

Safety Data Sheet

acc. to OSHA HCS

Printing date 09/16/2022

Reviewed on 09/16/2022

1 Identification

- **Product identifier**
- **Trade name:** DDSA
- **Article number:** 13700, 13701
- **EC number:**
247-781-6
- **Application of the substance / the mixture** Laboratory chemicals
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
Electron Microscopy Sciences
1560 Industry Road
USA-Hatfield, PA 19440
Tel: 215-412-8400 Fax: 215-412-8450
email: info@emsdiasum.com
www.emsdiasum.com
- **Information department:** Product safety department
- **Emergency telephone number:**
ChemTrec 1-800-424-9300 Contract CCN7661
1-703-527-3887

2 Hazard(s) identification

- **Classification of the substance or mixture**



GHS07

Eye Irritation 2A H319 Causes serious eye irritation.
Sensitization - Skin 1 H317 May cause an allergic skin reaction.

- **Label elements**
- **GHS label elements** The substance is classified and labeled according to the Globally Harmonized System (GHS).
- **Hazard pictograms**



GHS07

- **Signal word** Warning
- **Hazard statements**
Causes serious eye irritation.
May cause an allergic skin reaction.
- **Precautionary statements**
Avoid breathing dust/fume/gas/mist/vapors/spray
Wash thoroughly after handling.
Contaminated work clothing must not be allowed out of the workplace.
Wear protective gloves / eye protection / face protection.
If on skin: Wash with plenty of water.
If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.
Continue rinsing.
If skin irritation or rash occurs: Get medical advice/attention.
Specific treatment (see on this label).
If eye irritation persists: Get medical advice/attention.

(Contd. on page 2)

Safety Data Sheet

acc. to OSHA HCS

Printing date 09/16/2022

Reviewed on 09/16/2022

Trade name: **DDSA**

(Contd. of page 1)

Wash contaminated clothing before reuse.

Dispose of contents/container in accordance with local/regional/national/international regulations.

· **Classification system:**

· **NFPA ratings (scale 0 - 4)**



· **HMIS-ratings (scale 0 - 4)**



· **Other hazards**

· **Results of PBT and vPvB assessment**

· **PBT:** Not applicable.

· **vPvB:** Not applicable.

3 Composition/information on ingredients

· **Chemical characterization: Substances**

· **CAS No. Description**

DDSA

· **Identification number(s)**

· **EC number:** 247-781-6

4 First-aid measures

· **Description of first aid measures**

· **After inhalation:**

Supply fresh air and to be sure call for a doctor.

In case of unconsciousness place patient stably in side position for transportation.

· **After skin contact:** Immediately wash with water and soap and rinse thoroughly.

· **After eye contact:**

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

· **After swallowing:** If symptoms persist consult doctor.

· **Information for doctor:**

· **Most important symptoms and effects, both acute and delayed** No further relevant information available.

· **Indication of any immediate medical attention and special treatment needed**

No further relevant information available.

5 Fire-fighting measures

· **Extinguishing media**

· **Suitable extinguishing agents:** Use fire fighting measures that suit the environment.

· **Special hazards arising from the substance or mixture** No further relevant information available.

· **Advice for firefighters**

· **Protective equipment:** No special measures required.

US

(Contd. on page 3)

Safety Data Sheet

acc. to OSHA HCS

Printing date 09/16/2022

Reviewed on 09/16/2022

Trade name: DDSA

(Contd. of page 2)

6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures** Not required.
- **Environmental precautions:**
Inform respective authorities in case of seepage into water course or sewage system.
Do not allow to enter sewers/ surface or ground water.
- **Methods and material for containment and cleaning up:**
Dispose of the collected material according to regulations.
- **Reference to other sections**
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.
- **Protective Action Criteria for Chemicals**
 - PAC-1: 7.7 mg/m³
 - PAC-2: 84 mg/m³
 - PAC-3: 510 mg/m³

7 Handling and storage

- **Handling:**
- **Precautions for safe handling** Open and handle receptacle with care.
- **Information about protection against explosions and fires:** Keep respiratory protective device available.
- **Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** No special requirements.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** Keep receptacle tightly sealed.
- **Specific end use(s)** No further relevant information available.

8 Exposure controls/personal protection

- **Additional information about design of technical systems:** No further data; see item 7.
- **Control parameters**
- **Components with limit values that require monitoring at the workplace:** Not required.
- **Additional information:** The lists that were valid during the creation were used as basis.
- **Exposure controls**
- **Personal protective equipment:**
- **General protective and hygienic measures:**
Keep away from foodstuffs, beverages and feed.
Wash hands before breaks and at the end of work.
Store protective clothing separately.
Avoid contact with the eyes.
Avoid contact with the eyes and skin.
- **Breathing equipment:** Not required.
- **Protection of hands:**



Protective gloves

(Contd. on page 4)

Safety Data Sheet

acc. to OSHA HCS

Printing date 09/16/2022

Reviewed on 09/16/2022

Trade name: **DDSA**

(Contd. of page 3)

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

- **Material of gloves**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.

- **Penetration time of glove material**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

- **Eye protection:**



Tightly sealed goggles

9 Physical and chemical properties

- **Information on basic physical and chemical properties**

- **General Information**

- **Appearance:**

Form:	Viscous
Color:	Yellowish
Odor:	Characteristic
Odor threshold:	Not determined.

- **pH-value:** Not determined.

- **Change in condition**

Melting point/Melting range:	-20 °C (-4 °F)
Boiling point/Boiling range:	150 °C (302 °F)

- **Flash point:** 113 °C (235.4 °F)

- **Flammability (solid, gaseous):** Not flammable.

- **Decomposition temperature:** Not determined.

- **Auto igniting:** Not determined.

- **Danger of explosion:** Product does not present an explosion hazard.

- **Explosion limits:**

Lower:	Not determined.
Upper:	Not determined.

- **Vapor pressure at 20 °C (68 °F):** 0.765 hPa (0.6 mm Hg)

- **Density at 20 °C (68 °F):** 1.005 g/cm³ (8.38673 lbs/gal)

- **Relative density** Not determined.

- **Vapor density** Not determined.

- **Evaporation rate** Not applicable.

- **Solubility in / Miscibility with**

Water at 25 °C (77 °F): 0.01 g/l

- **Partition coefficient (n-octanol/water):** Not determined.

(Contd. on page 5)

Safety Data Sheet

acc. to OSHA HCS

Printing date 09/16/2022

Reviewed on 09/16/2022

Trade name: DDSA

(Contd. of page 4)

- | | |
|----------------------------|--|
| · Viscosity: | |
| Dynamic: | Not determined. |
| Kinematic: | Not determined. |
| · Other information | No further relevant information available. |

10 Stability and reactivity

- **Reactivity** No further relevant information available.
- **Chemical stability**
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Possibility of hazardous reactions** No dangerous reactions known.
- **Conditions to avoid** No further relevant information available.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:** No dangerous decomposition products known.

11 Toxicological information

- **Information on toxicological effects**
- **Acute toxicity:**
- **Primary irritant effect:**
- **on the skin:** No irritant effect.
- **on the eye:** Irritating effect.
- **Sensitization:** Sensitization possible through skin contact.
- **Additional toxicological information:**
- **Carcinogenic categories**
- **IARC (International Agency for Research on Cancer)** Substance is not listed.
- **NTP (National Toxicology Program)** Substance is not listed.
- **OSHA-Ca (Occupational Safety Health Administration)** Substance is not listed.

12 Ecological information

- **Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **Persistence and degradability** No further relevant information available.
- **Behavior in environmental systems:**
- **Bioaccumulative potential** No further relevant information available.
- **Mobility in soil** No further relevant information available.
- **Additional ecological information:**
- **General notes:**
- Water hazard class 1 (Assessment by list): slightly hazardous for water
- Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **Other adverse effects** No further relevant information available.

US

(Contd. on page 6)

Safety Data Sheet

acc. to OSHA HCS

Printing date 09/16/2022

Reviewed on 09/16/2022

Trade name: DDSA

(Contd. of page 5)

13 Disposal considerations

- **Waste treatment methods**
- **Recommendation:**
Must not be disposed of together with household garbage. Do not allow product to reach sewage system.
- **Uncleaned packagings:**
- **Recommendation:** Disposal must be made according to official regulations.

14 Transport information

· UN-Number · DOT, ADR, IMDG, IATA	Void
· UN proper shipping name · DOT, ADR, IMDG, IATA	Void
· Transport hazard class(es) · DOT, ADR, ADN, IMDG, IATA · Class	Void
· Packing group · DOT, ADR, IMDG, IATA	Void
· Environmental hazards:	Not applicable.
· Special precautions for user	Not applicable.
· Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	Not applicable.
· UN "Model Regulation":	Void

15 Regulatory information

- **Safety, health and environmental regulations/legislation specific for the substance or mixture**
No further relevant information available.
- **Sara**
- **Section 355 (extremely hazardous substances):** Substance is not listed.
- **Section 313 (Specific toxic chemical listings):** Substance is not listed.
- **TSCA (Toxic Substances Control Act):** ACTIVE
- **Hazardous Air Pollutants** Substance is not listed.
- **Proposition 65**
- **Chemicals known to cause cancer:** Substance is not listed.
- **Chemicals known to cause reproductive toxicity for females:** Substance is not listed.
- **Chemicals known to cause reproductive toxicity for males:** Substance is not listed.
- **Chemicals known to cause developmental toxicity:** Substance is not listed.
- **Carcinogenic categories**
- **EPA (Environmental Protection Agency)** Substance is not listed.
- **TLV (Threshold Limit Value)** Substance is not listed.
- **NIOSH-Ca (National Institute for Occupational Safety and Health)** Substance is not listed.
- **GHS label elements** The substance is classified and labeled according to the Globally Harmonized System (GHS).

(Contd. on page 7)

Safety Data Sheet

acc. to OSHA HCS

Printing date 09/16/2022

Reviewed on 09/16/2022

Trade name: **DDSA**

(Contd. of page 6)

· **Hazard pictograms**

GHS07

· **Signal word** Warning· **Hazard statements***Causes serious eye irritation.**May cause an allergic skin reaction.*· **Precautionary statements***Avoid breathing dust/fume/gas/mist/vapors/spray**Wash thoroughly after handling.**Contaminated work clothing must not be allowed out of the workplace.**Wear protective gloves / eye protection / face protection.**If on skin: Wash with plenty of water.**If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.**Continue rinsing.**If skin irritation or rash occurs: Get medical advice/attention.**Specific treatment (see on this label).**If eye irritation persists: Get medical advice/attention.**Wash contaminated clothing before reuse.**Dispose of contents/container in accordance with local/regional/national/international regulations.*· **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· **Contact:**· **Date of preparation / last revision** 09/16/2022 / -· **Abbreviations and acronyms:**

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

EINECS: European Inventory of Existing Commercial Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

NFPA: National Fire Protection Association (USA)

HMIS: Hazardous Materials Identification System (USA)

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

NIOSH: National Institute for Occupational Safety

*OSHA: Occupational Safety **Health***

TLV: Threshold Limit Value

PEL: Permissible Exposure Limit

REL: Recommended Exposure Limit

Eye Irritation 2A: Serious eye damage/eye irritation – Category 2A

Sensitization - Skin 1: Skin sensitisation – Category 1

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according to WHS Regulations

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1 Identification

- **Product identifier**
- **Trade name:** DDSA
- **Article number:** 13700, 13701
- **EC number:**
247-781-6
- **Relevant identified uses of the substance or mixture and uses advised against**
No further relevant information available.
- **Application of the substance / the mixture** Laboratory chemicals
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
Electron Microscopy Sciences
1560 Industry Road
USA-Hatfield, PA 19440
Tel: 215-412-8400 Fax: 215-412-8450
email: info@emsdiasum.com
www.emsdiasum.com
- ProSciTech Pty Ltd
11 Carlton Street, Kirwan QLD 4817 Australia
Telephone Number: (07) 4773 9444 - 8:30am - 5:00pm, Monday to Friday (excluding Public Holidays)
Emergency Contact: (07) 4773 9444 - 8:30am - 5:00pm, Monday to Friday (excluding Public Holidays)
Website: ems.proscitech.com
- Emgrid Australia Pty. Ltd.
P.O. Box 118
The Patch VIC 3792
Australia
Tel: 03 9752 1785
Fax: 03 9752 1784
Website: www.emgrid.com.au
- **Further information obtainable from:** Product safety department
- **Emergency telephone number:**
ChemTrec 1-800-424-9300 Contract CCN7661
1-703-527-3887

2 Hazard(s) Identification

- **Classification of the substance or mixture**



GHS07

Eye Irritation 2A H319 Causes serious eye irritation.
Skin Sens. 1 H317 May cause an allergic skin reaction.

- **Label elements**
- **GHS label elements**

The substance is classified and labelled according to the Globally Harmonised System (GHS).

(Contd. on page 2)

Safety Data Sheet

according to WHS Regulations

Printing date 16.09.2022

Revision: 16.09.2022

Trade name: DDSA

(Contd. of page 1)

- **Hazard pictograms**



GHS07

- **Signal word** Warning

- **Hazard statements**

Causes serious eye irritation.

May cause an allergic skin reaction.

- **Precautionary statements**

Avoid breathing dust/fume/gas/mist/vapours/spray.

Wash thoroughly after handling.

Contaminated work clothing should not be allowed out of the workplace.

Wear protective gloves / eye protection / face protection.

IF ON SKIN: Wash with plenty of water.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.

Continue rinsing.

If skin irritation or rash occurs: Get medical advice/attention.

Specific treatment (see on this label).

If eye irritation persists: Get medical advice/attention.

Wash contaminated clothing before reuse.

Dispose of contents/container in accordance with local/regional/national/international regulations.

- **Other hazards**

- **Results of PBT and vPvB assessment**

- **PBT:** Not applicable.

- **vPvB:** Not applicable.

3 Composition and Information on Ingredients

- **Chemical characterisation: Substances**

- **CAS No. Description**

DDSA

- **Identification number(s)**

- **EC number:** 247-781-6

4 First Aid Measures

- **Description of first aid measures**

- **After inhalation:**

Supply fresh air and to be sure call for a doctor.

In case of unconsciousness place patient stably in side position for transportation.

- **After skin contact:** Immediately wash with water and soap and rinse thoroughly.

- **After eye contact:**

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

- **After swallowing:** If symptoms persist consult doctor.

- **Information for doctor:**

- **Most important symptoms and effects, both acute and delayed** No further relevant information available.

(Contd. on page 3)

Safety Data Sheet

according to WHS Regulations

Printing date 16.09.2022

Revision: 16.09.2022

Trade name: DDSA

(Contd. of page 2)

- **Indication of any immediate medical attention and special treatment needed**
No further relevant information available.

5 Fire Fighting Measures

- **Extinguishing media**
- **Suitable extinguishing agents:** Use fire extinguishing methods suitable to surrounding conditions.
- **Special hazards arising from the substance or mixture** No further relevant information available.
- **Advice for firefighters**
- **Protective equipment:** No special measures required.

6 Accidental Release Measures

- **Personal precautions, protective equipment and emergency procedures** Not required.
- **Environmental precautions:**
Inform respective authorities in case of seepage into water course or sewage system.
Do not allow to enter sewers/ surface or ground water.
- **Methods and material for containment and cleaning up:**
Dispose of the material collected according to regulations.
- **Reference to other sections**
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

7 Handling and Storage

- **Handling:**
- **Precautions for safe handling** Open and handle receptacle with care.
- **Information about fire - and explosion protection:** Keep respiratory protective device available.
- **Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** No special requirements.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** Keep container tightly sealed.
- **Specific end use(s)** No further relevant information available.

8 Exposure controls and personal protection

- **Additional information about design of technical facilities:** No further data; see item 7.
- **Control parameters**
- **Ingredients with limit values that require monitoring at the workplace:** Not required.
- **Additional information:** The lists valid during the making were used as basis.
- **Exposure controls**
- **Personal protective equipment:**
- **General protective and hygienic measures:**
Keep away from foodstuffs, beverages and feed.
Wash hands before breaks and at the end of work.
Store protective clothing separately.
Avoid contact with the eyes.

(Contd. on page 4)

Safety Data Sheet according to WHS Regulations

Printing date 16.09.2022

Revision: 16.09.2022

Trade name: DDSA

(Contd. of page 3)

- Avoid contact with the eyes and skin.
- **Respiratory protection:** Not required.
- **Protection of hands:**



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

- **Material of gloves**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.

- **Penetration time of glove material**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

- **Eye protection:**



Tightly sealed goggles

9 Physical and Chemical Properties

- **Information on basic physical and chemical properties**

- **General Information**

- **Appearance:**

Form:	Viscous
Colour:	Yellowish
Odour:	Characteristic
Odour threshold:	Not determined.

- **pH-value:** Not determined.

- **Change in condition**

Melting point/freezing point:	-20 °C
Initial boiling point and boiling range:	150 °C

- **Flash point:** 113 °C

- **Flammability (solid, gas):** Not applicable.

- **Decomposition temperature:** Not determined.

- **Auto-ignition temperature:** Not determined.

- **Explosive properties:** Product does not present an explosion hazard.

- **Explosion limits:**

Lower:	Not determined.
Upper:	Not determined.

- **Vapour pressure at 20 °C:** 0.765 hPa

- **Density at 20 °C:** 1.005 g/cm³

(Contd. on page 5)

Safety Data Sheet according to WHS Regulations

Printing date 16.09.2022

Revision: 16.09.2022

Trade name: DDSA

(Contd. of page 4)

· Relative density	Not determined.
· Vapour density	Not determined.
· Evaporation rate	Not applicable.
· Solubility in / Miscibility with water at 25 °C:	0.01 g/l
· Partition coefficient: n-octanol/water:	Not determined.
· Viscosity:	
Dynamic:	Not determined.
Kinematic:	Not determined.
· Other information	No further relevant information available.

10 Stability and Reactivity

- **Reactivity** No further relevant information available.
- **Chemical stability**
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Possibility of hazardous reactions** No dangerous reactions known.
- **Conditions to avoid** No further relevant information available.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:** No dangerous decomposition products known.

11 Toxicological Information

- **Information on toxicological effects**
- **Acute toxicity**
- **Primary irritant effect:**
- **Skin corrosion/irritation** No irritant effect.
- **Serious eye damage/irritation** Irritating effect.
- **Respiratory or skin sensitisation** Sensitisation possible through skin contact.

12 Ecological Information

- **Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **Persistence and degradability** No further relevant information available.
- **Behaviour in environmental systems:**
- **Bioaccumulative potential** No further relevant information available.
- **Mobility in soil** No further relevant information available.
- **Additional ecological information:**
- **General notes:**
Water hazard class 1 (German Regulation) (Assessment by list): slightly hazardous for water
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **Other adverse effects** No further relevant information available.

AU
(Contd. on page 6)

Safety Data Sheet according to WHS Regulations

Printing date 16.09.2022

Revision: 16.09.2022

Trade name: DDSA

(Contd. of page 5)

13 Disposal considerations

- **Waste treatment methods**
- **Recommendation**
Must not be disposed together with household garbage. Do not allow product to reach sewage system.
- **Uncleaned packaging:**
- **Recommendation:** Disposal must be made according to official regulations.

14 Transport information

· UN-Number	
· ADG, IMDG, IATA	not regulated
· UN proper shipping name	
· ADG, IMDG, IATA	not regulated
· Transport hazard class(es)	
· ADG, ADN, IMDG, IATA	
· Class	not regulated
· Packing group	
· ADG, IMDG, IATA	not regulated
· Environmental hazards:	Not applicable.
· Special precautions for user	Not applicable.
· Transport in bulk according to Annex II of Marpol and the IBC Code	Not applicable.
· UN "Model Regulation":	not regulated

15 Regulatory information

- **Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **Australian Inventory of Industrial Chemicals** Substance is listed.
- **Standard for the Uniform Scheduling of Medicines and Poisons** Substance is not listed.
- **Australia: Priority Existing Chemicals** Substance is not listed.
- **GHS label elements**
The substance is classified and labelled according to the Globally Harmonised System (GHS).
- **Hazard pictograms**



GHS07

- **Signal word** Warning
- **Hazard statements**
Causes serious eye irritation.
May cause an allergic skin reaction.
- **Precautionary statements**
Avoid breathing dust/fume/gas/mist/vapours/spray.

(Contd. on page 7)

Safety Data Sheet according to WHS Regulations

Printing date 16.09.2022

Revision: 16.09.2022

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(Contd. of page 6)

*Wash thoroughly after handling.**Contaminated work clothing should not be allowed out of the workplace.**Wear protective gloves / eye protection / face protection.**IF ON SKIN: Wash with plenty of water.**IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.**If skin irritation or rash occurs: Get medical advice/attention.**Specific treatment (see on this label).**If eye irritation persists: Get medical advice/attention.**Wash contaminated clothing before reuse.**Dispose of contents/container in accordance with local/regional/national/international regulations.*

- **Directive 2012/18/EU**
- **Named dangerous substances - ANNEX I** Substance is not listed.
- **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- **Contact:**

- **Abbreviations and acronyms:**

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

EINECS: European Inventory of Existing Commercial Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

Eye Irritation 2A: Serious eye damage/eye irritation – Category 2A

Skin Sens. 1: Skin sensitisation – Category 1

Safety Data Sheet

according to HPR, Schedule 1

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1 Identification

- **Product identifier**
- **Trade name:** DDSA
- **Article number:** 13700, 13701
- **EC number:**
247-781-6
- **Application of the substance / the mixture** Laboratory chemicals
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
Electron Microscopy Sciences
1560 Industry Road
USA-Hatfield, PA 19440
Tel: 215-412-8400 Fax: 215-412-8450
email: info@emsdiasum.com
www.emsdiasum.com
- **Information department:** Product safety department
- **Emergency telephone number:**
ChemTrec 1-800-424-9300 Contract CCN7661
1-703-527-3887

2 Hazard identification

- **Classification of the substance or mixture**



GHS07

Eye Irritation - Category 2A H319 Causes serious eye irritation.

Skin Sensitizer - Category 1 H317 May cause an allergic skin reaction.

- **Label elements**
- **GHS label elements** The substance is classified and labeled according to the Globally Harmonized System (GHS).
- **Hazard pictograms**



GHS07

- **Signal word** Warning
- **Hazard statements**
Causes serious eye irritation.
May cause an allergic skin reaction.
- **Precautionary statements**
Avoid breathing dust/fume/gas/mist/vapours/spray.
Wash thoroughly after handling.
Contaminated work clothing should not be allowed out of the workplace.
Wear protective gloves/protective clothing/eye protection/face protection.
If on skin: Wash with plenty of water.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.
Continue rinsing.
Take off contaminated clothing and wash it before reuse.
If skin irritation or rash occurs: Get medical advice/attention.
Specific treatment (see on this label).

(Contd. on page 2)

Safety Data Sheet

according to HPR, Schedule 1

Printing date 09/16/2022

Reviewed on 09/16/2022

Trade name: DDSA

(Contd. of page 1)

If eye irritation persists: Get medical advice/attention.

Dispose of contents/container in accordance with local/regional/national/international regulations.

· **Classification system:**

· **NFPA ratings (scale 0 - 4)**



· **HMIS-ratings (scale 0 - 4)**



3 Composition/Information on ingredients

- **Chemical characterization: Substances**
- **CAS No. Description**
DDSA
- **Identification number(s)**
- **EC number: 247-781-6**

4 First-aid measures

- **Description of first aid measures**
- **After inhalation:**
Supply fresh air and to be sure call for a doctor.
In case of unconsciousness place patient stably in side position for transportation.
- **After skin contact:** *Immediately wash with water and soap and rinse thoroughly.*
- **After eye contact:**
Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- **After swallowing:** *If symptoms persist consult doctor.*
- **Information for doctor:**
- **Most important symptoms and effects, both acute and delayed** *No further relevant information available.*
- **Indication of any immediate medical attention and special treatment needed**
No further relevant information available.

5 Fire-fighting measures

- **Extinguishing media**
- **Suitable extinguishing agents:** *Use fire fighting measures that suit the environment.*
- **Special hazards arising from the substance or mixture** *No further relevant information available.*
- **Advice for firefighters**
- **Protective equipment:** *No special measures required.*

6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures** *Not required.*

(Contd. on page 3)

Safety Data Sheet

according to HPR, Schedule 1

Printing date 09/16/2022

Reviewed on 09/16/2022

Trade name: DDSA

(Contd. of page 2)

- **Environmental precautions:**
Inform respective authorities in case of seepage into water course or sewage system.
Do not allow to enter sewers/ surface or ground water.
- **Methods and material for containment and cleaning up:**
Dispose of the collected material according to regulations.
- **Reference to other sections**
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

7 Handling and storage

- **Handling:**
- **Precautions for safe handling** Open and handle receptacle with care.
- **Information about protection against explosions and fires:** Keep respiratory protective device available.
- **Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** No special requirements.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** Keep receptacle tightly sealed.
- **Specific end use(s)** No further relevant information available.

8 Exposure controls/ Personal protection

- **Additional information about design of technical systems:** No further data; see item 7.
- **Control parameters**
- **Components with limit values that require monitoring at the workplace:** Not required.
- **Additional information:** The lists that were valid during the creation were used as basis.
- **Exposure controls**
- **Personal protective equipment:**
- **General protective and hygienic measures:**
Keep away from foodstuffs, beverages and feed.
Wash hands before breaks and at the end of work.
Store protective clothing separately.
Avoid contact with the eyes.
Avoid contact with the eyes and skin.
- **Breathing equipment:** Not required.
- **Protection of hands:**



Protective gloves

- The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation
- **Material of gloves**
The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.

(Contd. on page 4)

Safety Data Sheet

according to HPR, Schedule 1

Printing date 09/16/2022

Reviewed on 09/16/2022

Trade name: **DDSA**

(Contd. of page 3)

- **Penetration time of glove material**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

- **Eye protection:**



Tightly sealed goggles

9 Physical and chemical properties

- **Information on basic physical and chemical properties**

- **General Information**

- **Appearance:**

Form:	Viscous
Color:	Yellowish
Odor:	Characteristic
Odor threshold:	Not determined.

- **pH-value:** Not determined.

- **Change in condition**

Melting point/Melting range:	-20 °C
Boiling point/Boiling range:	150 °C

- **Flash point:** 113 °C

- **Flammability (solid, gaseous):** Not flammable.

- **Decomposition temperature:** Not determined.

- **Auto igniting:** Not determined.

- **Danger of explosion:** Product does not present an explosion hazard.

- **Explosion limits:**

Lower:	Not determined.
Upper:	Not determined.

- **Vapor pressure at 20 °C:** 0.765 hPa

Density at 20 °C:	1.005 g/cm ³
Relative density	Not determined.
Vapor density	Not determined.
Evaporation rate	Not applicable.

- **Solubility in / Miscibility with**

Water at 25 °C: 0.01 g/l

- **Partition coefficient (n-octanol/water):** Not determined.

- **Viscosity:**

Dynamic:	Not determined.
Kinematic:	Not determined.

- **Other information** No further relevant information available.

CA

(Contd. on page 5)

Safety Data Sheet

according to HPR, Schedule 1

Printing date 09/16/2022

Reviewed on 09/16/2022

Trade name: DDSA

(Contd. of page 4)

10 Stability and reactivity

- **Reactivity** No further relevant information available.
- **Chemical stability**
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Possibility of hazardous reactions** No dangerous reactions known.
- **Conditions to avoid** No further relevant information available.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:** No dangerous decomposition products known.

11 Toxicological information

- **Information on toxicological effects**
- **Acute toxicity:**
- **Primary irritant effect:**
- **on the skin:** No irritant effect.
- **on the eye:** Irritating effect.
- **Sensitization:** Sensitization possible through skin contact.
- **Additional toxicological information:**
- **Carcinogenic categories**
- **IARC (International Agency for Research on Cancer)** Substance is not listed.
- **NTP (National Toxicology Program)** Substance is not listed.

12 Ecological information

- **Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **Persistence and degradability** No further relevant information available.
- **Behavior in environmental systems:**
- **Bioaccumulative potential** No further relevant information available.
- **Mobility in soil** No further relevant information available.
- **Additional ecological information:**
- **General notes:**
- Water hazard class 1 (Assessment by list): slightly hazardous for water
- Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **Other adverse effects** No further relevant information available.

13 Disposal considerations

- **Waste treatment methods**
- **Recommendation:**
- Must not be disposed of together with household garbage. Do not allow product to reach sewage system.
- **Uncleaned packagings:**
- **Recommendation:** Disposal must be made according to official regulations.

CA

(Contd. on page 6)

Safety Data Sheet

according to HPR, Schedule 1

Printing date 09/16/2022

Reviewed on 09/16/2022

Trade name: DDSA

(Contd. of page 5)

14 Transport information

· UN-Number	
· DOT/TDG, ADR, IMDG, IATA	Void
· UN proper shipping name	
· DOT/TDG, ADR, IMDG, IATA	Void
· Transport hazard class(es)	
· DOT, ADR, ADN, IMDG, IATA	
· Class	Void
· Packing group	
· DOT/TDG, ADR, IMDG, IATA	Void
· Environmental hazards:	Not applicable.
· Special precautions for user	Not applicable.
· Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	Not applicable.
· UN "Model Regulation":	Void

15 Regulatory information

- **Safety, health and environmental regulations/legislation specific for the substance or mixture**
No further relevant information available.
- **Sara**
- **Section 355 (extremely hazardous substances):** Substance is not listed.
- **Section 313 (Specific toxic chemical listings):** Substance is not listed.
- **TSCA (Toxic Substances Control Act):** ACTIVE
- **Canadian substance listings:**
- **Canadian Domestic Substances List (DSL)** Substance is not listed.
- **Canadian Non-Domestic Substances List (NDSL)** Substance is not listed.
- **Canadian Ingredient Disclosure list (limit 0.1%)** Substance is not listed.
- **Canadian Ingredient Disclosure list (limit 1%)** Substance is not listed.
- **GHS label elements** The substance is classified and labeled according to the Globally Harmonized System (GHS).
- **Hazard pictograms**



GHS07

- **Signal word** Warning
- **Hazard statements**
Causes serious eye irritation.
May cause an allergic skin reaction.
- **Precautionary statements**
Avoid breathing dust/fume/gas/mist/vapours/spray.
Wash thoroughly after handling.
Contaminated work clothing should not be allowed out of the workplace.
Wear protective gloves/protective clothing/eye protection/face protection.
If on skin: Wash with plenty of water.

(Contd. on page 7)

CA

Safety Data Sheet

according to HPR, Schedule 1

Printing date 09/16/2022

Reviewed on 09/16/2022

Trade name: DDSA

(Contd. of page 6)

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.

Continue rinsing.

Take off contaminated clothing and wash it before reuse.

If skin irritation or rash occurs: Get medical advice/attention.

Specific treatment (see on this label).

If eye irritation persists: Get medical advice/attention.

Dispose of contents/container in accordance with local/regional/national/international regulations.

· **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· **Contact:**

· **Date of the latest revision of the safety data sheet** 09/16/2022 / -

· **Abbreviations and acronyms:**

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

EINECS: European Inventory of Existing Commercial Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

NFPA: National Fire Protection Association (USA)

HMIS: Hazardous Materials Identification System (USA)

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 16.09.2022

Revision: 16.09.2022

1 Identification of the substance/mixture and of the company/undertaking

- **Product identifier**
- **Trade name:** DDSA
- **Article number:** 13700, 13701
- **EC number:**
247-781-6
- **Relevant identified uses of the substance or mixture and uses advised against**
No further relevant information available.
- **Application of the substance / the mixture** Laboratory chemicals
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
Electron Microscopy Sciences
1560 Industry Road
USA-Hatfield, PA 19440
Tel: 215-412-8400 Fax: 215-412-8450
email: info@emsdiasum.com
www.emsdiasum.com
- **Further information obtainable from:** Product safety department
- **Emergency telephone number:**
ChemTrec 1-800-424-9300 Contract CCN7661
1-703-527-3887

2 Hazards identification

- **Classification of the substance or mixture**



Eye Irritation 2A H319 Causes serious eye irritation.

Skin Sens. 1 H317 May cause an allergic skin reaction.

Aquatic Chronic 4 H413 May cause long lasting harmful effects to aquatic life.

- **Label elements**
- **GHS label elements**
The substance is classified and labelled according to the Globally Harmonised System (GHS).
- **Hazard pictograms**



GHS07

- **Signal word** Warning
- **Hazard statements**
Causes serious eye irritation.
May cause an allergic skin reaction.
May cause long lasting harmful effects to aquatic life.
- **Precautionary statements**
Avoid breathing dust/fume/gas/mist/vapours/spray.
Avoid release to the environment.
Wear protective gloves / eye protection / face protection.

(Contd. on page 2)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 16.09.2022

Revision: 16.09.2022

Trade name: DDSA

(Contd. of page 1)

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.

Continue rinsing.

If skin irritation or rash occurs: Get medical advice/attention.

Dispose of contents/container in accordance with local/regional/national/international regulations.

- **Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

3 Composition/information on ingredients

- **Chemical characterisation: Substances**
- **CAS No. Description**
DDSA
- **Identification number(s)**
- **EC number:** 247-781-6

4 First aid measures

- **Description of first aid measures**
- **After inhalation:**
Supply fresh air and to be sure call for a doctor.
In case of unconsciousness place patient stably in side position for transportation.
- **After skin contact:** *Immediately wash with water and soap and rinse thoroughly.*
- **After eye contact:**
Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- **After swallowing:** *If symptoms persist consult doctor.*
- **Information for doctor:**
- **Most important symptoms and effects, both acute and delayed** *No further relevant information available.*
- **Indication of any immediate medical attention and special treatment needed**
No further relevant information available.

5 Firefighting measures

- **Extinguishing media**
- **Suitable extinguishing agents:** *Use fire extinguishing methods suitable to surrounding conditions.*
- **Special hazards arising from the substance or mixture** *No further relevant information available.*
- **Advice for firefighters**
- **Protective equipment:** *No special measures required.*

6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures** *Not required.*
- **Environmental precautions:**
Inform respective authorities in case of seepage into water course or sewage system.
Do not allow to enter sewers/ surface or ground water.
- **Methods and material for containment and cleaning up:**
Dispose of the material collected according to regulations.
- **Reference to other sections**
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.

(Contd. on page 3)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 16.09.2022

Revision: 16.09.2022

Trade name: **DDSA**

(Contd. of page 2)

See Section 13 for disposal information.

7 Handling and storage

- **Handling:**
- **Precautions for safe handling** Open and handle receptacle with care.
- **Information about fire - and explosion protection:** Keep respiratory protective device available.
- **Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** No special requirements.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** Keep container tightly sealed.
- **Specific end use(s)** No further relevant information available.

8 Exposure controls/personal protection

- **Additional information about design of technical facilities:** No further data; see item 7.
- **Control parameters**
- **Ingredients with limit values that require monitoring at the workplace:** Not required.
- **Additional information:** The lists valid during the making were used as basis.
- **Exposure controls**
- **Personal protective equipment:**
- **General protective and hygienic measures:**
Keep away from foodstuffs, beverages and feed.
Wash hands before breaks and at the end of work.
Store protective clothing separately.
Avoid contact with the eyes.
Avoid contact with the eyes and skin.
- **Respiratory protection:** Not required.
- **Protection of hands:**



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

- **Material of gloves**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.

- **Penetration time of glove material**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

(Contd. on page 4)

Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 16.09.2022

Revision: 16.09.2022

Trade name: DDSA

(Contd. of page 3)

· Eye protection:



Tightly sealed goggles

9 Physical and chemical properties

· Information on basic physical and chemical properties

· General Information

· Appearance:

Form:	Viscous
Colour:	Yellowish
Odour:	Characteristic
Odour threshold:	Not determined.

· pH-value: Not determined.

· Change in condition

Melting point/freezing point:	-20 °C
Initial boiling point and boiling range:	150 °C

· Flash point: 113 °C

· Flammability (solid, gas): Not applicable.

· Decomposition temperature: Not determined.

· Auto-ignition temperature: Not determined.

· Explosive properties: Product does not present an explosion hazard.

· Explosion limits:

Lower:	Not determined.
Upper:	Not determined.

· Vapour pressure at 20 °C: 0.765 hPa

Density at 20 °C:	1.005 g/cm ³
Relative density	Not determined.
Vapour density	Not determined.
Evaporation rate	Not applicable.

· Solubility in / Miscibility with water at 25 °C: 0.01 g/l

· Partition coefficient: n-octanol/water: Not determined.

· Viscosity:

Dynamic:	Not determined.
Kinematic:	Not determined.

· Other information: No further relevant information available.

10 Stability and reactivity

· Reactivity: No further relevant information available.

(Contd. on page 5)

Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 16.09.2022

Revision: 16.09.2022

Trade name: DDSA

(Contd. of page 4)

- **Chemical stability**
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Possibility of hazardous reactions** No dangerous reactions known.
- **Conditions to avoid** No further relevant information available.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:** No dangerous decomposition products known.

11 Toxicological information

- **Information on toxicological effects**
- **Acute toxicity**
- **Primary irritant effect:**
- **Skin corrosion/irritation** No irritant effect.
- **Serious eye damage/irritation** Irritating effect.
- **Respiratory or skin sensitisation** Sensitisation possible through skin contact.

12 Ecological information

- **Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **Persistence and degradability** No further relevant information available.
- **Behaviour in environmental systems:**
- **Bioaccumulative potential** No further relevant information available.
- **Mobility in soil** No further relevant information available.
- **Additional ecological information:**
- **General notes:**
Water hazard class 1 (German Regulation) (Assessment by list): slightly hazardous for water
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **Other adverse effects** No further relevant information available.

13 Disposal considerations

- **Waste treatment methods**
- **Recommendation**
Must not be disposed together with household garbage. Do not allow product to reach sewage system.
- **Uncleaned packaging:**
- **Recommendation:** Disposal must be made according to official regulations.

14 Transport information

- | | |
|----------------------------------|---------------|
| · UN-Number | |
| · ADR, IMDG, IATA | not regulated |
| · UN proper shipping name | |
| · ADR, IMDG, IATA | not regulated |

(Contd. on page 6)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 16.09.2022

Revision: 16.09.2022

Trade name: DDSA

(Contd. of page 5)

· Transport hazard class(es)	
· ADR, ADN, IMDG, IATA	
· Class	not regulated
· Packing group	
· ADR, IMDG, IATA	not regulated
· Environmental hazards:	Not applicable.
· Special precautions for user	Not applicable.
· Transport in bulk according to Annex II of Marpol and the IBC Code	Not applicable.
· UN "Model Regulation":	not regulated

15 Regulatory information

- **Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **GHS label elements**
The substance is classified and labelled according to the Globally Harmonised System (GHS).
- **Hazard pictograms**



GHS07

- **Signal word** Warning
- **Hazard statements**
Causes serious eye irritation.
May cause an allergic skin reaction.
May cause long lasting harmful effects to aquatic life.
- **Precautionary statements**
Avoid breathing dust/fume/gas/mist/vapours/spray.
Avoid release to the environment.
Wear protective gloves / eye protection / face protection.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
If skin irritation or rash occurs: Get medical advice/attention.
Dispose of contents/container in accordance with local/regional/national/international regulations.
- **Directive 2012/18/EU**
- **Named dangerous substances - ANNEX I** Substance is not listed.
- **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- **Contact:**
- **Abbreviations and acronyms:**
ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)

(Contd. on page 7)

Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 16.09.2022

Revision: 16.09.2022

Trade name: DDSA

(Contd. of page 6)

*IMDG: International Maritime Code for Dangerous Goods**IATA: International Air Transport Association**EINECS: European Inventory of Existing Commercial Chemical Substances**CAS: Chemical Abstracts Service (division of the American Chemical Society)**PBT: Persistent, Bioaccumulative and Toxic**vPvB: very Persistent and very Bioaccumulative**Eye Irritation 2A: Serious eye damage/eye irritation – Category 2A**Skin Sens. 1: Skin sensitisation – Category 1**Aquatic Chronic 4: Hazardous to the aquatic environment - long-term aquatic hazard – Category 4*

IL

Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 16.09.2022

Revision: 16.09.2022

SECTION 1: Identification of the substance/mixture and of the company/undertaking

- **1.1 Product identifier**
- **Trade name:** DDSA
- **Article number:** 13700, 13701
- **EC number:**
247-781-6
- **1.2 Relevant identified uses of the substance or mixture and uses advised against**
No further relevant information available.
- **Application of the substance / the mixture** Laboratory chemicals
- **1.3 Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
Electron Microscopy Sciences
1560 Industry Road
USA-Hatfield, PA 19440
Tel: 215-412-8400 Fax: 215-412-8450
email: info@emsdiasum.com
www.emsdiasum.com
- **Further information obtainable from:** Product safety department
- **1.4 Emergency telephone number:**
ChemTrec 1-800-424-9300 Contract CCN7661
1-703-527-3887

SECTION 2: Hazards identification

- **2.1 Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**



Eye Irrit. 2 H319 Causes serious eye irritation.
 Skin Sens. 1 H317 May cause an allergic skin reaction.
 Aquatic Chronic 4 H413 May cause long lasting harmful effects to aquatic life.

- **2.2 Label elements**
- **Labelling according to Regulation (EC) No 1272/2008**
The substance is classified and labelled according to the GB CLP regulation.
- **Hazard pictograms**



GHS07

- **Signal word** Warning
- **Hazard statements**
H319 Causes serious eye irritation.
H317 May cause an allergic skin reaction.
H413 May cause long lasting harmful effects to aquatic life.
- **Precautionary statements**
P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
P273 Avoid release to the environment.

(Contd. on page 2)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 16.09.2022

Revision: 16.09.2022

Trade name: DDSA

(Contd. of page 1)

- P280 Wear protective gloves / eye protection / face protection.
 P305+P351+P338 **IF IN EYES:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P333+P313 If skin irritation or rash occurs: Get medical advice/attention.
 P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

- **2.3 Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

SECTION 3: Composition/information on ingredients

- **3.1 Chemical characterisation: Substances**
- **CAS No. Description**
 DDSA
- **Identification number(s)**
- **EC number:** 247-781-6

SECTION 4: First aid measures

- **4.1 Description of first aid measures**
- **After inhalation:**
 Supply fresh air and to be sure call for a doctor.
 In case of unconsciousness place patient stably in side position for transportation.
- **After skin contact:** Immediately wash with water and soap and rinse thoroughly.
- **After eye contact:**
 Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- **After swallowing:** If symptoms persist consult doctor.
- **4.2 Most important symptoms and effects, both acute and delayed** No further relevant information available.
- **4.3 Indication of any immediate medical attention and special treatment needed**
 No further relevant information available.

SECTION 5: Firefighting measures

- **5.1 Extinguishing media**
- **Suitable extinguishing agents:** Use fire extinguishing methods suitable to surrounding conditions.
- **5.2 Special hazards arising from the substance or mixture** No further relevant information available.
- **5.3 Advice for firefighters**
- **Protective equipment:** No special measures required.

SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures** Not required.
- **6.2 Environmental precautions:**
 Inform respective authorities in case of seepage into water course or sewage system.
 Do not allow to enter sewers/ surface or ground water.
- **6.3 Methods and material for containment and cleaning up:**
 Dispose of the material collected according to regulations.
- **6.4 Reference to other sections**
 See Section 7 for information on safe handling.

(Contd. on page 3)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 16.09.2022

Revision: 16.09.2022

Trade name: **DDSA**

(Contd. of page 2)

See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

SECTION 7: Handling and storage

- **7.1 Precautions for safe handling** Open and handle receptacle with care.
- **Information about fire - and explosion protection:** Keep respiratory protective device available.
- **7.2 Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** No special requirements.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** Keep container tightly sealed.
- **7.3 Specific end use(s)** No further relevant information available.

SECTION 8: Exposure controls/personal protection

- **8.1 Control parameters**
- **Additional information about design of technical facilities:** No further data; see item 7.
- **Ingredients with limit values that require monitoring at the workplace:** Not required.
- **Additional information:** The lists valid during the making were used as basis.
- **8.2 Exposure controls**
- **Personal protective equipment:**
- **General protective and hygienic measures:**
Keep away from foodstuffs, beverages and feed.
Wash hands before breaks and at the end of work.
Store protective clothing separately.
Avoid contact with the eyes.
Avoid contact with the eyes and skin.
- **Respiratory protection:** Not required.
- **Protection of hands:**



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

- **Material of gloves**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.

- **Penetration time of glove material**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

(Contd. on page 4)

GB

Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 16.09.2022

Revision: 16.09.2022

Trade name: DDSA

(Contd. of page 3)

· Eye protection:



Tightly sealed goggles

SECTION 9: Physical and chemical properties

· 9.1 Information on basic physical and chemical properties

· General Information

· Appearance:

Form:	Viscous
Colour:	Yellowish
Odour:	Characteristic
Odour threshold:	Not determined.

· pH-value: Not determined.

· Change in condition

Melting point/freezing point:	-20 °C
Initial boiling point and boiling range:	150 °C

· Flash point: 113 °C

· Flammability (solid, gas): Not applicable.

· Decomposition temperature: Not determined.

· Auto-ignition temperature: Not determined.

· Explosive properties: Product does not present an explosion hazard.

· Explosion limits:

Lower:	Not determined.
Upper:	Not determined.

· Vapour pressure at 20 °C: 0.765 hPa

Density at 20 °C:	1.005 g/cm ³
Relative density	Not determined.
Vapour density	Not determined.
Evaporation rate	Not applicable.

· Solubility in / Miscibility with water at 25 °C: 0.01 g/l

· Partition coefficient: n-octanol/water: Not determined.

· Viscosity:

Dynamic:	Not determined.
Kinematic:	Not determined.

· 9.2 Other information No further relevant information available.

SECTION 10: Stability and reactivity

· 10.1 Reactivity No further relevant information available.

(Contd. on page 5)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 16.09.2022

Revision: 16.09.2022

Trade name: DDSA

(Contd. of page 4)

- **10.2 Chemical stability**
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **10.3 Possibility of hazardous reactions** No dangerous reactions known.
- **10.4 Conditions to avoid** No further relevant information available.
- **10.5 Incompatible materials:** No further relevant information available.
- **10.6 Hazardous decomposition products:** No dangerous decomposition products known.

SECTION 11: Toxicological information

- **11.1 Information on toxicological effects**
- **Acute toxicity** Based on available data, the classification criteria are not met.
- **Primary irritant effect:**
- **Skin corrosion/irritation** Based on available data, the classification criteria are not met.
- **Serious eye damage/irritation**
Causes serious eye irritation.
- **Respiratory or skin sensitisation**
May cause an allergic skin reaction.
- **Additional toxicological information:**
- **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**
- **Germ cell mutagenicity** Based on available data, the classification criteria are not met.
- **Carcinogenicity** Based on available data, the classification criteria are not met.
- **Reproductive toxicity** Based on available data, the classification criteria are not met.
- **STOT-single exposure** Based on available data, the classification criteria are not met.
- **STOT-repeated exposure** Based on available data, the classification criteria are not met.
- **Aspiration hazard** Based on available data, the classification criteria are not met.

SECTION 12: Ecological information

- **12.1 Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **12.2 Persistence and degradability** No further relevant information available.
- **12.3 Bioaccumulative potential** No further relevant information available.
- **12.4 Mobility in soil** No further relevant information available.
- **Additional ecological information:**
- **General notes:**
Water hazard class 1 (German Regulation) (Assessment by list): slightly hazardous for water
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.
- **12.5 Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **12.6 Other adverse effects** No further relevant information available.

SECTION 13: Disposal considerations

- **13.1 Waste treatment methods**
- **Recommendation**
Must not be disposed together with household garbage. Do not allow product to reach sewage system.

(Contd. on page 6)

Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 16.09.2022

Revision: 16.09.2022

Trade name: DDSA

(Contd. of page 5)

- **Uncleaned packaging:**
- **Recommendation:** Disposal must be made according to official regulations.

SECTION 14: Transport information

- | | |
|---|-----------------|
| · 14.1 UN-Number
· ADR, IMDG, IATA | not regulated |
| · 14.2 UN proper shipping name
· ADR, IMDG, IATA | not regulated |
| · 14.3 Transport hazard class(es)
· ADR, ADN, IMDG, IATA
· Class | not regulated |
| · 14.4 Packing group
· ADR, IMDG, IATA | not regulated |
| · 14.5 Environmental hazards: | Not applicable. |
| · 14.6 Special precautions for user | Not applicable. |
| · 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code | Not applicable. |
| · UN "Model Regulation": | not regulated |

SECTION 15: Regulatory information

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **Directive 2012/18/EU**
- **Named dangerous substances - ANNEX I Substance is not listed.**
- **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- **Abbreviations and acronyms:**
 ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)
 IMDG: International Maritime Code for Dangerous Goods
 IATA: International Air Transport Association
 GHS: Globally Harmonised System of Classification and Labelling of Chemicals
 EINECS: European Inventory of Existing Commercial Chemical Substances
 CAS: Chemical Abstracts Service (division of the American Chemical Society)
 PBT: Persistent, Bioaccumulative and Toxic
 vPvB: very Persistent and very Bioaccumulative
 Eye Irrit. 2: Serious eye damage/eye irritation – Category 2
 Skin Sens. 1: Skin sensitisation – Category 1
 Aquatic Chronic 4: Hazardous to the aquatic environment - long-term aquatic hazard – Category 4

化学品安全技术说明书

据根根据据根T 16483-2008, GB/T 17519-2013

打印日期 2022.09.16

在 2022.09.16 审核

1 化学品及企业标识

- **产品识别者**
- **化学品中文名称/英文名称/化学品俗名或商品名:** DDSA
- **商品编号:** 13700, 13701
- **欧盟编号:**
247-781-6
- **相应纯物质或者混合物的相关下位用途及禁止用途** 无相关详细资料。
- **物质或混合物的用途** 实验室化学物
- **安全技术说明书内供应商详细信息**
- **企业名称:**
Electron Microscopy Sciences
1560 Industry Road
USA-Hatfield, PA 19440
Tel: 215-412-8400 Fax: 215-412-8450
email: info@emsdiasum.com
www.emsdiasum.com
- **可获取更多资料的部门:** Product safety department
- **紧急联系电话号码:**
ChemTrec 1-800-424-9300 Contract CCN7661
1-703-527-3887

2 危险性概述

· 紧急情况概述:

微黄色的，粘状的，造成严重眼刺激。可能导致皮肤过敏反应。可能对水生生物造成长期持续有害影响。

· GHS危险性类别



严重眼损伤/眼刺激 类别2A H319 造成严重眼刺激

敏化(皮肤) 第1类 H317 可能导致皮肤过敏反应

对水环境的危害(慢性) 第4类 H413 可能对水生生物造成长期持续有害影响

· 标签要素

· **GHS卷标要素** 本化学物质根据化学物质分类及标记全球协调制度(GHS)进行了分类及标记。

· 象形图



GHS07

· 警示词 警告

· 危险性说明

造成严重眼刺激

可能导致皮肤过敏反应

可能对水生生物造成长期持续有害影响

· 防范说明

· 预防措施

避免吸入粉尘/烟/气体/烟雾/蒸气/喷雾

(在 2 页继续)

化学品安全技术说明书

据根根据据根T 16483-2008, GB/T 17519-2013

打印日期 2022.09.16

在 2022.09.16 审核

化学品中文名称: 化学品俗名或商品名: DDSA

(在 1 页继续)

避免释放到环境中

戴防护手套/防护眼罩/防护面具

· 事故响应

如进入眼睛:用水小心冲洗几分钟。如戴隐形眼镜并可方便地取出,取出隐形眼镜。继续冲洗

如发生皮肤刺激或皮疹:求医/就诊

· 废弃处置

处置内装物/容器按照地方/区域/国家/国际规章

· 其他有害性

· PBT(残留性、生物浓缩性、毒性物质) 及 vPvB(高残留性、高生物浓缩性物质)评价结果

· PBT(残留性、生物浓缩性、毒性物质) 不适用的

· vPvB(高残留性、高生物浓缩性物质): 不适用的

3 成分/组成信息

纯品纯品纯品

· CAS号 化学名, 通用名

DDSA

· 鉴别编号:

· 欧盟编号: 247-781-6

4 急救措施

· 应急措施要领

吸入吸入吸入

供给新鲜空气并且确保会叫医生。

万一病人不清醒时,请让病人侧躺以便移动。

· 皮肤接触: 马上用水和肥皂进行彻底的冲洗。

· 眼睛接触: 张开眼睛在流水下冲洗数分钟。如果症状仍然持续,请咨询医生。

食入食入食入如果症状仍然持续,请咨询医生。

· 给医生的资料:

· 最重要的急慢性症状及其影响 无相关详细资料。

· 需要及时的医疗处理及特别处理的症状 无相关详细资料。

5 消防措施

· 灭火方法

· 灭火的方法和灭火剂: 使用适合四周环境的灭火措施。

· 特别危险性 无相关详细资料。

· 特殊灭火方法

· 消防人员特殊的防护装备: 没有要求特别的措施。

6 泄漏应急处理

· 保护措施 没有要求。

· 环境保护措施:

如果渗入了水源或污水系统,请通知有关当局。

切勿让其进入下水道/水面或地下水。

· 密封及净化方法和材料: 依照规则弃置收集的原料。

(在 3 页继续)

化学品安全技术说明书

据根根据据根T 16483-2008, GB/T 17519-2013

打印日期 2022.09.16

在 2022.09.16 审核

化学品中文名称: 化学品俗名或商品名: DDSA

(在 2 页继续)

· 参照其他部分

- 有关安全处理的资料请参阅第 7 节.
- 有关个人防护装备的资料请参阅第 8 节.
- 有关弃置的资料请参阅第 13 节.

7 操作处置与储存

· 操作处置

储存 储存 打开及处理贮藏器.

- 有关火灾及防止爆炸的资料: 提供呼吸保护装置.

· 混合危险性等安全储存条件

储存 储存 储存

- 储存库和容器须要达到的要求: 没有特别的要求.
- 有关使用一个普通的储存设施来储存的资料: 不需要.
- 有关储存条件的更多资料: 将容器密封.
- 具体的最终用户 无相关详细资料.

8 接触控制和个体防护

- 工程控制方法: 没有进一步数据;见第 7 项.

· 控制变数

- 在工作场需要监控的限值成分 不要求.
- 额外的资料: 制作期间有效的清单将作为基础来使用.

· 泄漏控制

· 个人防护设备:

· 一般保护和卫生措施:

- 远离食品、饮料和饲料.
- 在休息之前和工作完毕后请清洗双手.
- 分开储存保护性衣服.
- 避免和眼睛接触.
- 避免和眼睛及皮肤接触.

- 呼吸系统防护: 不需要.

· 手防护:



保护手套

手套的物料必须是不渗透性的,且能抵抗该产品/物质/添加剂.

基于缺乏测试,对于产品/制剂/化学混合物,并不会提供手套材料的建议

选择手套材料时,请注意材料的渗透时间,渗透率和降解参数

- 手套材料 选择合适的手套不单取决于材料,亦取决于质量特征,以及来自哪一间生产厂家
- 渗入手套材料的时间 请向劳保手套生产厂家获取准确的破裂时间并观察实际的破裂时间

(在 4 页继续)

化学品安全技术说明书

据根根据据根T 16483-2008, GB/T 17519-2013

打印日期 2022.09.16

在 2022.09.16 审核

化学品中文名称: 化学品俗名或商品名: DDSA

(在 3 页继续)

· 眼睛防护:



密封的护目镜

9 理化特性

· 有关基本物理及化学特性的信息

· 一般说明

外观外观外观

形状形状形状

粘状的

颜色颜色颜色

微黄色的

气味气味气味

有特性的

· 嗅觉阈限

未决定.

· pH值:

未决定.

· 条件的更改

熔点熔点熔点

-20 °C

沸点沸点沸点

沸点和沸程: 150 °C

闪点闪点闪点

113 °C

· 可燃性 (固体、气体): 不适用的

· 分解温度:

未决定.

· 自燃温度:

未决定.

· 爆炸的危险性:

该产品并没有爆炸的危险

· 爆炸极限:

较低较低较低

未决定.

较高较高较高

未决定.

· 蒸气压在 20 °C:

0.765 hPa

密度密度密度0 °C:

1.005 g/cm³

· 相对密度

未决定.

· 蒸气密度

未决定.

· 蒸发速率

不适用的

· 溶解性

水在 25 °C:

0.01 g/l

辛醇辛醇分配系数:

未决定.

黏性黏性黏性

动态动态动态

未决定.

运动运动运动的

未决定.

· 其他信息

无相关详细资料。

10 稳定性和反应性

稳定性无相关详细资料。

(在 5 页继续)

化学品安全技术说明书

据根据据根T 16483-2008, GB/T 17519-2013

打印日期 2022.09.16

在 2022.09.16 审核

化学品中文名称: 化学品俗名或商品名: DDSA

(在 4 页继续)

稳定稳定稳定
分解分解分解免的情况: 如果遵照规格使用则不会分解。
有害有害有害可能: 未有已知的危险反应。
避免避免避免: 无相关详细资料。
不相容的物质: 无相关详细资料。
危险的分解产物: 未知有危险的分解产品。

11 毒理学信息

对毒性学影响的信息
急性毒性:
重要的刺激影响:
皮肤皮肤皮肤有刺激性影响。
在眼睛上面: 刺激的影响。
致敏致敏致敏: 通过皮肤接触可能造成敏化作用。

12 生态学信息

毒害毒性毒性
水生毒性: 无相关详细资料。
持久性和降解性: 无相关详细资料。
环境系统习性:
潜在的累积性: 无相关详细资料。
土壤土壤土壤: 无相关详细资料。
额外的生态学资料:
总括注解:
水危害级别 1(德国规例) (评估): 对水是稍微危害的
不要让未稀释或大量的产品接触地下水、水道或者污水系统。
PBT(残留性、生物浓缩性、毒性物质) 及 vPvB(高残留性、高生物浓缩性物质)评价结果
PBT(残留性、生物浓缩性、毒性物质) 不适用的
vPvB(高残留性、高生物浓缩性物质): 不适用的
其他其他其他: 无相关详细资料。

13 废弃处置

废弃处置方法
建议建议建议: 不能将该产品和家居垃圾一起丢弃。不要让该产品接触污水系统。
受污染的容器和包装:
建议建议建议: 必须根据官方的规章来丢弃。

14 运输信息

联合国危险货物编号(UN号)
ADR, IMDG, IATA 无效
适当船名
ADR, IMDG, IATA 无效

(在 6 页继续)

化学品安全技术说明书

据根据据根T 16483-2008, GB/T 17519-2013

打印日期 2022.09.16

在 2022.09.16 审核

化学品中文名称: 化学品俗名或商品名: DDSA

(在 5 页继续)

运输危险等级

· ADR, ADN, IMDG, IATA	
· 级别	无效
· 包装组别	
· ADR, IMDG, IATA	无效
· 环境危害	不适用的
· 用户特别预防措施	不适用的
· MARPOL73/78(针对船舶引起的海洋污染预防协议附件书根据根据C国际国际船舶货物编码)值大量大量	
运送运送运送	不适用的
· UN "标准规定":	无效

15 法规信息

- 对相应纯物质或者混合物的安全、保健及环境法规/法律 无相关详细资料。
- 危险化学品安全管理条例
- 危险化学品目录 列出物质。
- 化学品首次进口及有毒化学品进出口环境管理规定
- 新化学物质环境管理办法
- 国家现危险化学品名录 有列出物质。
- GHS卷标元素 本化学物质根据化学物质分类及标记全球协调制度(GHS)进行了分类及标记。
- 象形图



GHS07

- 警示词 警告
- 危险性说明
 - 造成严重眼刺激
 - 可能导致皮肤过敏反应
 - 可能对水生生物造成长期持续有害影响
- 防范说明
- 预防措施
 - 避免吸入粉尘/烟/气体/烟雾/蒸气/喷雾
 - 避免释放到环境中
 - 戴防护手套/防护眼罩/防护面具
- 事故响应
 - 如进入眼睛:用水小心冲洗几分钟。如戴隐形眼镜并可方便地取出,取出隐形眼镜。继续冲洗
 - 如发生皮肤刺激或皮疹:求医/就诊
- 废弃处置
- 化学物质安全性评价: 尚未进行化学物质安全性评价

CN

(在 7 页继续)

化学品安全技术说明书

据根根据据根T 16483-2008, GB/T 17519-2013

打印日期 2022.09.16

在 2022.09.16 审核

化学品中文名称: 化学品俗名或商品名: DDSA

(在 6 页继续)

16 其他信息

该资料是基于我们目前的知识。然而,这并不构成对任何特定产品特性的担保并且不建立一个法律上有效的合同关系。

· **联络:**

· **缩写:**

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

EINECS: European Inventory of Existing Commercial Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

PBT: 持久性生物累积性有毒物质

vPvB: very Persistent and very Bioaccumulative

严重眼损伤/眼刺激 类别2A: Serious eye damage/eye irritation – Category 2A

敏化(皮肤) 第1类: Skin sensitisation – Category 1

对水环境的危害(慢性) 第4类: Hazardous to the aquatic environment - long-term aquatic hazard – Category 4

CN

Bezpečnostní list

podle 1907/2006/ES, Článek 31

Datum vydání: 16.09.2022

Revize: 16.09.2022

ODDÍL 1: Identifikace látky/směsi a společnosti/podniku

- **1.1 Identifikátor výrobku**
- **Obchodní označení: DDSA**
- **Číslo výrobku: 13700, 13701**
- **Číslo ES:**
247-781-6
- **1.2 Příslušná určená použití látky nebo směsi a nedoporučená použití**
Další relevantní informace nejsou k dispozici.
- **Použití látky / přípravku** Laboratorní chemikálie
- **1.3 Podrobné údaje o dodavateli bezpečnostního listu**
- **Identifikace výrobce/dovozce:**
Electron Microscopy Sciences
1560 Industry Road
USA-Hatfield, PA 19440
Tel: 215-412-8400 Fax: 215-412-8450
email: info@emsdiasum.com
www.emsdiasum.com
- **Obor poskytující informace:** Product safety department
- **1.4 Telefonní číslo pro naléhavé situace:**
ChemTrec 1-800-424-9300 Contract CCN7661
1-703-527-3887

ODDÍL 2: Identifikace nebezpečnosti

- **2.1 Klasifikace látky nebo směsi**
- **Klasifikace v souladu s nařízením (ES) č. 1272/2008**



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Eye Irrit. 2 H319 Způsobuje vážné podráždění očí.
 Skin Sens. 1 H317 Může vyvolat alergickou kožní reakci.
 Aquatic Chronic 4 H413 Může vyvolat dlouhodobé škodlivé účinky pro vodní organismy.

- **2.2 Prvky označení**
- **Označování v souladu s nařízením (ES) č. 1272/2008** Látka je klasifikována a označena podle nařízení CLP.
- **Výstražné symboly nebezpečnosti**



GHS07

- **Signální slovo** Varování
- **Standardní věty o nebezpečnosti**
H319 Způsobuje vážné podráždění očí.
H317 Může vyvolat alergickou kožní reakci.
H413 Může vyvolat dlouhodobé škodlivé účinky pro vodní organismy.
- **Pokyny pro bezpečné zacházení**
P261 Zamezte vdechování prachu/dýmu/plynu/mlhy/par/aerosolů.
P273 Zabraňte uvolnění do životního prostředí.
P280 Používejte ochranné rukavice / ochranné brýle / obličejový štít.

(pokračování na straně 2)

Bezpečnostní list

podle 1907/2006/ES, Článek 31

Datum vydání: 16.09.2022

Revize: 16.09.2022

Obchodní označení: DDSA

(pokračování strany 1)

P305+P351+P338 **PŘI ZASAŽENÍ OČÍ:** Několik minut opatrně vyplachujte vodou. Vyjměte kontaktní čočky, jsou-li nasazeny a pokud je lze vyjmout snadno. Pokračujte ve vyplachování.

P333+P313 Při podráždění kůže nebo vyrážce: Vyhleďte lékařskou pomoc/ošetření.

P501 Obsah/nádobu likvidujte v souladu s místními/regionálními/národními/mezinárodními předpisy.

- **2.3 Další nebezpečnost**
- **Výsledky posouzení PBT a vPvB**
- **PBT:** Nedá se použít.
- **vPvB:** Nedá se použít.

ODDÍL 3: Složení/informace o složkách

- **3.1 Chemická charakteristika: Látky**
- **Číslo CAS:**
DDSA
- **Identifikační číslo(čísla)**
- **Číslo ES:** 247-781-6

ODDÍL 4: Pokyny pro první pomoc

- **4.1 Popis první pomoci**
- **Při nadýchání:**
Bohatý přívod čerstvého vzduchu a pro jistotu vyhledat lékaře.
Při bezvědomí uložit a přepravit ve stabilní poloze na boku.
- **Při styku s kůží:** Ihned omýt vodou a mýdlem a dobře opláchnout.
- **Při zasažení očí:**
Oči s otevřenými víčky vyplachovat po více minut proudem tekoucí vody. Při přetrvávajících potížích se poradit s lékařem.
- **Při požití:** Při přetrvávajících potížích konzultovat s lékařem.
- **4.2 Nejdůležitější akutní a opožděné symptomy a účinky** Další relevantní informace nejsou k dispozici.
- **4.3 Pokyn týkající se okamžité lékařské pomoci a zvláštního ošetření**
Další relevantní informace nejsou k dispozici.

ODDÍL 5: Opatření pro hašení požáru

- **5.1 Hasiva**
- **Vhodná hasiva:** Způsob hašení přizpůsobit podmínkám v okolí.
- **5.2 Zvláštní nebezpečnost vyplývající z látky nebo směsi** Další relevantní informace nejsou k dispozici.
- **5.3 Pokyny pro hasiče**
- **Zvláštní ochranné prostředky pro hasiče:** Nejsou nutná žádná zvláštní opatření.

ODDÍL 6: Opatření v případě náhodného úniku

- **6.1 Opatření na ochranu osob, ochranné prostředky a nouzové postupy** Není nutné.
- **6.2 Opatření na ochranu životního prostředí:**
Při vniknutí do kanalizace nebo vodního toku informovat příslušné orgány.
Nenechat proniknout do kanalizace/povrchových vod/podzemních vod.
- **6.3 Metody a materiál pro omezení úniku a pro čištění:** Nabraný materiál odstranit podle předpisů.
- **6.4 Odkaz na jiné oddíly**
Informace o bezpečnému zacházení viz kapitola 7.
Informace o osobní ochranné výstroji viz kapitola 8.

(pokračování na straně 3)

Bezpečnostní list

podle 1907/2006/ES, Článek 31

Datum vydání: 16.09.2022

Revize: 16.09.2022

Obchodní označení: DDSA

Informace k odstranění viz kapitola 13.

(pokračování strany 2)

ODDÍL 7: Zacházení a skladování

- **7.1 Opatření pro bezpečné zacházení** Nádrž opatrně otevřít a zacházet s ní opatrně.
- **Upozornění k ochraně před ohněm a explozí:** Mít připravené ochranné dýchací přístroje.
- **7.2 Podmínky pro bezpečné skladování látek a směsí včetně neslučitelných látek a směsí**
- **Pokyny pro skladování:**
- **Požadavky na skladovací prostory a nádoby:** Žádné zvláštní požadavky.
- **Upozornění k hromadnému skladování:** Není nutné.
- **Další údaje k podmínkám skladování:** Nádrž držet neprodyšně uzavřenou.
- **7.3 Specifické konečné / specifická konečná použití** Další relevantní informace nejsou k dispozici.

ODDÍL 8: Omezování expozice / osobní ochranné prostředky

- **8.1 Kontrolní parametry**
- **Technická opatření:** Žádné další údaje, viz bod 7.
- **Kontrolní parametry:** Odpadá
- **Další upozornění:** Jako podklad sloužily při zhotovení platné listiny.
- **8.2 Omezování expozice**
- **Osobní ochranné prostředky:**
- **Všeobecná ochranná a hygienická opatření:**
Zdržovat od potravin, nápojů a krmiv.
Před přestávkami a po práci umýt ruce.
Ochranný oděv odděleně přechovávat.
Zamezit styku se zrakem.
Zamezit styku s pokožkou a zrakem.
- **Ochrana dýchacích orgánů:** Není nutné.
- **Ochrana rukou:**



Ochranné rukavice

- Materiál rukavic musí být nepropustný a odolný proti produktu / látce / směsi.
Vzhledem k tomu, že chybí testy, není možné doporučit materiál rukavic pro produkt / přípravek / chemickou směs.
Výběr materiálu rukavic proveďte podle času průniku, permeability a degradace.
- **Materiál rukavic**
Správný výběr rukavic nezávisí jen na materiálu, ale také na dalších kritériích, která se liší podle výrobce.
 - **Doba průniku materiálem rukavic**
Je nutno u výrobce rukavic zjistit a dodržovat přesné časy průniku materiálem ochranných rukavic.
 - **Ochrana očí:**



Uzavřené ochranné brýle

CZ

(pokračování na straně 4)

Bezpečnostní list

podle 1907/2006/ES, Článek 31

Datum vydání: 16.09.2022

Revize: 16.09.2022

Obchodní označení: DDSA

(pokračování strany 3)

ODDÍL 9: Fyzikální a chemické vlastnosti

· 9.1 Informace o základních fyzikálních a chemických vlastnostech

· Všeobecné údaje

· Vzhled:

Skupenství: Vazké

Barva: Žlutavá

· Zápach: Charakteristický

· Prahová hodnota zápachu: Není určeno.

· Hodnota pH: Není určeno.

· Změna stavu

Bod tání/bod tuhnutí: -20 °C

Počáteční bod varu a rozmezí bodu varu: 150 °C

· Bod vzplanutí: 113 °C

· Hořlavost (pevné látky, plyny): Nedá se použít.

· Teplota rozkladu: Není určeno.

· Teplota samovznícení: Není určeno.

· Výbušné vlastnosti: U produktu nehrozí nebezpečí exploze.

· Meze výbušnosti:

Dolní mez: Není určeno.

Horní mez: Není určeno.

· Tlak páry při 20 °C: 0,765 hPa

· Hustota při 20 °C: 1,005 g/cm³

· Relativní hustota: Není určeno.

· Hustota páry: Není určeno.

· Rychlost odpařování: Nedá se použít.

· Rozpustnost ve / směřitelnost s

vodě při 25 °C: 0,01 g/l

· Rozdělovací koeficient: n-oktanol/voda: Není určeno.

· Viskozita:

Dynamicky: Není určeno.

Kinematicky: Není určeno.

· 9.2 Další informace: Další relevantní informace nejsou k dispozici.

ODDÍL 10: Stálost a reaktivita

· 10.1 Reaktivita Další relevantní informace nejsou k dispozici.

· 10.2 Chemická stabilita

· Termický rozklad / Podmínky, kterých je nutno se vyvarovat:

Nedochází k rozkladu při doporučeném způsobu použití.

· 10.3 Možnost nebezpečných reakcí Žádné nebezpečné reakce nejsou známy.

· 10.4 Podmínky, kterým je třeba zabránit Další relevantní informace nejsou k dispozici.

· 10.5 Neslučitelné materiály: Další relevantní informace nejsou k dispozici.

(pokračování na straně 5)

Bezpečnostní list

podle 1907/2006/ES, Článek 31

Datum vydání: 16.09.2022

Revize: 16.09.2022

Obchodní označení: DDSA

(pokračování strany 4)

- **10.6 Nebezpečné produkty rozkladu:** Nejsou známy žádné nebezpečné produkty při rozkladu.

ODDÍL 11: Toxikologické informace

- **11.1 Informace o toxikologických účincích**
- **Akutní toxicita** Na základě dostupných údajů nejsou kritéria pro klasifikaci splněna.
- **Primární dráždivé účinky:**
- **Žíravost/dráždivost pro kůži** Na základě dostupných údajů nejsou kritéria pro klasifikaci splněna.
- **Vážné poškození očí / podráždění očí**
Způsobuje vážné podráždění očí.
- **Senzibilizace dýchacích cest / senzibilizace kůže**
Může vyvolat alergickou kožní reakci.
- **Doplňující toxikologická upozornění:**
- **Účinky CMR (karcinogenita, mutagenita a toxicita pro reprodukci)**
- **Mutagenita v zárodečných buňkách** Na základě dostupných údajů nejsou kritéria pro klasifikaci splněna.
- **Karcinogenita** Na základě dostupných údajů nejsou kritéria pro klasifikaci splněna.
- **Toxicita pro reprodukci** Na základě dostupných údajů nejsou kritéria pro klasifikaci splněna.
- **Toxicita pro specifické cílové orgány – jednorázová expozice**
Na základě dostupných údajů nejsou kritéria pro klasifikaci splněna.
- **Toxicita pro specifické cílové orgány – opakovaná expozice**
Na základě dostupných údajů nejsou kritéria pro klasifikaci splněna.
- **Nebezpečnost při vdechnutí** Na základě dostupných údajů nejsou kritéria pro klasifikaci splněna.

ODDÍL 12: Ekologické informace

- **12.1 Toxicita**
- **Aquatická toxicita:** Další relevantní informace nejsou k dispozici.
- **12.2 Perzistence a rozložitelnost** Další relevantní informace nejsou k dispozici.
- **12.3 Bioakumulační potenciál** Další relevantní informace nejsou k dispozici.
- **12.4 Mobilita v půdě** Další relevantní informace nejsou k dispozici.
- **Další ekologické údaje:**
- **Všeobecná upozornění:**
Třída ohrožení vody 1 (zařazení v listině): slabé ohrožení vody
Nesmí se dostat nezředěný nebo ve větším množství do spodní vody, povodí nebo kanalizace.
- **12.5 Výsledky posouzení PBT a vPvB**
- **PBT:** Nedá se použít.
- **vPvB:** Nedá se použít.
- **12.6 Jiné nepříznivé účinky** Další relevantní informace nejsou k dispozici.

ODDÍL 13: Pokyny pro odstraňování

- **13.1 Metody nakládání s odpady**
- **Doporučení:** Nesmí se odstraňovat společně s odpady z domácnosti. Nepřipustit únik do kanalizace.
- **Kontaminované obaly:**
- **Doporučení:** Odstranění podle příslušných předpisů.

CZ

(pokračování na straně 6)

Bezpečnostní list

podle 1907/2006/ES, Článek 31

Datum vydání: 16.09.2022

Revize: 16.09.2022

Obchodní označení: DDSA

(pokračování strany 5)

ODDÍL 14: Informace pro přepravu

- | | |
|--|-----------------|
| · 14.1 UN číslo
· ADR, IMDG, IATA | odpadá |
| · 14.2 Oficiální (OSN) pojmenování pro přepravu
· ADR, IMDG, IATA | odpadá |
| · 14.3 Třída/třídy nebezpečnosti pro přepravu
· ADR, ADN, IMDG, IATA
· třída | odpadá |
| · 14.4 Obalová skupina
· ADR, IMDG, IATA | odpadá |
| · 14.5 Nebezpečnost pro životní prostředí: | Nedá se použít. |
| · 14.6 Zvláštní bezpečnostní opatření pro uživatele | Nedá se použít. |
| · 14.7 Hromadná přeprava podle přílohy II úmluvy MARPOL a předpisu IBC | Nedá se použít. |
| · UN "Model Regulation": | odpadá |

ODDÍL 15: Informace o předpisech

- 15.1 Předpisy týkající se bezpečnosti, zdraví a životního prostředí/specifické právní předpisy týkající se látky nebo směsi
 - Rady 2012/18/EU
 - Nebezpečné látky jmenovitě uvedené - PŘÍLOHA I Látka neobsažena.
 - Směrnice 2011/65/EU o omezení používání některých nebezpečných látek v elektrických a elektronických zařízeních - Příloha II
Látka neobsažena.
 - NAŘÍZENÍ (EU) 2019/1148
 - Příloha I - PREKURZORY VÝBUŠNIN PODLÉHAJÍCÍ OMEZENÍ (Horní mezní hodnota pro účely povolení podle čl. 5 odst. 3)
Látka neobsažena.
 - Příloha II - PREKURZORY VÝBUŠNIN PODLÉHAJÍCÍ OZNAMOVÁNÍ Látka neobsažena.
 - Nařízení (ES) č. 273/2004 o prekursorech drog Látka neobsažena.
 - Nařízení (ES) č. 111/2005 kterým se stanoví pravidla pro sledování obchodu s prekursory drog mezi Společenstvím a třetími zeměmi
Látka neobsažena.
- 15.2 Posouzení chemické bezpečnosti: Posouzení chemické bezpečnosti nebylo provedeno.

ODDÍL 16: Další informace

Údaje se opírají o dnešní stav našich vědomostí, nepředstavují však záruku vlastností produktu a nevznikají tak žádné smluvní právní vztahy.

· Zkratky a akronymy:

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)
 IMDG: International Maritime Code for Dangerous Goods
 IATA: International Air Transport Association
 GHS: Globally Harmonised System of Classification and Labelling of Chemicals
 EINECS: European Inventory of Existing Commercial Chemical Substances
 CAS: Chemical Abstracts Service (division of the American Chemical Society)

(pokračování na straně 7)

Bezpečnostní list
podle 1907/2006/ES, Článek 31

Datum vydání: 16.09.2022

Revize: 16.09.2022

Obchodní označení: DDSA

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

Eye Irrit. 2: Vážné poškození očí / podráždění očí – Kategorie 2

Skin Sens. 1: Senzibilizace kůže – Kategorie 1

Aquatic Chronic 4: Nebezpečnost pro vodní prostředí - dlouhodobá nebezpečnost pro vodní prostředí – Kategorie 4

(pokračování strany 6)

CZ

Veiligheidsinformatieblad volgens 1907/2006/EG, Artikel 31

datum van de druk: 16.09.2022

Herziening van: 16.09.2022

RUBRIEK 1: Identificatie van de stof of het mengsel en van de vennootschap/onderneming

- **1.1 Productidentificatie**
- **Handelsnaam:** DDSA
- **Artikelnummer:** 13700, 13701
- **EC-nummer:**
247-781-6
- **1.2 Relevant geïdentificeerd gebruik van de stof of het mengsel en ontraden gebruik**
Geen verdere relevante informatie verkrijgbaar.
- **Toepassing van de stof / van de bereiding** Laboratoriumchemicaliën
- **1.3 Details betreffende de verstrekker van het veiligheidsinformatieblad**
- **Fabrikant/leverancier:**
Electron Microscopy Sciences
1560 Industry Road
USA-Hatfield, PA 19440
Tel: 215-412-8400 Fax: 215-412-8450
email: info@emsdiasum.com
www.emsdiasum.com
- **Aurion**
Binnenhaven 5
6709 PD Wageningen
The Netherlands
Tel: 31 317 415094
Fax: 31 317 415955
email: info@aurion.nl
- **Inlichtingengevende sector:** Product safety department
- **1.4 Telefoonnummer voor noodgevallen:**
ChemTrec 1-800-424-9300 Contract CCN7661
1-703-527-3887

RUBRIEK 2: Identificatie van de gevaren

- **2.1 Indeling van de stof of het mengsel**
- **Indeling overeenkomstig Verordening (EG) nr. 1272/2008**



GHS07

Eye Irrit. 2 H319 Veroorzaakt ernstige oogirritatie.
Skin Sens. 1 H317 Kan een allergische huidreactie veroorzaken.
.....
Aquatic Chronic 4 H413 Kan langdurige schadelijke gevolgen voor in het water levende organismen hebben.

- **2.2 Etiketteringselementen**
- **Etikettering overeenkomstig Verordening (EG) nr. 1272/2008**
De stof product is geclassificeerd en geëtiketteerd volgens de CLP-verordening.
- **Gevarenpictogrammen**



GHS07

- **Signaalwoord** Waarschuwing

(Vervolg op blz. 2)

Veiligheidsinformatieblad

volgens 1907/2006/EG, Artikel 31

datum van de druk: 16.09.2022

Herziening van: 16.09.2022

Handelsnaam: DDSA

(Vervolg van blz. 1)

- **Gevarenaanduidingen**

H319 Veroorzaakt ernstige oogirritatie.

H317 Kan een allergische huidreactie veroorzaken.

H413 Kan langdurige schadelijke gevolgen voor in het water levende organismen hebben.

- **Veiligheidsaanbevelingen**

P261 Inademing van stof/rook/gas/nevel/damp/spuitnevel vermijden.

P273 Voorkom lozing in het milieu.

P280 Draag beschermende handschoenen/oogbescherming/gelaatsbescherming.

P305+P351+P338 **BIJ CONTACT MET DE OGEN:** voorzichtig afspoelen met water gedurende een aantal minuten; contactlenzen verwijderen, indien mogelijk; blijven spoelen.

P333+P313 Bij huidirritatie of uitslag: een arts raadplegen.

P501 De inhoud en de verpakking verwerken volgens de plaatselijke/regionale/nationale/internationale voorschriften.

- **2.3 Andere gevaren**

- **Resultaten van PBT- en zPzB-beoordeling**

- **PBT:** Niet bruikbaar.

- **zPzB:** Niet bruikbaar.

RUBRIEK 3: Samenstelling en informatie over de bestanddelen

- **3.1 Chemische karakterisering: Stoffen**

- **CAS-Nr. omschrijving**

DDSA

- **Identificatienummer(s)**

- **EC-nummer:** 247-781-6

RUBRIEK 4: Eerstehulpmaatregelen

- **4.1 Beschrijving van de eerstehulpmaatregelen**

- **Na het inademen:**

Veel verse lucht toedienen en voor alle zekerheid een arts raadplegen.

Bij bewusteloosheid ligging en vervoer in stabiele zijligging.

- **Na huidcontact:** Onmiddellijk met water en zeep afwassen en goed naspoelen.

- **Na oogcontact:**

De ogen gedurende verscheidene minuten onder stromend water afspoelen terwijl de oogspleet geopend blijft. Bij aanhoudende klachten een dokter raadplegen.

- **Na inslikken:** Als de klachten niet minderen, een arts raadplegen

- **4.2 Belangrijkste acute en uitgestelde symptomen en effecten** Geen verdere relevante informatie verkrijgbaar.

- **4.3 Vermelding van de vereiste onmiddellijke medische verzorging en speciale behandeling**

Geen verdere relevante informatie verkrijgbaar.

RUBRIEK 5: Brandbestrijdingsmaatregelen

- **5.1 Blusmiddelen**

- **Geschikte blusmiddelen:** Brandblusmaatregelen op omgeving afstemmen.

- **5.2 Speciale gevaren die door de stof of het mengsel worden veroorzaakt**

Geen verdere relevante informatie verkrijgbaar.

- **5.3 Advies voor brandweerlieden**

- **Speciale beschermende kleding:** Geen bijzondere maatregelen nodig.

NL

(Vervolg op blz. 3)

Veiligheidsinformatieblad

volgens 1907/2006/EG, Artikel 31

datum van de druk: 16.09.2022

Herziening van: 16.09.2022

Handelsnaam: DDSA

(Vervolg van blz. 2)

RUBRIEK 6: Maatregelen bij het accidenteel vrijkomen van de stof of het mengsel

- **6.1 Persoonlijke voorzorgsmaatregelen, beschermingsmiddelen en noodprocedures** Niet nodig.
- **6.2 Milieuvoorzorgsmaatregelen:**
Bij indringen in afvalwater of riolering moet de bevoegde instantie gewaarschuwd worden.
Niet in de riolering/het oppervlaktewater/het grondwater laten terechtkomen.
- **6.3 Insluitings- en reinigingsmethoden en -materiaal:**
Het opgenomen materiaal volgens de voorschriften bergen.
- **6.4 Verwijzing naar andere rubrieken**
Informatie inzake veilig gebruik - zie hoofdstuk 7.
Informatie inzake persoonlijke beschermingsuitrusting - zie hoofdstuk 8.
Informatie inzake berging - zie hoofdstuk 13.

RUBRIEK 7: Hantering en opslag

- **7.1 Voorzorgsmaatregelen voor het veilig hanteren van de stof of het mengsel**
Tanks voorzichtig openen en behandelen.
- **Informatie m.b.t. brand- en ontploffingsgevaar:** Ademhalingstoestellen gereedhouden.
- **7.2 Voorwaarden voor een veilige opslag, met inbegrip van incompatibele producten**
- **Opslag:**
- **Eisen ten opzichte van opslagruimte en tanks:** Geen bijzondere eisen.
- **Informatie m.b.t. gezamenlijke opslag:** Niet noodzakelijk.
- **Verdere inlichtingen over eisen m.b.t. de opslag:** Tanks ondoordringbaar gesloten houden.
- **7.3 Specifiek eindgebruik** Geen verdere relevante informatie verkrijgbaar.

RUBRIEK 8: Maatregelen ter beheersing van blootstelling/persoonlijke bescherming

- **8.1 Controleparameters**
- **Aanvullende gegevens m.b.t. de inrichting van technische installaties:** Geen aanvullende gegevens. Zie 7.
- **Bestanddelen met grenswaarden die m.b.t. de werkruimte in acht genomen moeten worden:** Vervalt.
- **Aanvullende gegevens:** Als basis dienden lijsten die bij opstelling geldig waren.
- **8.2 Maatregelen ter beheersing van blootstelling**
- **Persoonlijke beschermingsvoorzieningen:**
- **Algemene beschermings- en gezondheidsmaatregelen:**
Verwijderd houden van eet- en drinkwaren.
Vóór de pauze en aan het einde van werktijd handen wassen.
Beschermende kleding afzonderlijk bewaren.
Aanraking met de ogen vermijden.
Aanraking met de ogen en de huid vermijden.
- **Ademhalingsbescherming:** Niet noodzakelijk.
- **Handbescherming:**



Veiligheidshandschoenen

Het handschoenmateriaal moet ondoorlatend en bestand zijn tegen het product / de stof / de bereiding.
Op grond van falende testen kan geen aanbeveling voor handschoenmateriaal voor het product / de bereiding / het chemicaliënmengsel afgegeven worden.

Kies handschoenmateriaal rekening houdend met de penetratietijden, de permeatiegraden en de degradatie.

(Vervolg op blz. 4)

Veiligheidsinformatieblad

volgens 1907/2006/EG, Artikel 31

datum van de druk: 16.09.2022

Herziening van: 16.09.2022

Handelsnaam: DDSA

(Vervolg van blz. 3)

- **Handschoenmateriaal**

De keuze van een geschikte handschoen is niet alleen afhankelijk van het materiaal, maar ook van andere kwaliteitskenmerken en verschilt van fabrikant tot fabrikant.

- **Doordringingstijd van het handschoenmateriaal**

De precieze penetratietijd kunt u te weten komen bij de handschoenfabrikant; houd er rekening mee.

- **Oogbescherming:**



Nauw aansluitende veiligheidsbril

RUBRIEK 9: Fysische en chemische eigenschappen

- **9.1 Informatie over fysische en chemische basiseigenschappen**

- **Algemene gegevens**

- **Voorkomen:**

Vorm: Dikvloeibaar, viskeus

Kleur: Geelachtig

- **Geur:** Karakteristiek

- **Geurdrempelwaarde:** Niet bepaald.

- **pH-waarde:** Niet bepaald.

- **Toestandsverandering**

Smelt-/vriespunt: -20 °C

Beginkookpunt en kooktraject: 150 °C

- **Vlampunt:** 113 °C

- **Ontvlambaarheid (vast, gas):** Niet bruikbaar.

- **Ontledingstemperatuur:** Niet bepaald.

- **Zelfontbrandingstemperatuur:** Niet bepaald.

- **Ontploffingseigenschappen:** Het produkt is niet ontploffingsgevaarlijk.

- **Ontploffingsgrenzen:**

Onderste: Niet bepaald.

Bovenste: Niet bepaald.

- **Dampspanning bij 20 °C:** 0,765 hPa

- **Dichtheid bij 20 °C:** 1,005 g/cm³

- **Relatieve dichtheid** Niet bepaald.

- **Dampdichtheid** Niet bepaald.

- **Verdampingssnelheid** Niet bruikbaar.

- **Oplosbaarheid in/mengbaarheid met**

Water bij 25 °C: 0,01 g/l

- **Verdelingscoëfficiënt: n-octanol/water:** Niet bepaald.

- **Viscositeit**

Dynamisch: Niet bepaald.

Kinematisch: Niet bepaald.

(Vervolg op blz. 5)

Veiligheidsinformatieblad

volgens 1907/2006/EG, Artikel 31

datum van de druk: 16.09.2022

Herziening van: 16.09.2022

Handelsnaam: DDSA

(Vervolg van blz. 4)

- **9.2 Overige informatie** *Geen verdere relevante informatie verkrijgbaar.*

RUBRIEK 10: Stabiliteit en reactiviteit

- **10.1 Reactiviteit** *Geen verdere relevante informatie verkrijgbaar.*
- **10.2 Chemische stabiliteit**
- **Thermische afbraak / te vermijden omstandigheden:** *Geen afbraak bij gebruik volgens voorschrift.*
- **10.3 Mogelijke gevaarlijke reacties** *Geen gevaarlijke reacties bekend.*
- **10.4 Te vermijden omstandigheden** *Geen verdere relevante informatie verkrijgbaar.*
- **10.5 Chemisch op elkaar inwerkende materialen:** *Geen verdere relevante informatie verkrijgbaar.*
- **10.6 Gevaarlijke ontledingsproducten:** *Geen gevaarlijke ontbindingsproducten bekend.*

RUBRIEK 11: Toxicologische informatie

- **11.1 Informatie over toxicologische effecten**
- **Acute toxiciteit** *Gebaseerd op beschikbare gegevens; aan de indelingscriteria is niet voldaan.*
- **Primaire aandoening:**
- **Huidcorrosie/-irritatie** *Gebaseerd op beschikbare gegevens; aan de indelingscriteria is niet voldaan.*
- **Ernstig oogletsel/oogirritatie**
Veroorzaakt ernstige oogirritatie.
- **Sensibilisatie van de luchtwegen/de huid**
Kan een allergische huidreactie veroorzaken.
- **Aanvullende toxicologische informatie:**
- **CMR-effecten (kankerverwekkendheid, mutageniteit en giftigheid voor de voortplanting)**
- **Mutageniteit in geslachtscellen** *Gebaseerd op beschikbare gegevens; aan de indelingscriteria is niet voldaan.*
- **Kankerverwekkendheid** *Gebaseerd op beschikbare gegevens; aan de indelingscriteria is niet voldaan.*
- **Giftigheid voor de voortplanting** *Gebaseerd op beschikbare gegevens; aan de indelingscriteria is niet voldaan.*
- **STOT bij eenmalige blootstelling** *Gebaseerd op beschikbare gegevens; aan de indelingscriteria is niet voldaan.*
- **STOT bij herhaalde blootstelling** *Gebaseerd op beschikbare gegevens; aan de indelingscriteria is niet voldaan.*
- **Gevaar bij inademing** *Gebaseerd op beschikbare gegevens; aan de indelingscriteria is niet voldaan.*

RUBRIEK 12: Ecologische informatie

- **12.1 Toxiciteit**
- **Aquatische toxiciteit:** *Geen verdere relevante informatie verkrijgbaar.*
- **12.2 Persistentie en afbreekbaarheid** *Geen verdere relevante informatie verkrijgbaar.*
- **12.3 Bioaccumulatie** *Geen verdere relevante informatie verkrijgbaar.*
- **12.4 Mobiliteit in de bodem** *Geen verdere relevante informatie verkrijgbaar.*
- **Verdere ecologische informatie:**
- **Algemene informatie:**
Waterbezwaarlijkheid (NL): B(4) Weinig schadelijk voor in water levende organismen
Gevaar voor water klasse 1 (D) (Lijstclassificatie): gevaar voor water klein
Niet onverdund of in grote hoeveelheden lozen in grondwater, in oppervlaktewater of in de riolering.
- **12.5 Resultaten van PBT- en zPzB-beoordeling**
- **PBT:** *Niet bruikbaar.*
- **zPzB:** *Niet bruikbaar.*
- **12.6 Andere schadelijke effecten** *Geen verdere relevante informatie verkrijgbaar.*

NL

(Vervolg op blz. 6)

Veiligheidsinformatieblad

volgens 1907/2006/EG, Artikel 31

datum van de druk: 16.09.2022

Herziening van: 16.09.2022

Handelsnaam: DDSA

(Vervolg van blz. 5)

RUBRIEK 13: Instructies voor verwijdering

- **13.1 Afvalverwerkingsmethoden**
- **Aanbeveling:** Mag niet tesamen met huisvuil gestort worden of in de riolering terechtkomen.
- **Niet gereinigde verpakkingen:**
- **Aanbeveling:** Afvalverwijdering volgens overheidsbepalingen.

RUBRIEK 14: Informatie met betrekking tot het vervoer

· 14.1 VN-nummer · ADR, IMDG, IATA	Niet van toepassing
· 14.2 Juiste ladingnaam overeenkomstig de modelreglementen van de VN · ADR, IMDG, IATA	Niet van toepassing
· 14.3 Transportgevarenklasse(n) · ADR, ADN, IMDG, IATA · klasse	Niet van toepassing
· 14.4 Verpakkingsgroep: · ADR, IMDG, IATA	Niet van toepassing
· 14.5 Milieugevaren:	Niet bruikbaar.
· 14.6 Bijzondere voorzorgen voor de gebruiker	Niet bruikbaar.
· 14.7 Vervoer in bulk overeenkomstig bijlage II bij Marpol en de IBC-code	Niet bruikbaar.
· VN "Model Regulation":	Niet van toepassing

RUBRIEK 15: Regelgeving

- **15.1 Specifieke veiligheids-, gezondheids- en milieureglementen en -wetgeving voor de stof of het mengsel**
- **SZW-lijst van kankerverwekkende stoffen** De stof is niet aanwezig.
- **SZW-lijst van mutagene stoffen** De stof is niet aanwezig.
- **NIET-limitatieve lijst van voor de voortplanting giftige stoffen - Vruchtbaarheid** De stof is niet aanwezig.
- **NIET-limitatieve lijst van voor de voortplanting giftige stoffen - Ontwikkeling** De stof is niet aanwezig.
- **NIET-limitatieve lijst van voor de voortplanting giftige stoffen - Borstvoeding** De stof is niet aanwezig.
- **Lijst Zeer Zorgwekkende Stoffen (ZZS)** De stof is niet aanwezig.
- **Lijst van Potentieel Zeer Zorgwekkende Stoffen** De stof is niet aanwezig.
- **Richtlijn 2012/18/EU**
- **Gevaarlijke stoffen die met naam genoemd worden - BIJLAGE I** De stof is niet aanwezig.
- **Richtlijn 2011/65/EU betreffende beperking van het gebruik van bepaalde gevaarlijke stoffen in elektrische en elektronische apparatuur - Bijlage II**
De stof is niet aanwezig.
- **VERORDENING (EU) 2019/1148**
- **Bijlage I - PRECURSOREN VOOR EXPLOSIEVEN WAARVOOR EEN BEPERKING GELDT (Bovengrenswaarde ten behoeve van vergunningverlening op grond van artikel 5, lid 3)**
De stof is niet aanwezig.
- **Bijlage II - PRECURSOREN VOOR EXPLOSIEVEN DIE MOETEN WORDEN GEMELD**
De stof is niet aanwezig.

(Vervolg op blz. 7)

Veiligheidsinformatieblad
volgens 1907/2006/EG, Artikel 31

datum van de druk: 16.09.2022

Herziening van: 16.09.2022

Handelsnaam: DDSA

(Vervolg van blz. 6)

- **Verordening (EG) nr. 273/2004 inzake drugsprecursoren** De stof is niet aanwezig.
- **Verordening (EG) Nr. 111/2005 houdende voorschriften voor het toezicht op de handel tussen de Gemeenschap en derde landen in drugsprecursoren**
De stof is niet aanwezig.
- **Nationale voorschriften:**
- **Gevaarklasse v. water:** Waterbezwaarlijkheid (NL): B(4) Weinig schadelijk voor in water levende organismen
- **15.2 Chemischeveiligheidsbeoordeling:** Een chemische veiligheidsbeoordeling is niet uitgevoerd.

RUBRIEK 16: Overige informatie

Deze gegevens zijn gebaseerd op de huidige stand van onze kennis. Zij beschrijven echter geen garantie van produkteigenschappen en vestigen geen contractuele rechtsbetrekking.

· **Afkortingen en acroniemen:**

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

Eye Irrit. 2: Ernstig oogletsel/oogirritatie – Categorie 2

Skin Sens. 1: Sensibilisatie van de huid – Categorie 1

Aquatic Chronic 4: Gevaar voor het aquatisch milieu - aquatisch gevaar op lange termijn – Categorie 4

NL

Fiche de données de sécurité

selon 1907/2006/CE, Article 31

Date d'impression : 16.09.2022

Révision: 16.09.2022

RUBRIQUE 1: Identification de la substance/du mélange et de la société/l'entreprise

- **1.1 Identificateur de produit**
- **Nom du produit:** DDSA
- **Code du produit:** 13700, 13701
- **Numéro CE:**
247-781-6
- **1.2 Utilisations identifiées pertinentes de la substance ou du mélange et utilisations déconseillées**
Pas d'autres informations importantes disponibles.
- **Emploi de la substance / de la préparation** Produits chimiques pour laboratoires
- **1.3 Renseignements concernant le fournisseur de la fiche de données de sécurité**
- **Producteur/fournisseur:**
Electron Microscopy Sciences
1560 Industry Road
USA-Hatfield, PA 19440
Tel: 215-412-8400 Fax: 215-412-8450
email: info@emsdiasum.com
www.emsdiasum.com
- **Service chargé des renseignements:** Product safety department
- **1.4 Numéro d'appel d'urgence:**
ChemTrec 1-800-424-9300 Contract CCN7661
1-703-527-3887

RUBRIQUE 2: Identification des dangers

- **2.1 Classification de la substance ou du mélange**
- **Classification selon le règlement (CE) n° 1272/2008**



GHS07

Eye Irrit. 2 H319 Provoque une sévère irritation des yeux.
 Skin Sens. 1 H317 Peut provoquer une allergie cutanée.
 Aquatic Chronic 4 H413 Peut être nocif à long terme pour les organismes aquatiques.

- **2.2 Éléments d'étiquetage**
- **Étiquetage selon le règlement (CE) n° 1272/2008** La substance est classifiée et étiquetée selon le règlement CLP.
- **Pictogrammes de danger**



GHS07

- **Mention d'avertissement** Attention
- **Mentions de danger**
H319 Provoque une sévère irritation des yeux.
H317 Peut provoquer une allergie cutanée.
H413 Peut être nocif à long terme pour les organismes aquatiques.
- **Conseils de prudence**
P261 Éviter de respirer les poussières/fumées/gaz/brouillards/vapeurs/aérosols.
P273 Éviter le rejet dans l'environnement.

(suite page 2)

Fiche de données de sécurité

selon 1907/2006/CE, Article 31

Date d'impression : 16.09.2022

Révision: 16.09.2022

Nom du produit: DDSA

(suite de la page 1)

- P280 Porter des gants de protection / un équipement de protection des yeux / un équipement de protection du visage.
- P305+P351+P338 **EN CAS DE CONTACT AVEC LES YEUX:** Rincer avec précaution à l'eau pendant plusieurs minutes. Enlever les lentilles de contact si la victime en porte et si elles peuvent être facilement enlevées. Continuer à rincer.
- P333+P313 En cas d'irritation ou d'éruption cutanée: consulter un médecin.
- P501 Éliminer le contenu/réceptacle conformément à la réglementation locale/régionale/nationale/internationale.

- **2.3 Autres dangers**
- **Résultats des évaluations PBT et vPvB**
- **PBT:** Non applicable.
- **vPvB:** Non applicable.

RUBRIQUE 3: Composition/informations sur les composants

- **3.1 Caractérisation chimique: Substances**
- **No CAS Désignation**
DDSA
- **Code(s) d'identification**
- **Numéro CE:** 247-781-6

RUBRIQUE 4: Premiers secours

- **4.1 Description des premiers secours**
- **Après inhalation:**
Donner de l'air frais en abondance et consulter un médecin pour plus de sécurité.
En cas d'inconscience, coucher et transporter la personne en position latérale stable.
- **Après contact avec la peau:** Laver immédiatement à l'eau et au savon et bien rincer.
- **Après contact avec les yeux:**
Rincer les yeux, pendant plusieurs minutes, sous l'eau courante en écartant bien les paupières. Si les troubles persistent, consulter un médecin.
- **Après ingestion:** Si les troubles persistent, consulter un médecin.
- **4.2 Principaux symptômes et effets, aigus et différés** Pas d'autres informations importantes disponibles.
- **4.3 Indication des éventuels soins médicaux immédiats et traitements particuliers nécessaires**
Pas d'autres informations importantes disponibles.

RUBRIQUE 5: Mesures de lutte contre l'incendie

- **5.1 Moyens d'extinction**
- **Moyens d'extinction:** Adapter les mesures d'extinction d'incendie à l'environnement.
- **5.2 Dangers particuliers résultant de la substance ou du mélange**
Pas d'autres informations importantes disponibles.
- **5.3 Conseils aux pompiers**
- **Équipement spécial de sécurité:** Aucune mesure particulière n'est requise.

RUBRIQUE 6: Mesures à prendre en cas de dispersion accidentelle

- **6.1 Précautions individuelles, équipement de protection et procédures d'urgence** Pas nécessaire.
- **6.2 Précautions pour la protection de l'environnement:**
En cas de pénétration dans les eaux ou les égouts, avertir les autorités compétentes.
Ne pas rejeter dans les canalisations, dans les eaux de surface et dans les nappes d'eau souterraines.

(suite page 3)

Fiche de données de sécurité

selon 1907/2006/CE, Article 31

Date d'impression : 16.09.2022

Révision: 16.09.2022

Nom du produit: DDSA

(suite de la page 2)

- **6.3 Méthodes et matériel de confinement et de nettoyage:**
Éliminer la matière collectée conformément au règlement.
- **6.4 Référence à d'autres rubriques**
Afin d'obtenir des informations pour une manipulation sûre, consulter le chapitre 7.
Afin d'obtenir des informations sur les équipements de protection personnels, consulter le chapitre 8.
Afin d'obtenir des informations sur l'élimination, consulter le chapitre 13.

RUBRIQUE 7: Manipulation et stockage

- **7.1 Précautions à prendre pour une manipulation sans danger**
Ouvrir et manipuler les récipients avec précaution.
- **Préventions des incendies et des explosions:** Tenir des appareils de protection respiratoire prêts.
- **7.2 Conditions d'un stockage sûr, y compris d'éventuelles incompatibilités**
- **Stockage:**
- **Exigences concernant les lieux et conteneurs de stockage:** Aucune exigence particulière.
- **Indications concernant le stockage commun:** Pas nécessaire.
- **Autres indications sur les conditions de stockage:** Tenir les emballages hermétiquement fermés.
- **7.3 Utilisation(s) finale(s) particulière(s)** Pas d'autres informations importantes disponibles.

RUBRIQUE 8: Contrôles de l'exposition/protection individuelle

- **8.1 Paramètres de contrôle**
- **Indications complémentaires pour l'agencement des installations techniques:**
Sans autre indication, voir point 7.
- **Composants présentant des valeurs-seuil à surveiller par poste de travail:** Néant
- **Remarques supplémentaires:**
Le présent document s'appuie sur les listes en vigueur au moment de son élaboration.
- **8.2 Contrôles de l'exposition**
- **Équipement de protection individuel:**
- **Mesures générales de protection et d'hygiène:**
Tenir à l'écart des produits alimentaires, des boissons et de la nourriture pour animaux.
Se laver les mains avant les pauses et en fin de travail.
Conserver à part les vêtements de protection.
Éviter tout contact avec les yeux.
Éviter tout contact avec les yeux et avec la peau.
- **Protection respiratoire:** N'est pas nécessaire.
- **Protection des mains:**



Gants de protection

- Le matériau des gants doit être imperméable et résistant au produit / à la substance / à la préparation.
À cause du manque de tests, aucune recommandation pour un matériau de gants pour le produit / la préparation / le mélange de produits chimiques ne peut être donnée.
Choix du matériau des gants en fonction des temps de pénétration, du taux de perméabilité et de la dégradation.
- **Matériau des gants**
Le choix de gants appropriés ne dépend pas seulement du matériau, mais également d'autres critères de qualité qui peuvent varier d'un fabricant à l'autre.
 - **Temps de pénétration du matériau des gants**
Le temps de pénétration exact est à déterminer par le fabricant des gants de protection et à respecter.

(suite page 4)

Fiche de données de sécurité

selon 1907/2006/CE, Article 31

Date d'impression : 16.09.2022

Révision: 16.09.2022

Nom du produit: DDSA

(suite de la page 3)

· Protection des yeux:



Lunettes de protection hermétiques

RUBRIQUE 9: Propriétés physiques et chimiques

· 9.1 Informations sur les propriétés physiques et chimiques essentielles

· Indications générales

· Aspect:

Forme: *Visqueuse*Couleur: *Jaunâtre*· Odeur: *Caractéristique*· Seuil olfactif: *Non déterminé.*· valeur du pH: *Non déterminé.*

· Changement d'état

Point de fusion/point de congélation: *-20 °C*Point initial d'ébullition et intervalle d'ébullition: *150 °C*· Point d'éclair *113 °C*· Inflammabilité (solide, gaz): *Non applicable.*· Température de décomposition: *Non déterminé.*· Température d'auto-inflammabilité: *Non déterminé.*· Propriétés explosives: *Le produit n'est pas explosif.*

· Limites d'explosion:

Inférieure: *Non déterminé.*Supérieure: *Non déterminé.*· Pression de vapeur à 20 °C: *0,765 hPa*· Densité à 20 °C: *1,005 g/cm³*· Densité relative *Non déterminé.*· Densité de vapeur: *Non déterminé.*· Taux d'évaporation: *Non applicable.*

· Solubilité dans/miscibilité avec

l'eau à 25 °C: *0,01 g/l*· Coefficient de partage: n-octanol/eau: *Non déterminé.*

· Viscosité:

Dynamique: *Non déterminé.*Cinématique: *Non déterminé.*· 9.2 Autres informations *Pas d'autres informations importantes disponibles.*

RUBRIQUE 10: Stabilité et réactivité

· 10.1 Réactivité *Pas d'autres informations importantes disponibles.*

(suite page 5)

Fiche de données de sécurité

selon 1907/2006/CE, Article 31

Date d'impression : 16.09.2022

Révision: 16.09.2022

Nom du produit: DDSA

(suite de la page 4)

- **10.2 Stabilité chimique**
- **Décomposition thermique/conditions à éviter:** Pas de décomposition en cas d'usage conforme.
- **10.3 Possibilité de réactions dangereuses** Aucune réaction dangereuse connue.
- **10.4 Conditions à éviter** Pas d'autres informations importantes disponibles.
- **10.5 Matières incompatibles:** Pas d'autres informations importantes disponibles.
- **10.6 Produits de décomposition dangereux:** Pas de produits de décomposition dangereux connus

RUBRIQUE 11: Informations toxicologiques

- **11.1 Informations sur les effets toxicologiques**
- **Toxicité aiguë** Compte tenu des données disponibles, les critères de classification ne sont pas remplis.
- **Effet primaire d'irritation:**
- **Corrosion cutanée/irritation cutanée**
Compte tenu des données disponibles, les critères de classification ne sont pas remplis.
- **Lésions oculaires graves/irritation oculaire**
Provoque une sévère irritation des yeux.
- **Sensibilisation respiratoire ou cutanée**
Peut provoquer une allergie cutanée.
- **Indications toxicologiques complémentaires:**
- **Effets CMR (cancérogène, mutagène et toxique pour la reproduction)**
- **Mutagénicité sur les cellules germinales**
Compte tenu des données disponibles, les critères de classification ne sont pas remplis.
- **Cancérogénicité** Compte tenu des données disponibles, les critères de classification ne sont pas remplis.
- **Toxicité pour la reproduction**
Compte tenu des données disponibles, les critères de classification ne sont pas remplis.
- **Toxicité spécifique pour certains organes cibles - exposition unique**
Compte tenu des données disponibles, les critères de classification ne sont pas remplis.
- **Toxicité spécifique pour certains organes cibles - exposition répétée**
Compte tenu des données disponibles, les critères de classification ne sont pas remplis.
- **Danger par aspiration** Compte tenu des données disponibles, les critères de classification ne sont pas remplis.

RUBRIQUE 12: Informations écologiques

- **12.1 Toxicité**
- **Toxicité aquatique:** Pas d'autres informations importantes disponibles.
- **12.2 Persistance et dégradabilité** Pas d'autres informations importantes disponibles.
- **12.3 Potentiel de bioaccumulation** Pas d'autres informations importantes disponibles.
- **12.4 Mobilité dans le sol** Pas d'autres informations importantes disponibles.
- **Autres indications écologiques:**
- **Indications générales:**
Catégorie de pollution des eaux 1 (D) (classification selon liste): peu polluant
Ne pas laisser le produit, non dilué ou en grande quantité, pénétrer la nappe phréatique, les eaux ou les canalisations.
- **12.5 Résultats des évaluations PBT et VPVB**
- **PBT:** Non applicable.
- **vPvB:** Non applicable.
- **12.6 Autres effets néfastes** Pas d'autres informations importantes disponibles.

FR

(suite page 6)

Fiche de données de sécurité

selon 1907/2006/CE, Article 31

Date d'impression : 16.09.2022

Révision: 16.09.2022

Nom du produit: DDSA

(suite de la page 5)

RUBRIQUE 13: Considérations relatives à l'élimination

- **13.1 Méthodes de traitement des déchets**
- **Recommandation:** Ne doit pas être évacué avec les ordures ménagères. Ne pas laisser pénétrer dans les égouts.
- **Emballages non nettoyés:**
- **Recommandation:** Evacuation conformément aux prescriptions légales.

RUBRIQUE 14: Informations relatives au transport

· 14.1 Numéro ONU · ADR, IMDG, IATA	néant
· 14.2 Désignation officielle de transport de l'ONU · ADR, IMDG, IATA	néant
· 14.3 Classe(s) de danger pour le transport · ADR, ADN, IMDG, IATA · Classe	néant
· 14.4 Groupe d'emballage · ADR, IMDG, IATA	néant
· 14.5 Dangers pour l'environnement:	Non applicable.
· 14.6 Précautions particulières à prendre par l'utilisateur	Non applicable.
· 14.7 Transport en vrac conformément à l'annexe II de la convention Marpol et au recueil IBC	Non applicable.
· "Règlement type" de l'ONU:	néant

RUBRIQUE 15: Informations relatives à la réglementation

- **15.1 Réglementations/législation particulières à la substance ou au mélange en matière de sécurité, de santé et d'environnement**
- **Directive 2012/18/UE**
- **Substances dangereuses désignées - ANNEXE I** la substance n'est pas comprise
- **Directive 2011/65/UE relative à la limitation de l'utilisation de certaines substances dangereuses dans les équipements électriques et électroniques – Annexe II**
la substance n'est pas comprise
- **RÈGLEMENT (UE) 2019/1148**
- **Annexe I - PRÉCURSEURS D'EXPLOSIFS FAISANT L'OBJET DE RESTRICTIONS (Valeur limite maximale aux fins de l'octroi d'une licence en vertu de l'article 5, paragraphe 3)**
la substance n'est pas comprise
- **Annexe II - PRÉCURSEURS D'EXPLOSIFS DEVANT FAIRE L'OBJET D'UN SIGNALEMENT**
la substance n'est pas comprise
- **Règlement (CE) n° 273/2004 relatif aux précurseurs de drogues** la substance n'est pas comprise
- **Règlement (CE) n° 111/2005 fixant des règles pour la surveillance du commerce des précurseurs des drogues entre la Communauté et les pays tiers**
la substance n'est pas comprise

(suite page 7)

Fiche de données de sécurité
selon 1907/2006/CE, Article 31

Date d'impression : 16.09.2022

Révision: 16.09.2022

Nom du produit: DDSA

(suite de la page 6)

· 15.2 Évaluation de la sécurité chimique: Une évaluation de la sécurité chimique n'a pas été réalisée.**RUBRIQUE 16: Autres informations**

Ces indications sont fondées sur l'état actuel de nos connaissances, mais ne constituent pas une garantie quant aux propriétés du produit et ne donnent pas lieu à un rapport juridique contractuel.

· Acronymes et abréviations:

ADR: Accord relatif au transport international des marchandises dangereuses par route

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

Eye Irrit. 2: Lésions oculaires graves/irritation oculaire – Catégorie 2

Skin Sens. 1: Sensibilisation cutanée – Catégorie 1

Aquatic Chronic 4: Dangers pour le milieu aquatique- toxicité à long terme pour le milieu aquatique – Catégorie 4

FR

Sicherheitsdatenblatt

gemäß 1907/2006/EG, Artikel 31

Druckdatum: 16.09.2022

überarbeitet am: 16.09.2022

ABSCHNITT 1: Bezeichnung des Stoffs beziehungsweise des Gemischs und des Unternehmens

· **1.1 Produktidentifikator**

· **Handelsname:** DDSA

· **Artikelnummer:** 13700, 13701

· **EG-Nummer:**

247-781-6

· **1.2 Relevante identifizierte Verwendungen des Stoffs oder Gemischs und Verwendungen, von denen abgeraten wird**

Keine weiteren relevanten Informationen verfügbar.

· **Verwendung des Stoffs / des Gemisches** Laborchemikalien

· **1.3 Einzelheiten zum Lieferanten, der das Sicherheitsdatenblatt bereitstellt**

· **Hersteller/Lieferant:**

Electron Microscopy Sciences

1560 Industry Road

USA-Hatfield, PA 19440

Tel: 215-412-8400 Fax: 215-412-8450

email: info@emsdiasum.com

www.emsdiasum.com

Science Services GmbH

Unterhachinger Str. 75

81737 München Germany

Tel: +49(0)89 18 93 668-0

safety@scienceservices.de

Deutschland: +49 (0)89 19240, 24h Giftnotruf Munchen, www.toxinfo.org

Osterreich: +43 1406 43 43, Gesundheit Osterreich GmbH, 24 h

· **Auskunftgebender Bereich:** Product safety department

· **1.4 Notrufnummer:**

ChemTrec 1-800-424-9300 Contract CCN7661

1-703-527-3887

ABSCHNITT 2: Mögliche Gefahren

· **2.1 Einstufung des Stoffs oder Gemischs**

· **Einstufung gemäß Verordnung (EG) Nr. 1272/2008**



GHS07

Eye Irrit. 2 H319 Verursacht schwere Augenreizung.

Skin Sens. 1 H317 Kann allergische Hautreaktionen verursachen.

Aquatic Chronic 4 H413 Kann für Wasserorganismen schädlich sein, mit langfristiger Wirkung.

· **2.2 Kennzeichnungselemente**

· **Kennzeichnung gemäß Verordnung (EG) Nr. 1272/2008**

Der Stoff ist gemäß CLP-Verordnung eingestuft und gekennzeichnet.

(Fortsetzung auf Seite 2)

Sicherheitsdatenblatt

gemäß 1907/2006/EG, Artikel 31

Druckdatum: 16.09.2022

überarbeitet am: 16.09.2022

Handelsname: DDSA

(Fortsetzung von Seite 1)

· Gefahrenpiktogramme



GHS07

· Signalwort Achtung

· Gefahrenhinweise

H319 Verursacht schwere Augenreizung.

H317 Kann allergische Hautreaktionen verursachen.

H413 Kann für Wasserorganismen schädlich sein, mit langfristiger Wirkung.

· Sicherheitshinweise

P261 Einatmen von Staub/Rauch/Gas/Nebel/Dampf/Aerosol vermeiden.

P273 Freisetzung in die Umwelt vermeiden.

P280 Schutzhandschuhe / Augenschutz / Gesichtsschutz tragen.

P305+P351+P338 **BEI KONTAKT MIT DEN AUGEN:** Einige Minuten lang behutsam mit Wasser spülen. Eventuell vorhandene Kontaktlinsen nach Möglichkeit entfernen. Weiter spülen.

P333+P313 Bei Hautreizung oder -ausschlag: Ärztlichen Rat einholen/ärztliche Hilfe hinzuziehen.

P501 Entsorgung des Inhalts / des Behälters gemäß den örtlichen / regionalen / nationalen / internationalen Vorschriften.

· 2.3 Sonstige Gefahren

· Ergebnisse der PBT- und vPvB-Beurteilung

· **PBT:** Nicht anwendbar.

· **vPvB:** Nicht anwendbar.

ABSCHNITT 3: Zusammensetzung/Angaben zu Bestandteilen

· 3.1 Chemische Charakterisierung: Stoffe

· CAS-Nr. Bezeichnung

DDSA

· Identifikationsnummer(n)

· **EG-Nummer:** 247-781-6

ABSCHNITT 4: Erste-Hilfe-Maßnahmen

· 4.1 Beschreibung der Erste-Hilfe-Maßnahmen

· Nach Einatmen:

Reichlich Frischluftzufuhr und sicherheitshalber Arzt aufsuchen.

Bei Bewusstlosigkeit Lagerung und Transport in stabiler Seitenlage.

· Nach Hautkontakt: Sofort mit Wasser und Seife abwaschen und gut nachspülen.

· Nach Augenkontakt:

Augen mehrere Minuten bei geöffnetem Lidspalt unter fließendem Wasser spülen. Bei anhaltenden Beschwerden Arzt konsultieren.

· Nach Verschlucken: Bei anhaltenden Beschwerden Arzt konsultieren.

· 4.2 Wichtigste akute und verzögert auftretende Symptome und Wirkungen

Keine weiteren relevanten Informationen verfügbar.

· 4.3 Hinweise auf ärztliche Soforthilfe oder Spezialbehandlung

Keine weiteren relevanten Informationen verfügbar.

DE

(Fortsetzung auf Seite 3)

Sicherheitsdatenblatt

gemäß 1907/2006/EG, Artikel 31

Druckdatum: 16.09.2022

überarbeitet am: 16.09.2022

Handelsname: DDSA

(Fortsetzung von Seite 2)

ABSCHNITT 5: Maßnahmen zur Brandbekämpfung

- **5.1 Löschmittel**
- **Geeignete Löschmittel:** Feuerlöschmaßnahmen auf die Umgebung abstimmen.
- **5.2 Besondere vom Stoff oder Gemisch ausgehende Gefahren**
Keine weiteren relevanten Informationen verfügbar.
- **5.3 Hinweise für die Brandbekämpfung**
- **Besondere Schutzausrüstung:** Keine besonderen Maßnahmen erforderlich.

ABSCHNITT 6: Maßnahmen bei unbeabsichtigter Freisetzung

- **6.1 Personenbezogene Vorsichtsmaßnahmen, Schutzausrüstungen und in Notfällen anzuwendende Verfahren**
Nicht erforderlich.
- **6.2 Umweltschutzmaßnahmen:**
Bei Eindringen in Gewässer oder Kanalisation zuständige Behörden benachrichtigen.
Nicht in die Kanalisation/Oberflächenwasser/Grundwasser gelangen lassen.
- **6.3 Methoden und Material für Rückhaltung und Reinigung:**
Das aufgenommene Material vorschriftsmäßig entsorgen.
- **6.4 Verweis auf andere Abschnitte**
Informationen zur sicheren Handhabung siehe Abschnitt 7.
Informationen zur persönlichen Schutzausrüstung siehe Abschnitt 8.
Informationen zur Entsorgung siehe Abschnitt 13.

ABSCHNITT 7: Handhabung und Lagerung

- **7.1 Schutzmaßnahmen zur sicheren Handhabung Behälter mit Vorsicht öffnen und handhaben.**
- **Hinweise zum Brand- und Explosionsschutz:** Atemschutzgeräte bereithalten.
- **7.2 Bedingungen zur sicheren Lagerung unter Berücksichtigung von Unverträglichkeiten**
- **Lagerung:**
- **Anforderung an Lagerräume und Behälter:** Keine besonderen Anforderungen.
- **Zusammenlagerungshinweise:** Nicht erforderlich.
- **Weitere Angaben zu den Lagerbedingungen:** Behälter dicht geschlossen halten.
- **Lagerklasse:**
- **Klassifizierung nach Betriebsicherheitsverordnung (BetrSichV):** -
- **7.3 Spezifische Endanwendungen** Keine weiteren relevanten Informationen verfügbar.

ABSCHNITT 8: Begrenzung und Überwachung der Exposition/Persönliche Schutzausrüstungen

- **8.1 Zu überwachende Parameter**
- **Zusätzliche Hinweise zur Gestaltung technischer Anlagen:** Keine weiteren Angaben, siehe Abschnitt 7.
- **Bestandteile mit arbeitsplatzbezogenen, zu überwachenden Grenzwerten:** Entfällt.
- **Zusätzliche Hinweise:** Als Grundlage dienen die bei der Erstellung gültigen Listen.
- **8.2 Begrenzung und Überwachung der Exposition**
- **Persönliche Schutzausrüstung:**
- **Allgemeine Schutz- und Hygienemaßnahmen:**
Von Nahrungsmitteln, Getränken und Futtermitteln fernhalten.
Vor den Pausen und bei Arbeitsende Hände waschen.
Getrennte Aufbewahrung der Schutzkleidung.
Berührung mit den Augen vermeiden.

(Fortsetzung auf Seite 4)

Sicherheitsdatenblatt

gemäß 1907/2006/EG, Artikel 31

Druckdatum: 16.09.2022

überarbeitet am: 16.09.2022

Handelsname: DDSA

(Fortsetzung von Seite 3)

Berührung mit den Augen und der Haut vermeiden.

- **Atemschutz:** Nicht erforderlich.
- **Handschutz:**



Schutzhandschuhe

Das Handschuhmaterial muss undurchlässig und beständig gegen das Produkt / den Stoff / die Zubereitung sein. Aufgrund fehlender Tests kann keine Empfehlung zum Handschuhmaterial für das Produkt / die Zubereitung / das Chemikaliengemisch abgegeben werden.

Auswahl des Handschuhmaterials unter Beachtung der Durchbruchzeiten, Permeationsraten und der Degradation.

- **Handschuhmaterial**

Die Auswahl eines geeigneten Handschuhs ist nicht nur vom Material, sondern auch von weiteren Qualitätsmerkmalen abhängig und von Hersteller zu Hersteller unterschiedlich.

- **Durchdringungszeit des Handschuhmaterials**

Die genaue Durchbruchzeit ist beim Schutzhandschuhhersteller zu erfahren und einzuhalten.

- **Augenschutz:**



Dichtschließende Schutzbrille

ABSCHNITT 9: Physikalische und chemische Eigenschaften

- **9.1 Angaben zu den grundlegenden physikalischen und chemischen Eigenschaften**

- **Allgemeine Angaben**

- **Aussehen:**

Form:	Zähflüssig
Farbe:	Gelblich
Geruch:	Charakteristisch
Geruchsschwelle:	Nicht bestimmt.

- **pH-Wert:** Nicht bestimmt.

- **Zustandsänderung**

Schmelzpunkt/Gefrierpunkt:	-20 °C
Siedebeginn und Siedebereich:	150 °C

- **Flammpunkt:** 113 °C

- **Entzündbarkeit (fest, gasförmig):** Nicht anwendbar.

- **Zersetzungstemperatur:** Nicht bestimmt.

- **Selbstentzündungstemperatur:** Nicht bestimmt.

- **Explosive Eigenschaften:** Das Produkt ist nicht explosionsgefährlich.

- **Explosionsgrenzen:**

Untere:	Nicht bestimmt.
Obere:	Nicht bestimmt.

- **Dampfdruck bei 20 °C:** 0,765 hPa

- **Dichte bei 20 °C:** 1,005 g/cm³

(Fortsetzung auf Seite 5)

Sicherheitsdatenblatt

gemäß 1907/2006/EG, Artikel 31

Druckdatum: 16.09.2022

überarbeitet am: 16.09.2022

Handelsname: DDSA

(Fortsetzung von Seite 4)

· Relative Dichte	Nicht bestimmt.
· Dampfdichte	Nicht bestimmt.
· Verdampfungsgeschwindigkeit	Nicht anwendbar.
· Löslichkeit in / Mischbarkeit mit Wasser bei 25 °C:	0,01 g/l
· Verteilungskoeffizient: n-Octanol/Wasser:	Nicht bestimmt.
· Viskosität:	
Dynamisch:	Nicht bestimmt.
Kinematisch:	Nicht bestimmt.
· 9.2 Sonstige Angaben	Keine weiteren relevanten Informationen verfügbar.

ABSCHNITT 10: Stabilität und Reaktivität

- **10.1 Reaktivität** Keine weiteren relevanten Informationen verfügbar.
- **10.2 Chemische Stabilität**
- **Thermische Zersetzung / zu vermeidende Bedingungen:**
Keine Zersetzung bei bestimmungsgemäßer Verwendung.
- **10.3 Möglichkeit gefährlicher Reaktionen** Keine gefährlichen Reaktionen bekannt.
- **10.4 Zu vermeidende Bedingungen** Keine weiteren relevanten Informationen verfügbar.
- **10.5 Unverträgliche Materialien:** Keine weiteren relevanten Informationen verfügbar.
- **10.6 Gefährliche Zersetzungsprodukte:** Keine gefährlichen Zersetzungsprodukte bekannt.

ABSCHNITT 11: Toxikologische Angaben

- **11.1 Angaben zu toxikologischen Wirkungen**
- **Akute Toxizität** Aufgrund der verfügbaren Daten sind die Einstufungskriterien nicht erfüllt.
- **Primäre Reizwirkung:**
- **Ätz-/Reizwirkung auf die Haut** Aufgrund der verfügbaren Daten sind die Einstufungskriterien nicht erfüllt.
- **Schwere Augenschädigung/-reizung**
Verursacht schwere Augenreizung.
- **Sensibilisierung der Atemwege/Haut**
Kann allergische Hautreaktionen verursachen.
- **Zusätzliche toxikologische Hinweise:**
- **CMR-Wirkungen (krebserzeugende, erbgutverändernde und fortpflanzungsgefährdende Wirkung)**
- **Keimzell-Mutagenität** Aufgrund der verfügbaren Daten sind die Einstufungskriterien nicht erfüllt.
- **Karzinogenität** Aufgrund der verfügbaren Daten sind die Einstufungskriterien nicht erfüllt.
- **Reproduktionstoxizität** Aufgrund der verfügbaren Daten sind die Einstufungskriterien nicht erfüllt.
- **Spezifische Zielorgan-Toxizität bei einmaliger Exposition**
Aufgrund der verfügbaren Daten sind die Einstufungskriterien nicht erfüllt.
- **Spezifische Zielorgan-Toxizität bei wiederholter Exposition**
Aufgrund der verfügbaren Daten sind die Einstufungskriterien nicht erfüllt.
- **Aspirationsgefahr** Aufgrund der verfügbaren Daten sind die Einstufungskriterien nicht erfüllt.

ABSCHNITT 12: Umweltbezogene Angaben

- **12.1 Toxizität**
- **Aquatische Toxizität:** Keine weiteren relevanten Informationen verfügbar.
- **12.2 Persistenz und Abbaubarkeit** Keine weiteren relevanten Informationen verfügbar.

(Fortsetzung auf Seite 6)

Sicherheitsdatenblatt

gemäß 1907/2006/EG, Artikel 31

Druckdatum: 16.09.2022

überarbeitet am: 16.09.2022

Handelsname: DDSA

(Fortsetzung von Seite 5)

- **12.3 Bioakkumulationspotenzial** Keine weiteren relevanten Informationen verfügbar.
- **12.4 Mobilität im Boden** Keine weiteren relevanten Informationen verfügbar.
- **Weitere ökologische Hinweise:**
- **Allgemeine Hinweise:**
Wassergefährdungsklasse 1 (Listeneinstufung): schwach wassergefährdend
Nicht unverdünnt bzw. in größeren Mengen in das Grundwasser, in Gewässer oder in die Kanalisation gelangen lassen.
- **12.5 Ergebnisse der PBT- und vPvB-Beurteilung**
- **PBT:** Nicht anwendbar.
- **vPvB:** Nicht anwendbar.
- **12.6 Andere schädliche Wirkungen** Keine weiteren relevanten Informationen verfügbar.

ABSCHNITT 13: Hinweise zur Entsorgung

- **13.1 Verfahren der Abfallbehandlung**
- **Empfehlung:** Darf nicht zusammen mit Hausmüll entsorgt werden. Nicht in die Kanalisation gelangen lassen.
- **Ungereinigte Verpackungen:**
- **Empfehlung:** Entsorgung gemäß den behördlichen Vorschriften.

ABSCHNITT 14: Angaben zum Transport

· 14.1 UN-Nummer	entfällt
· ADR, IMDG, IATA	entfällt
· 14.2 Ordnungsgemäße UN-Versandbezeichnung	entfällt
· ADR, IMDG, IATA	entfällt
· 14.3 Transportgefahrenklassen	entfällt
· ADR, ADN, IMDG, IATA	entfällt
· Klasse	entfällt
· 14.4 Verpackungsgruppe	entfällt
· ADR, IMDG, IATA	entfällt
· 14.5 Umweltgefahren:	Nicht anwendbar.
· 14.6 Besondere Vorsichtsmaßnahmen für den Verwender	Nicht anwendbar.
· 14.7 Massengutbeförderung gemäß Anhang II des MARPOL-Übereinkommens und gemäß IBC-Code	Nicht anwendbar.
· UN "Model Regulation":	entfällt

ABSCHNITT 15: Rechtsvorschriften

- **15.1 Vorschriften zu Sicherheit, Gesundheits- und Umweltschutz/spezifische Rechtsvorschriften für den Stoff oder das Gemisch**
- **Richtlinie 2012/18/EU**
- **Namentlich aufgeführte gefährliche Stoffe - ANHANG I** Der Stoff ist nicht enthalten.
- **Richtlinie 2011/65/EU zur Beschränkung der Verwendung bestimmter gefährlicher Stoffe in Elektro- und Elektronikgeräten – Anhang II**
Der Stoff ist nicht enthalten.

(Fortsetzung auf Seite 7)

Sicherheitsdatenblatt
gemäß 1907/2006/EG, Artikel 31

Druckdatum: 16.09.2022

überarbeitet am: 16.09.2022

Handelsname: DDSA

(Fortsetzung von Seite 6)

- **VERORDNUNG (EU) 2019/1148**
- **Anhang I - BESCHRÄNKTE AUSGANGSSTOFFE FÜR EXPLOSIVSTOFFE (Oberer Konzentrationsgrenzwert für eine Genehmigung nach Artikel 5 Absatz 3)**
Der Stoff ist nicht enthalten.
- **Anhang II - MELDEPFLICHTIGE AUSGANGSSTOFFE FÜR EXPLOSIVSTOFFE**
Der Stoff ist nicht enthalten.
- **Verordnung (EG) Nr. 273/2004 betreffend Drogenausgangsstoffe** Der Stoff ist nicht enthalten.
- **Verordnung (EG) Nr. 111/2005 zur Festlegung von Vorschriften für die Überwachung des Handels mit Drogenaustauschstoffen zwischen der Gemeinschaft und Drittländern**
Der Stoff ist nicht enthalten.
- **Nationale Vorschriften:**
- **Wassergefährdungsklasse: WGK 1 (Listeneinstufung):** schwach wassergefährdend.
- **15.2 Stoffsicherheitsbeurteilung:** Eine Stoffsicherheitsbeurteilung wurde nicht durchgeführt.

ABSCHNITT 16: Sonstige Angaben

Die Angaben stützen sich auf den heutigen Stand unserer Kenntnisse, sie stellen jedoch keine Zusicherung von Produkteigenschaften dar und begründen kein vertragliches Rechtsverhältnis.

· **Abkürzungen und Akronyme:**

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

Eye Irrit. 2: Schwere Augenschädigung/Augenreizung – Kategorie 2

Skin Sens. 1: Sensibilisierung der Haut – Kategorie 1

Aquatic Chronic 4: Gewässergefährdend - langfristig gewässergefährdend – Kategorie 4

Δελτίο δεδομένων ασφαλείας σύμφωνα με το 1907/2006/ΕΚ, Άρθρο 31

Ημερομηνία εκτύπωσης: 16.09.2022

Αναθεώρηση: 16.09.2022

ΤΜΗΜΑ 1: Αναγνωριστικός κωδικός ουσίας/μείγματος και εταιρείας/επιχείρησης

- **1.1 Αναγνωριστικός κωδικός προϊόντος**
- **Όνομασία του προϊόντος στο εμπόριο: DDSA**
- **Αριθμός προϊόντος: 13700, 13701**
- **Αριθμός EC:**
247-781-6
- **1.2 Συναφείς προσδιοριζόμενες χρήσεις της ουσίας ή του μείγματος και αντενδεικνυόμενες χρήσεις**
Δεν υπάρχουν άλλες διαθέσιμες σχετικές πληροφορίες.
- **Χρήση του υλικού / του μείγματος** Χημικά εργαστηρίου
- **1.3 Στοιχεία του προμηθευτή του δελτίου δεδομένων ασφαλείας**
- **Παραγωγός/προμηθευτής:**
Electron Microscopy Sciences
1560 Industry Road
USA-Hatfield, PA 19440
Tel: 215-412-8400 Fax: 215-412-8450
email: info@emsdiasum.com
www.emsdiasum.com
- **Παροχή πληροφοριών: Product safety department**
- **1.4 Αριθμός τηλεφώνου επείγουσας ανάγκης:**
ChemTrec 1-800-424-9300 Contract CCN7661
1-703-527-3887

ΤΜΗΜΑ 2: Προσδιορισμός επικινδυνότητας

- **2.1 Ταξινόμηση της ουσίας ή του μείγματος**
- **Ταξινόμηση σύμφωνα με τον κανονισμό (ΕΚ) αριθ. 1272/2008**



GHS07

- Eye Irrit. 2 H319 Προκαλεί σοβαρό οφθαλμικό ερεθισμό.
Skin Sens. 1 H317 Μπορεί να προκαλέσει αλλεργική δερματική αντίδραση.
Aquatic Chronic 4 H413 Μπορεί να προκαλέσει μακροχρόνιες επιπτώσεις στους υδρόβιους οργανισμούς.

- **2.2 Στοιχεία επισήμανσης**
- **Επισήμανση σύμφωνα με τον κανονισμό (ΕΚ) αριθ. 1272/2008**
Η ουσία ταξινομείται και επισημαίνεται σύμφωνα με τον κανονισμό CLP.
- **Εικονογράμματα κινδύνου**



GHS07

- **Προειδοποιητική λέξη Προσοχή**
- **Δηλώσεις επικινδυνότητας**
H319 Προκαλεί σοβαρό οφθαλμικό ερεθισμό.
H317 Μπορεί να προκαλέσει αλλεργική δερματική αντίδραση.
H413 Μπορεί να προκαλέσει μακροχρόνιες επιπτώσεις στους υδρόβιους οργανισμούς.
- **Δηλώσεις προφυλάξεων**
P261 Αποφεύγετε να αναπνέετε σκόνη/αναθυμιάσεις/αέρια/σταγονίδια/ατμούς/εκνεφώματα.
P273 Να αποφεύγεται η ελευθέρωση στο περιβάλλον.

(συνέχεια στη σελίδα 2)

Δελτίο δεδομένων ασφαλείας σύμφωνα με το 1907/2006/ΕΚ, Άρθρο 31

Ημερομηνία εκτύπωσης: 16.09.2022

Αναθεώρηση: 16.09.2022

Όνομασία του προϊόντος στο εμπόριο: DDSA

- (συνέχεια από τη σελίδα 1)
- P280 Να φοράτε προστατευτικά γάντια / μέσα ατομικής προστασίας για τα μάτια / μέσα ατομικής προστασίας για το πρόσωπο.
- P305+P351+P338 ΣΕ ΠΕΡΙΠΤΩΣΗ ΕΠΑΦΗΣ ΜΕ ΤΑ ΜΑΤΙΑ: Ξεπλύνετε προσεκτικά με νερό για αρκετά λεπτά. Αν υπάρχουν φακοί επαφής, αφαιρέστε τους, αν είναι εύκολο. Συνεχίστε να ξεπλένετε.
- P333+P313 Εάν παρατηρηθεί ερεθισμός του δέρματος ή εμφανιστεί εξάνθημα: Συμβουλευθείτε/Επισκεφθείτε γιατρό.
- P501 Απορρίψτε τα περιεχόμενα/δοχείο σύμφωνα με τους τοπικούς/εθνικούς/διεθνείς κανονισμούς.
- 2.3 Άλλοι κίνδυνοι
 - Αποτελέσματα της αξιολόγησης ABT και αΑαB
 - ABT: Μη χρησιμοποιήσιμο
 - ΑΑαB: Μη χρησιμοποιήσιμο

ΤΜΗΜΑ 3: Σύνθεση/πληροφορίες για τα συστατικά

- 3.1 Χημικός καθορισμός: Ουσίες
- Αριθ. CAS, όνομα
DDSA
- Αριθμός(οί) ταυτότητας προϊόντος
- Αριθμός EC: 247-781-6

ΤΜΗΜΑ 4: Μέτρα πρώτων βοηθειών

- 4.1 Περιγραφή των μέτρων πρώτων βοηθειών
- Μετά από εισπνοή:
Απαραίτητος ο καθαρός αέρας και για βεβαιότητα συμβουλευτείτε γιατρό.
Σε περίπτωση λιποθυμίας επιβάλλεται κατάκλιση και μεταφορά σε σταθερή πλάγια θέση.
- Μετά από επαφή με το δέρμα: Ξεπλυθείτε αμέσως με νερό και σαπούνι και πολύ καλό ξέπλυμα.
- μετά από επαφή με τα μάτια:
Να πλύνετε τα μάτια κάτω από τρεχούμενο νερό αρκετή ώρα και ανοιχτά τα βλέφαρα. Αν συνεχίζονται οι ενοχλήσεις συμβουλευτείτε τον γιατρό.
- μετά από κατάποση: Εάν διαρκούν οι ενοχλήσεις συμβουλευτείτε γιατρό.
- 4.2 Σημαντικότερα συμπτώματα και επιδράσεις, άμεσες ή μεταγενέστερες
Δεν διατίθενται άλλες σχετικές πληροφορίες.
- 4.3 Ένδειξη οποιασδήποτε απαιτούμενης άμεσης ιατρικής φροντίδας και ειδικής θεραπείας
Δεν διατίθενται άλλες σχετικές πληροφορίες.

ΤΜΗΜΑ 5: Μέτρα για την καταπολέμηση της πυρκαγιάς

- 5.1 Πυροσβεστικά μέσα
- Κατάλληλα πυροσβεστικά μέσα. Τα μέτρα κατασβέσεως της φωτιάς εναρμονίζονται με τα περιεχόμενα.
- 5.2 Ειδικοί κίνδυνοι που προκύπτουν από την ουσία ή το μείγμα Δεν διατίθενται άλλες σχετικές πληροφορίες.
- 5.3 Συστάσεις για τους πυροσβέστες
- Ειδικός προστατευτικός εξοπλισμός: Δεν απαιτούνται ιδιαίτερα μέτρα.

ΤΜΗΜΑ 6: Μέτρα για την αντιμετώπιση τυχαίας έκλυσης

- 6.1 Προσωπικές προφυλάξεις, προστατευτικός εξοπλισμός και διαδικασίες έκτακτης ανάγκης
Δεν είναι απαραίτητο.
- 6.2 Περιβαλλοντικές προφυλάξεις:
Σε περίπτωση διοχέτευσης στο υδάτινο περιβάλλον ή στην αποχέτευση ειδοποιήστε τις αρμόδιες Αρχές.
Μην το αδειάζετε στην αποχέτευση και επιφάνειες υδάτων. Δεν πρέπει να διεισδύσει στα γήινα νερά.

(συνέχεια στη σελίδα 3)

Δελτίο δεδομένων ασφαλείας

σύμφωνα με το 1907/2006/ΕΚ, Άρθρο 31

Ημερομηνία εκτύπωσης: 16.09.2022

Αναθεώρηση: 16.09.2022

Όνομασία του προϊόντος στο εμπόριο: DDSA

(συνέχεια από τη σελίδα 2)

- **6.3 Μέθοδοι και υλικά για περιορισμό και καθαρισμό:** Το συλλεγμένο υλικό να απορρίπτεται όπως προβλέπεται.
- **6.4 Παραπομπή σε άλλα τμήματα**
Πληροφορίες για τον σίγουρο χειρισμό βλέπε κεφάλαιο 7.
Πληροφορίες για τον ατομικό προστατευτικό εξοπλισμό βρείτε στο κεφάλαιο 8.
Πληροφορίες για την εναποθέτηση βλέπε κεφάλαιο 13.

ΤΜΗΜΑ 7: Χειρισμός και αποθήκευση

- **7.1 Προφυλάξεις για ασφαλή χειρισμό Προσοχή** στο χειρισμό και στο άνοιγμα των δοχείων.
- **Οδηγίες για τον τρόπο προστασίας κατά της πυρκαϊάς και έκρηξης:**
Να έχετε έτοιμες τις αναπνευστικές συσκευές.
- **7.2 Συνθήκες ασφαλούς φύλαξης, συμπεριλαμβανομένων τυχόν ασυμβίβαστων καταστάσεων**
- **Αποθήκευση:**
- **Απαιτήσεις για τους χώρους αποθήκευσης και τους περιέκτες** Καμία ειδική αξίωση.
- **Υποδείξεις συναποθήκευσης:** δεν απαιτείται
- **Περαιτέρω δηλώσεις για τους όρους αποθήκευσης:** Να διατηρείται σε καλά κλεισμένο δοχείο.
- **7.3 Ειδική τελική χρήση ή χρήσεις** Δεν είναι διαθέσιμες άλλες σχετικές πληροφορίες.

ΤΜΗΜΑ 8: Έλεγχος της έκθεσης/ατομική προστασία

- **8.1 Παράμετροι ελέγχου**
- **Συμπληρωματικές υποδείξεις για τη διαμόρφωση των τεχνικών εγκαταστάσεων:**
Καμία άλλη σύσταση, βλέπε κεφάλαιο 7.
- **Στατικά στοιχεία με οροθετικές τιμές αφορούσες τον τόπο εργασίας και που οφείλουν να επιτηρούνται:**
Δεν υπάρχει.
- **Συμπληρωματικές υποδείξεις:**
Σαν βάση χρησιμοποιήθηκαν οι ισχύοντες κατάλογοι που ίσχυαν κατά την παραγωγή.
- **8.2 Έλεγχοι έκθεσης**
- **Ατομικός εξοπλισμός προστασίας:**
- **Γενικά μέτρα προστασίας και υγιεινής:**
Μακρινά από τρόφιμα, ποτά και ζωοτροφές.
Να πλένετε τα χέρια προ του διαλείμματος και στο τέλος της εργασίας.
Να τοποθετείτε τη προστατευτική ενδυμασία σε ξεχωριστό σημείο.
Να αποφεύγετε την επαφή με τα μάτια.
Να αποφεύγετε την επαφή με τα μάτια και το δέρμα.
- **Αναπνευστική προστασία** Δεν είναι απαραίτητο
- **Προστασία για τα χέρια:**



Προστατευτικά γάντια.

Το υλικό των γαντιών θα πρέπει να είναι μη διαπερατό και ανθεκτικό έναντι του προϊόντος / του υλικού / του παρασκευάσματος.

Λόγω μη πραγματοποιήσιμων δοκιμών δεν μπορεί να προταθεί κανένα υλικό γαντιών για το προϊόν / το παρασκεύασμα / το χημικό μείγμα.

Επιλέξτε το υλικό του γαντιού λαμβάνοντας υπ' όψη τους χρόνους διέλευσης, το βαθμό διαπερατότητας και την υποβάθμιση.

- **Υλικό γαντιών**

Η επιλογή του κατάλληλου γαντιού δεν εξαρτάται μόνον από το υλικό, αλλά και τα επιπλέον χαρακτηριστικά ποιότητας, τα οποία διαφέρουν ανάλογα με τον κατασκευαστή.

(συνέχεια στη σελίδα 4)

Δελτίο δεδομένων ασφαλείας
σύμφωνα με το 1907/2006/ΕΚ, Άρθρο 31

Ημερομηνία εκτύπωσης: 16.09.2022

Αναθεώρηση: 16.09.2022

Όνομασία του προϊόντος στο εμπόριο: DDSA

(συνέχεια από τη σελίδα 3)

- **Χρόνος διείσδυσης του υλικού γαντιών**
Ο ακριβής χρόνος διέλευσης ανακοινώνεται από τον κατασκευαστή των προστατευτικών γαντιών και θα πρέπει να τηρείται πάντοτε.
- **Προστασία για τα μάτια:**



Προστατευτικά γυαλιά απολύτως εφαρμοστά.

ΤΜΗΜΑ 9: Φυσικές και χημικές ιδιότητες

- **9.1 Στοιχεία για τις βασικές φυσικές και χημικές ιδιότητες**
- **Γενικές πληροφορίες**
- **Όψη:**
 - **Μορφή:** πυκνόρρευστο
 - **Χρώμα:** κιτρινωπό
- **Οσμή:** χαρακτηριστική
- **Όριο οσμής:** Μη καθορισμένο.
- **Τιμή pH:** Μη καθορισμένο.
- **Μεταβολή της κατάστασης.**
 - **Σημείο τήξεως/σημείο πήξεως:** -20 °C
 - **Αρχικό σημείο ζέσεως και περιοχή ζέσεως:** 150 °C
- **Σημείο ανάφλεξης:** 113 °C
- **Αναφλεξιμότητα (στερεό, αέριο):** Μη χρησιμοποιήσιμο
- **Θερμοκρασία αποσύνθεσης:** Μη καθορισμένο.
- **Θερμοκρασία αυτοανάφλεξης:** Μη καθορισμένο.
- **Εκρηκτικές ιδιότητες:** Δεν υφίσταται κίνδυνος εκρήξεως του προϊόντος.
- **Όρια κινδύνου εκρήξεως:**
 - **κατώτερα:** Μη καθορισμένο.
 - **ανώτερα:** Μη καθορισμένο.
- **Πίεση ατμών σε 20 °C:** 0,765 hPa
- **Πυκνότητα σε 20 °C:** 1,005 g/cm³
- **Σχετική πυκνότητα** Μη καθορισμένο.
- **Πυκνότητα ατμών** Μη καθορισμένο.
- **Ταχύτητα εξάτμισης:** Μη χρησιμοποιήσιμο
- **Διαλυτότητα σε / αναμειζιμον με νερό σε 25 °C:** 0,01 g/l
- **Συντελεστής κατανομής: n-οκτανόλη/νερό:** Μη καθορισμένο.
- **Ιξώδες:**
 - **δυναμική:** Μη καθορισμένο.
 - **κινηματική:** Μη καθορισμένο.
- **9.2 Άλλες πληροφορίες** Δε διατίθενται άλλες σχετικές πληροφορίες.

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(συνέχεια στη σελίδα 5)

Δελτίο δεδομένων ασφαλείας σύμφωνα με το 1907/2006/ΕΚ, Άρθρο 31

Ημερομηνία εκτύπωσης: 16.09.2022

Αναθεώρηση: 16.09.2022

Ονομασία του προϊόντος στο εμπόριο: **DDSA**

(συνέχεια από τη σελίδα 4)

ΤΜΗΜΑ 10: Σταθερότητα και αντιδραστικότητα

- **10.1 Δραστικότητα** Δεν διατίθενται άλλες σχετικές πληροφορίες.
- **10.2 Χημική σταθερότητα**
- **Θερμική αποσύνθεση / Όροι που πρέπει να αποφεύγονται:**
Δεν αποσυντίθεται αν η χρησιμοποίησή του γίνεται κανονικά.
- **10.3 Πιθανότητα επικίνδυνων αντιδράσεων** Δεν είναι γνωστή καμία επικίνδυνη αντίδραση.
- **10.4 Συνθήκες προς αποφυγή** Δεν διατίθενται άλλες σχετικές πληροφορίες.
- **10.5 Μη συμβατά υλικά:** Δεν διατίθενται άλλες σχετικές πληροφορίες.
- **10.6 Επικίνδυνα προϊόντα αποσύνθεσης:** Δεν είναι γνωστά επικίνδυνα προϊόντα διάσπασης.

ΤΜΗΜΑ 11: Τοξικολογικές πληροφορίες

- **11.1 Πληροφορίες για τις τοξικολογικές επιπτώσεις**
- **Οξεία τοξικότητα** Βάσει των διαθέσιμων δεδομένων, τα κριτήρια ταξινόμησης δεν πληρούνται.
- **Αρχική ερεθιστική ενέργεια:**
- **Διάβρωση και ερεθισμός του δέρματος**
Βάσει των διαθέσιμων δεδομένων, τα κριτήρια ταξινόμησης δεν πληρούνται.
- **Σοβαρή βλάβη/ερεθισμός των ματιών**
Προκαλεί σοβαρό οφθαλμικό ερεθισμό.
- **Αναπνευστική ευαισθητοποίηση ή ευαισθητοποίηση του δέρματος**
Μπορεί να προκαλέσει αλλεργική δερματική αντίδραση.
- **Συμπληρωματικές τοξικολογικές ενδείξεις:**
- **Επιπτώσεις ΚΜΤ (καρκινογένεση, μεταλλαξιογένεση και τοξικότητα για την αναπαραγωγή)**
- **Μεταλλαξιογένεση γεννητικών κυττάρων**
Βάσει των διαθέσιμων δεδομένων, τα κριτήρια ταξινόμησης δεν πληρούνται.
- **Καρκινογένεση** Βάσει των διαθέσιμων δεδομένων, τα κριτήρια ταξινόμησης δεν πληρούνται.
- **Τοξικότητα για την αναπαραγωγή** Βάσει των διαθέσιμων δεδομένων, τα κριτήρια ταξινόμησης δεν πληρούνται.
- **Ειδική για κάθε όργανο τοξικότητα με άπαξ εκθεση**
Βάσει των διαθέσιμων δεδομένων, τα κριτήρια ταξινόμησης δεν πληρούνται.
- **Ειδική για κάθε όργανο τοξικότητα με επανειλημμένη εκθεση**
Βάσει των διαθέσιμων δεδομένων, τα κριτήρια ταξινόμησης δεν πληρούνται.
- **Κίνδυνος αναρρόφησης** Βάσει των διαθέσιμων δεδομένων, τα κριτήρια ταξινόμησης δεν πληρούνται.

ΤΜΗΜΑ 12: Οικολογικές πληροφορίες

- **12.1 Τοξικότητα**
- **Υδατική τοξικότητα:** Δεν διατίθενται άλλες σχετικές πληροφορίες.
- **12.2 Ανθεκτικότητα και ικανότητα αποδόμησης** Δεν διατίθενται άλλες σχετικές πληροφορίες.
- **12.3 Δυνατότητα βιοσυσσώρευσης** Δεν διατίθενται άλλες σχετικές πληροφορίες.
- **12.4 Κινητικότητα στο έδαφος** Δεν διατίθενται άλλες σχετικές πληροφορίες.
- **Περαιτέρω οικολογικές ενδείξεις:**
- **Γενικές οδηγίες:**
Επικίνδυνο για το υδάτινο περιβάλλον - Κλάση 1 (εκτίμηση καταλόγου): ελαφρώς επικίνδυνο
Δεν επιτρέπεται να διεισδύει στα γήινα νερά, να αδειάζεται στο υδάτινο περιβάλλον ή στην αποχέτευση μη αραιωμένο ή σχετικά σε μεγάλες ποσότητες.
- **12.5 Αποτελέσματα της αξιολόγησης ABT και aAaB**
- **ABT:** Μη χρησιμοποιήσιμο
- **AaB:** Μη χρησιμοποιήσιμο
- **12.6 Άλλες αρνητικές επιπτώσεις** Δεν διατίθενται άλλες σχετικές πληροφορίες.

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(συνέχεια στη σελίδα 6)

Δελτίο δεδομένων ασφαλείας
σύμφωνα με το 1907/2006/ΕΚ, Άρθρο 31

Ημερομηνία εκτύπωσης: 16.09.2022

Αναθεώρηση: 16.09.2022

Όνομασία του προϊόντος στο εμπόριο: DDSA

(συνέχεια από τη σελίδα 5)

ΤΜΗΜΑ 13: Στοιχεία σχετικά με τη διάθεση

- **13.1 Μέθοδοι διαχείρισης αποβλήτων**
- **Σύσταση:** Δεν επιτρέπεται να εναποτίθεται μαζί με τα κοινά απορρίμματα. Μην το αδειάζετε στην αποχέτευση.
- **Ακάθαρτες συσκευασίες:**
- **Σύσταση:** Η εναπόθεση πρέπει να γίνεται σύμφωνα με τις επίσημες οδηγίες.

ΤΜΗΜΑ 14: Πληροφορίες σχετικά με τη μεταφορά

· 14.1 Αριθμός ΟΗΕ · ADR, IMDG, IATA	εκπίπτει
· 14.2 Οικεία ονομασία αποστολής ΟΗΕ · ADR, IMDG, IATA	εκπίπτει
· 14.3 Τάξη/-εις κινδύνου κατά τη μεταφορά · ADR, ADN, IMDG, IATA · κλάση	εκπίπτει
· 14.4 Ομάδα συσκευασίας · ADR, IMDG, IATA	εκπίπτει
· 14.5 Περιβαλλοντικοί κίνδυνοι:	Δεν έχει εφαρμογή
· 14.6 Ειδικές προφυλάξεις για τον χρήστη	Δεν έχει εφαρμογή
· 14.7 Χύδην μεταφορά σύμφωνα με το παράρτημα II της σύμβασης MARPOL και τον κώδικα IBC	Δεν έχει εφαρμογή
· UN "Model Regulation":	εκπίπτει

ΤΜΗΜΑ 15: Στοιχεία νομοθετικού χαρακτήρα

- 15.1 Κανονισμοί/νομοθεσία σχετικά με την ασφάλεια, την υγεία και το περιβάλλον για την ουσία ή το μείγμα
- Οδηγία 2012/18 / ΕΕ
- Κατονομαζόμενες επικίνδυνες ουσίες - ΠΑΡΑΡΤΗΜΑ Ι Η ουσία δεν περιέχεται
- Οδηγία 2011/65/ΕΕ για τον περιορισμό της χρήσης ορισμένων επικίνδυνων ουσιών σε ηλεκτρικό και ηλεκτρονικό εξοπλισμό - Παραρτημα ΙΙ
Η ουσία δεν περιέχεται
- ΚΑΝΟΝΙΣΜΟΣ (ΕΕ) 2019/1148
- Παραρτημα Ι - ΠΡΟΔΡΟΜΕΣ ΟΥΣΙΕΣ ΕΚΡΗΚΤΙΚΩΝ ΥΛΩΝ ΥΠΟ ΠΕΡΙΟΡΙΣΜΟΥΣ (Ανώτατη τιμή ορίου για τους σκοπούς της χορήγησης άδειας σύμφωνα με το άρθρο 5 παράγραφος 3)
Η ουσία δεν περιέχεται
- Παραρτημα ΙΙ - ΔΗΛΩΤΕΕΣ ΠΡΟΔΡΟΜΕΣ ΟΥΣΙΕΣ ΕΚΡΗΚΤΙΚΩΝ ΥΛΩΝ Η ουσία δεν περιέχεται
- Κανονισμός (ΕΚ) αριθ. 273/2004 περί των προδρόμων ουσιών των ναρκωτικών Η ουσία δεν περιέχεται
- Κανονισμός (ΕΚ) αριθ. 111/2005 σχετικά με τη θέσπιση κανόνων για την παρακολούθηση του εμπορίου πρόδρομων ουσιών ναρκωτικών μεταξύ της Κοινότητας και τρίτων χωρών
Η ουσία δεν περιέχεται
- 15.2 Αξιολόγηση χημικής ασφάλειας: Η αξιολόγηση χημικής ασφάλειας δεν πραγματοποιήθηκε.

GR

(συνέχεια στη σελίδα 7)

Δελτίο δεδομένων ασφαλείας
σύμφωνα με το 1907/2006/ΕΚ, Άρθρο 31

Ημερομηνία εκτύπωσης: 16.09.2022

Αναθεώρηση: 16.09.2022

Όνομασία του προϊόντος στο εμπόριο: DDSA

(συνέχεια από τη σελίδα 6)

ΤΜΗΜΑ 16: Άλλες πληροφορίες

Αυτές οι δηλώσεις βασίζονται στο σημερινό επίπεδο των γνώσεών μας, δεν αποτελούν εγγύηση για τις ιδιότητες των προϊόντων ούτε αιτιολογούν τη δημιουργία συμβατικών υποχρεώσεων.

· Συντμήσεις και αρκτικόλεξα:

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

Eye Irrit. 2: Σοβαρή οφθαλμική βλάβη/ερεθισμός των οφθαλμών – Κατηγορία 2

Skin Sens. 1: Ευαισθητοποίηση του δέρματος – Κατηγορία 1

Aquatic Chronic 4: Επικίνδυνο για το υδάτινο περιβάλλον - μακροπροθεσμος κινδυνος για το υδατινο περιβαλλον – Κατηγορία 4

GR

Scheda di dati di sicurezza
ai sensi del regolamento 1907/2006/CE, Articolo 31

Stampato il: 16.09.2022

Revisione: 16.09.2022

SEZIONE 1: Identificazione della sostanza o della miscela e della società/impresa

- **1.1 Identificatore del prodotto**
- **Denominazione commerciale:** DDSA
- **Articolo numero:** 13700, 13701
- **Numeri CE:**
247-781-6
- **1.2 Usi identificati pertinenti della sostanza o della miscela e usi sconsigliati**
Non sono disponibili altre informazioni.
- **Utilizzazione della Sostanza / del Preparato** Prodotti chimici per laboratorio
- **1.3 Informazioni sul fornitore della scheda di dati di sicurezza**
- **Produttore/fornitore:**
Electron Microscopy Sciences
1560 Industry Road
USA-Hatfield, PA 19440
Tel: 215-412-8400 Fax: 215-412-8450
email: info@emsdiasum.com
www.emsdiasum.com
- **Società Italiana Chimici**
Via Rio Nell Ellba 140
00138 Rome, Italy
Tel: 39 06 8800211
Fax: 39 30 06 8815313
Web: www.sichim.com
- **Informazioni fornite da:** Product safety department
- **1.4 Numero telefonico di emergenza:**
ChemTrec 1-800-424-9300 Contract CCN7661
1-703-527-3887

SEZIONE 2: Identificazione dei pericoli

- **2.1 Classificazione della sostanza o della miscela**
- **Classificazione secondo il regolamento (CE) n. 1272/2008**



GHS07

Eye Irrit. 2 H319 Provoca grave irritazione oculare.
Skin Sens. 1 H317 Può provocare una reazione allergica cutanea.

Aquatic Chronic 4 H413 Può essere nocivo per gli organismi acquatici con effetti di lunga durata.

- **2.2 Elementi dell'etichetta**
- **Etichettatura secondo il regolamento (CE) n. 1272/2008**
La sostanza è classificata ed etichettata conformemente al regolamento CLP.
- **Pittogrammi di pericolo**



GHS07

- **Avvertenza** Attenzione
- **Indicazioni di pericolo**
H319 Provoca grave irritazione oculare.

(continua a pagina 2)

Scheda di dati di sicurezza
ai sensi del regolamento 1907/2006/CE, Articolo 31

Stampato il: 16.09.2022

Revisione: 16.09.2022

Denominazione commerciale: DDSA

(Segue da pagina 1)

*H317 Può provocare una reazione allergica cutanea.**H413 Può essere nocivo per gli organismi acquatici con effetti di lunga durata.***· Consigli di prudenza***P261 Evitare di respirare la polvere/i fumi/i gas/la nebbia/i vapori/gli aerosol.**P273 Non disperdere nell'ambiente.**P280 Indossare guanti / occhiali di protezione / protezione per il viso.**P305+P351+P338 IN CASO DI CONTATTO CON GLI OCCHI: sciacquare accuratamente per parecchi minuti. Togliere le eventuali lenti a contatto se è agevole farlo. Continuare a sciacquare.**P333+P313 In caso di irritazione o eruzione della pelle: consultare un medico.**P501 Smaltire il prodotto/recipiente in conformità con le disposizioni locali / regionali / nazionali / internazionali.***· 2.3 Altri pericoli****· Risultati della valutazione PBT e vPvB****· PBT:** Non applicabile.**· vPvB:** Non applicabile.**SEZIONE 3: Composizione/informazioni sugli ingredienti****· 3.1 Caratteristiche chimiche: Sostanze****· Numero CAS**

DDSA

· Numeri di identificazione**· Numeri CE:** 247-781-6**SEZIONE 4: Misure di primo soccorso****· 4.1 Descrizione delle misure di primo soccorso****· Inalazione:***Portare il soggetto in zona molto ben areata e per sicurezza consultare un medico.**Se il soggetto è svenuto provvedere a tenerlo durante il trasporto in posizione stabile su un fianco.***· Contatto con la pelle:** *Lavare immediatamente con acqua e sapone sciacquando accuratamente.***· Contatto con gli occhi:***Lavare con acqua corrente per diversi minuti tenendo le palpebre ben aperte. Se persiste il dolore consultare il medico.***· Ingestione:** *Se il dolore persiste consultare il medico.***· 4.2 Principali sintomi ed effetti, sia acuti che ritardati** *Non sono disponibili altre informazioni.***· 4.3 Indicazione dell'eventuale necessità di consultare immediatamente un medico e di trattamenti speciali***Non sono disponibili altre informazioni.***SEZIONE 5: Misure antincendio****· 5.1 Mezzi di estinzione****· Mezzi di estinzione idonei:** *Adottare provvedimenti antiincendio nei dintorni della zona colpita.***· 5.2 Pericoli speciali derivanti dalla sostanza o dalla miscela** *Non sono disponibili altre informazioni.***· 5.3 Raccomandazioni per gli addetti all'estinzione degli incendi****· Mezzi protettivi specifici:** *Non sono richiesti provvedimenti particolari.***SEZIONE 6: Misure in caso di rilascio accidentale****· 6.1 Precauzioni personali, dispositivi di protezione e procedure in caso di emergenza** *Non necessario.*

(continua a pagina 3)

Scheda di dati di sicurezza
ai sensi del regolamento 1907/2006/CE, Articolo 31

Stampato il: 16.09.2022

Revisione: 16.09.2022

Denominazione commerciale: DDSA

(Segue da pagina 2)

- **6.2 Precauzioni ambientali:**
*In caso di infiltrazione nei corpi d'acqua o nelle fognature avvertire le autorità competenti.
Impedire infiltrazioni nella fognatura/nelle acque superficiali/nelle acque freatiche.*
- **6.3 Metodi e materiali per il contenimento e per la bonifica:**
Smaltire il materiale raccolto come previsto dalla legge.
- **6.4 Riferimento ad altre sezioni**
*Per informazioni relative ad un manipolazione sicura, vedere capitolo 7.
Per informazioni relative all'equipaggiamento protettivo ad uso personale vedere Capitolo 8.
Per informazioni relative allo smaltimento vedere Capitolo 13.*

SEZIONE 7: Manipolazione e immagazzinamento

- **7.1 Precauzioni per la manipolazione sicura** *Aprire e manipolare i recipienti con cautela.*
- **Indicazioni in caso di incendio ed esplosione:** *Tener pronto il respiratore.*
- **7.2 Condizioni per lo stoccaggio sicuro, comprese eventuali incompatibilità**
- **Stoccaggio:**
- **Requisiti dei magazzini e dei recipienti:** *Non sono richiesti requisiti particolari.*
- **Indicazioni sullo stoccaggio misto:** *Non necessario.*
- **Ulteriori indicazioni relative alle condizioni di immagazzinamento:** *Mantenere i recipienti ermeticamente chiusi.*
- **7.3 Usi finali particolari** *Non sono disponibili altre informazioni.*

SEZIONE 8: Controllo dell'esposizione/protezione individuale

- **8.1 Parametri di controllo**
- **Ulteriori indicazioni sulla struttura di impianti tecnici:** *Nessun dato ulteriore, vedere punto 7.*
- **Componenti i cui valori limite devono essere tenuti sotto controllo negli ambienti di lavoro:** *Non Necessario.*
- **Ulteriori indicazioni:** *Le liste valide alla data di compilazione sono state usate come base.*
- **8.2 Controlli dell'esposizione**
- **Mezzi protettivi individuali:**
- **Norme generali protettive e di igiene del lavoro:**
*Tenere lontano da cibo, bevande e foraggi.
Lavarsi le mani prima dell'intervallo o a lavoro terminato.
Custodire separatamente l'equipaggiamento protettivo.
Evitare il contatto con gli occhi.
Evitare il contatto con gli occhi e la pelle.*
- **Maschera protettiva:** *Non necessario.*
- **Guanti protettivi:**



Guanti protettivi

*Il materiale dei guanti deve essere impermeabile e stabile contro il prodotto/ la sostanza/ la formulazione.
A causa della mancanza di tests non può essere consigliato alcun tipo di materiale per i guanti con cui manipolare il prodotto / la formulazione / la miscela di sostanze chimiche.
Scelta del materiale dei guanti in considerazione dei tempi di passaggio, dei tassi di permeazione e della degradazione.*

- **Materiale dei guanti**
La scelta dei guanti adatti non dipende soltanto dal materiale bensì anche da altre caratteristiche di qualità variabili da un produttore a un altro.
- **Tempo di permeazione del materiale dei guanti**
Richiedere dal fornitore dei guanti il tempo di passaggio preciso il quale deve essere rispettato.

(continua a pagina 4)

Scheda di dati di sicurezza
ai sensi del regolamento 1907/2006/CE, Articolo 31

Stampato il: 16.09.2022

Revisione: 16.09.2022

Denominazione commerciale: DDSA

(Segue da pagina 3)

· **Occhiali protettivi:**

Occhiali protettivi a tenuta

SEZIONE 9: Proprietà fisiche e chimiche

· **9.1 Informazioni sulle proprietà fisiche e chimiche fondamentali**· **Indicazioni generali**· **Aspetto:** **Forma:** Viscoso **Colore:** Giallognolo· **Odore:** Caratteristico· **Soglia olfattiva:** Non definito.· **valori di pH:** Non definito.· **Cambiamento di stato** **Punto di fusione/punto di congelamento:** -20 °C **Punto di ebollizione iniziale e intervallo di ebollizione:** 150 °C· **Punto di infiammabilità:** 113 °C· **Infiammabilità (solidi, gas):** Non applicabile.· **Temperatura di decomposizione:** Non definito.· **Temperatura di autoaccensione:** Non definito.· **Proprietà esplosive:** Prodotto non esplosivo.· **Limiti di infiammabilità:** **Inferiore:** Non definito. **Superiore:** Non definito.· **Tensione di vapore a 20 °C:** 0,765 hPa· **Densità a 20 °C:** 1,005 g/cm³· **Densità relativa** Non definito.· **Densità di vapore:** Non definito.· **Velocità di evaporazione** Non applicabile.· **Solubilità in/Miscibilità con acqua a 25 °C:**

0,01 g/l

· **Coefficiente di ripartizione: n-ottanolo/acqua:** Non definito.· **Viscosità:** **Dinamica:** Non definito. **Cinematica:** Non definito.· **9.2 Altre informazioni** Non sono disponibili altre informazioni.

SEZIONE 10: Stabilità e reattività

· **10.1 Reattività** Non sono disponibili altre informazioni.

(continua a pagina 5)

Scheda di dati di sicurezza
ai sensi del regolamento 1907/2006/CE, Articolo 31

Stampato il: 16.09.2022

Revisione: 16.09.2022

Denominazione commerciale: DDSA

(Segue da pagina 4)

- **10.2 Stabilità chimica**
- **Decomposizione termica/ condizioni da evitare:** Il prodotto non si decompone se utilizzato secondo le norme.
- **10.3 Possibilità di reazioni pericolose** Non sono note reazioni pericolose.
- **10.4 Condizioni da evitare** Non sono disponibili altre informazioni.
- **10.5 Materiali incompatibili:** Non sono disponibili altre informazioni.
- **10.6 Prodotti di decomposizione pericolosi:** Non sono noti prodotti di decomposizione pericolosi.

SEZIONE 11: Informazioni tossicologiche

- **11.1 Informazioni sugli effetti tossicologici**
- **Tossicità acuta** Basandosi sui dati disponibili i criteri di classificazione non sono soddisfatti.
- **Irritabilità primaria:**
- **Corrosione/irritazione cutanea** Basandosi sui dati disponibili i criteri di classificazione non sono soddisfatti.
- **Lesioni oculari gravi/irritazioni oculari gravi**
Provoca grave irritazione oculare.
- **Sensibilizzazione respiratoria o cutanea**
Può provocare una reazione allergica cutanea.
- **Ulteriori dati tossicologici:**
- **Effetti CMR (cancerogenicità, mutagenicità e tossicità per la riproduzione)**
- **Mutagenicità delle cellule germinali**
Basandosi sui dati disponibili i criteri di classificazione non sono soddisfatti.
- **Cancerogenicità** Basandosi sui dati disponibili i criteri di classificazione non sono soddisfatti.
- **Tossicità per la riproduzione** Basandosi sui dati disponibili i criteri di classificazione non sono soddisfatti.
- **Tossicità specifica per organi bersaglio (STOT) - esposizione singola**
Basandosi sui dati disponibili i criteri di classificazione non sono soddisfatti.
- **Tossicità specifica per organi bersaglio (STOT) - esposizione ripetuta**
Basandosi sui dati disponibili i criteri di classificazione non sono soddisfatti.
- **Pericolo in caso di aspirazione** Basandosi sui dati disponibili i criteri di classificazione non sono soddisfatti.

SEZIONE 12: Informazioni ecologiche

- **12.1 Tossicità**
- **Tossicità acquatica:** Non sono disponibili altre informazioni.
- **12.2 Persistenza e degradabilità** Non sono disponibili altre informazioni.
- **12.3 Potenziale di bioaccumulo** Non sono disponibili altre informazioni.
- **12.4 Mobilità nel suolo** Non sono disponibili altre informazioni.
- **Ulteriori indicazioni in materia ambientale:**
- **Ulteriori indicazioni:**
Pericolosità per le acque classe 1 (D) (Classif. secondo le liste): poco pericoloso
Non immettere nelle acque freatiche, nei corsi d'acqua o nelle fognature non diluito o in grandi quantità.
- **12.5 Risultati della valutazione PBT e vPvB**
- **PBT:** Non applicabile.
- **vPvB:** Non applicabile.
- **12.6 Altri effetti avversi** Non sono disponibili altre informazioni.

SEZIONE 13: Considerazioni sullo smaltimento

- **13.1 Metodi di trattamento dei rifiuti**
- **Consigli:** Non smaltire il prodotto insieme ai rifiuti domestici Non immettere nelle fognature.

(continua a pagina 6)

Scheda di dati di sicurezza
ai sensi del regolamento 1907/2006/CE, Articolo 31

Stampato il: 16.09.2022

Revisione: 16.09.2022

Denominazione commerciale: **DDSA**

(Segue da pagina 5)

- **Imballaggi non puliti:**
- **Consigli:** Smaltimento in conformità con le disposizioni amministrative.

SEZIONE 14: Informazioni sul trasporto

- | | |
|--|-------------------------|
| · 14.1 Numero ONU
· ADR, IMDG, IATA | <i>non applicabile</i> |
| · 14.2 Nome di spedizione dell'ONU
· ADR, IMDG, IATA | <i>non applicabile</i> |
| · 14.3 Classi di pericolo connesso al trasporto
· ADR, ADN, IMDG, IATA
· Classe | <i>non applicabile</i> |
| · 14.4 Gruppo di imballaggio
· ADR, IMDG, IATA | <i>non applicabile</i> |
| · 14.5 Pericoli per l'ambiente: | <i>Non applicabile.</i> |
| · 14.6 Precauzioni speciali per gli utilizzatori | <i>Non applicabile.</i> |
| · 14.7 Trasporto di rinfuse secondo l'allegato II di MARPOL ed il codice IBC | <i>Non applicabile.</i> |
| · UN "Model Regulation": | <i>non applicabile</i> |

SEZIONE 15: Informazioni sulla regolamentazione

- **15.1 Disposizioni legislative e regolamentari su salute, sicurezza e ambiente specifiche per la sostanza o la miscela**
- **Direttiva 2012/18/UE**
- **Sostanze pericolose specificate - ALLEGATO I** La sostanza non è contenuta
- **Direttiva 2011/65/UE sulla restrizione dell'uso di determinate sostanze pericolose nelle apparecchiature elettriche ed elettroniche - Allegato II**
La sostanza non è contenuta
- **REGOLAMENTO (UE) 2019/1148**
- **Allegato I - PRECURSORI DI ESPLOSIVI SOGGETTI A RESTRIZIONI (Valore limite superiore ai fini della concessione di licenze a norma dell'articolo 5, paragrafo 3)**
La sostanza non è contenuta
- **Allegato II - PRECURSORI DI ESPLOSIVI SOGGETTI A SEGNALAZIONE** La sostanza non è contenuta
- **Regolamento (CE) n. 273/2004 relativo ai precursori di droghe** La sostanza non è contenuta
- **Regolamento (CE) N. 111/2005 recante norme per il controllo del commercio dei precursori di droghe tra la Comunità e i paesi terzi**
La sostanza non è contenuta
- **15.2 Valutazione della sicurezza chimica:** Una valutazione della sicurezza chimica non è stata effettuata.

SEZIONE 16: Altre informazioni

I dati sono riportati sulla base delle nostre conoscenze attuali, non rappresentano tuttavia alcuna garanzia delle caratteristiche del prodotto e non motivano alcun rapporto giuridico contrattuale.

(continua a pagina 7)

Scheda di dati di sicurezza
ai sensi del regolamento 1907/2006/CE, Articolo 31

Stampato il: 16.09.2022

Revisione: 16.09.2022

Denominazione commerciale: DDSA

(Segue da pagina 6)

· Abbreviazioni e acronimi:

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

Eye Irrit. 2: Gravi lesioni oculari/irritazione oculare – Categoria 2

Skin Sens. 1: Sensibilizzazione della pelle – Categoria 1

Aquatic Chronic 4: Pericoloso per l'ambiente acquatico - pericolo a lungo termine per l'ambiente acquatico – Categoria 4

IT

安全データシート

JIS Z 7253:2019 による

印刷日: 2022.09.16

バージョン番号: 1

改訂日: 2022.09.16

項目 1: 化学品及び会社情報

- ・ 製品識別子
- ・ 化学品の名称 **DDSA**
- ・ 製品コード 13700, 13701
- ・ 番号番号番号
247-781-6
- ・ 該当純物質または混合物の関連特定用途及び使用禁止用途 追加的な関連情報は得られていません。
- ・ 推奨用途 実験用化学物質
- ・ 安全データシートの供給元の詳細情報
- ・ 供給者の会社名称,住所及び電話番号
Electron Microscopy Sciences
1560 Industry Road
USA-Hatfield, PA 19440
Tel: 215-412-8400 Fax: 215-412-8450
email: info@emsdiasum.com
www.emsdiasum.com
- ・ この他の情報問い合わせ先: Product safety department
- ・ 緊急連絡電話番号
ChemTrec 1-800-424-9300 Contract CCN7661
1-703-527-3887

項目 2: 危険有害性の要約

- ・ 化学品の分類分類



重篤な眼の損傷性/眼刺激性 区分2A H319 強い眼刺激
感作性(皮膚) 区分1 H317 アレルギー性皮膚反応を起こすおそれ
水生環境有害性(慢性毒性) 区分4 H413 長期継続的影響によって水生生物に有害のおそれ

- ・ GHSラベル要素 (絵表示又はシンボル,注意喚起語,危険有害性情報及び注意書き)

- ・ GHS ラベル要素

本化学物質はGHS(化学品の分類および表示に関する世界調和システム)により分類及び表示されています。

- ・ 絵表示



GHS07

- ・ 注意喚起語 警告
- ・ 危険有害性情報
強い眼刺激
アレルギー性皮膚反応を起こすおそれ
長期継続的影響によって水生生物に有害のおそれ
- ・ 注意書き
粉じん/煙/ガス/ミスト/蒸気/スプレートの吸入を避けること。
環境への放出を避けること。
保護手袋/目保護帯/顔保護面 の着用

(2ページに続く)

安全データシート

JIS Z 7253:2019 による

印刷日: 2022.09.16

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改訂日: 2022.09.16

化学品の名称 DDSA

(1ページの続き)

眼に入った場合: 水で数分間注意深く洗うこと。次にコンタクトレンズを着用していて容易に外せる場合は外すこと。その後も洗浄を続けること。

皮膚刺激又は発しん(疹)が生じた場合: 医師の診断/手当てを受けること。

現地/地域/国/国際規定に従い内容物・容器の露出

- ・GHS分類に関係しない又はGHSで扱われない他の危険有害性
- ・PBT (残留性、生物濃縮性、毒性物質)及びvPvB (高残留性、高生物濃縮性物質)アセスメント
- ・PBT (残留性、生物濃縮性、毒性物質): 情報なし
- ・vPvB (高残留性、高生物濃縮性物質): 情報なし

項目 3: 組成及び成分情報

- ・化学物質・混合物の区別: 化学物質
- ・化学名又は一般名
DDSA
- ・化学物質を特定できる一般的な番号
番号番号番号-781-6

項目 4: 応急措置

- ・応急手当処置に関する説明
- ・吸入した場合
外気を十分に送り込み、安全のため医師を呼ぶ
意識不明の場合には安定させた状態で横向きに寝かせ、移送する
- ・皮膚に付着した場合 即刻石鹼と水で洗い、よくすすぐ
- ・眼に入った場合
瞼を開けたまま、流水で何分間か眼をすすぎ、状態がよくなる場合には医者に相談する
- ・飲み込んだ場合 状態が好転しない場合には医師に相談する
- ・急性症状及び遅発性症状の最も重要な徴候症状 追加的な関連情報は得られていません。
- ・何らかの即時医療処置及び特別治療の必要性を示す兆候 追加的な関連情報は得られていません。

項目 5: 火災時の措置

- ・消火剤
- ・適切な消火剤 周辺の状態に合わせた消火措置を取る
- ・本化学物質または混合物から発生する特別な危険性 追加的な関連情報は得られていません。
- ・消火活動を行う者の特別な保護具及び予防措置
- ・特別な保護装備: 特別な措置は必要としない

項目 6: 漏出時の措置

- ・人体に対する注意事項、保護具及び緊急時措置 必要ない
- ・環境に対する注意事項
河川、下水処理施設に流れ込んだ場合には関係当局に連絡する
下水処理施設、地上水あるいは地下水に達しないようにする
- ・封じ込め及び浄化の方法及び機材 取り除いた物質は規則に従って処分する
- ・他のセクションへの言及
安全な取り扱い方に関しては 7 項を参照
人の保護装備の情報に関しては 8 項を参照

(3ページに続く)

安全データシート

JIS Z 7253:2019 による

印刷日: 2022.09.16

バージョン番号: 1

改訂日: 2022.09.16

化学品の名称 DDSA

廃棄処分に関しては 13 項参照

(2ページの続き)

項目 7: 取扱い及び保管上の注意

- ・ **取扱い** 容器は十分に注意しながら開封し、取り扱う
- ・ **火災および爆発防止に関する注意事項:** 呼吸保護装置を用意しておく
- ・ **混融危険性を含めた安全貯蔵条件**
- 保管保管保管
- ・ **保管スペースおよび容器に関する要求事項:** 特別な要求事項なし
- ・ **同じ場所に保管する際の注意事項:** 必要ない
- ・ **保管条件に関するその他の注意事項:** 容器は密閉した状態に保つ
- ・ **特定の最終用途** 追加的な関連情報は得られていません。

項目 8: ばく露防止及び保護措置

- ・ **許容濃度等**
- ・ **作業場において限界値の監視を要する成分:** 削除
- ・ **追加注意事項:** 生成時に有効なリストがもともになっている
- ・ **設備対策**
- ・ **技術設備の形体に関する追加注意事項:** その他の申し立てなし、7 項参照
- ・ **保護具**
- ・ **一般防止措置および衛生措置:**
 - 食物、飲み物、飼料からは遠ざける
 - 休憩の前、作業終了後には手を洗う
 - 防護服は別に保管する
 - 眼に入らないように
 - 眼に入らないよう、また皮膚に接触しないよう注意する
- ・ **呼吸保護器具:** 必要ない
- ・ **手の保護:**



保護手袋

- 手袋の材質は物質/材料/調合剤に対して耐性であり、成分を通すことがあってはならない
テストをおこなっていないため、物質/調合剤/化合物を取り扱う際の手袋の材質として勧められるもの
はない
- 浸透時間、透過性および劣化の点を留意しながら手袋の材質を選択する
- ・ **手袋材** 適当な手袋は材質だけでなく、その他の品質によっても変わり、各メーカーによって異なる
 - ・ **手袋材の浸透時間** 正確な浸透時間については保護手袋メーカーに問い合わせ、それを遵守すること
 - ・ **眼の保護:**



密閉式保護めがね

JP

(4ページに続く)

安全データシート

JIS Z 7253:2019 による

印刷日: 2022.09.16

バージョン番号: 1

改訂日: 2022.09.16

化学品の名称 DDSA

(3ページの続き)

項目 9: 物理的及び化学的性質

<ul style="list-style-type: none"> 基本的な物理及び化学特性に関する情報 一般指示事項 	
色	黄色がかった
臭い臭い臭い	特徴的
嗅覚閾値	決まっていない。
融凝固凝固混合物の場合は、記載省略可)	-20 °C
沸点又は初留点及び沸騰範囲範囲	150 °C
可燃可燃性燃	情報なし
爆発爆発爆発界及び爆発上限昇燃限燃限燃限界	
下限:	決まっていない。
上限:	決まっていない。
火烈火点火点	113 °C
解益解温度温	決まっていない。
pH	決まっていない。
粘性:	
動粘性率	決まっていない。
学的学的	決まっていない。
溶解溶解度解混合物の場合は、記載省略可)	
水 約 25 °C:	0.01 g/l
分オクタクタ / 水分分配係数 (log 値) (混合物の場合は、記載省略可)	決まっていない。
蒸気圧 約 20 °C	0.765 hPa
密度及び / 又は相対密度	
密度 約 20 °C:	1.005 g/cm ³
対相対的密度	決まっていない。
蒸気密度	決まっていない。
<ul style="list-style-type: none"> その他のデータ 	
外観外観外観	
形:	どろどろ状
健康健康健康及び環境保護ならびに安全に関する重要な指示事項	
自然自然発燃点	決まっていない。
爆発の危険:	プロダクトは爆発する危険はない
状態の変化	
気化速度	情報なし

項目 10: 安定性及び反応性

応度応性性性的な関連情報は得られていません。

- 化学的安定性
 - 熱分解回避回避条件: 規定どおりの使用では分解しない
 - 危険有害腐蝕可能腐蝕危険な反応は起きていない
- 避け避け避け条件 追加的な関連情報は得られていません。
 - 混触危険物質 追加的な関連情報は得られていません。
 - 危険有害な分解生成物 危険な分解プロダクトはない

JP
(5ページに続く)

安全データシート

JIS Z 7253:2019 による

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バージョン番号: 1

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化学品の名称 DDSA

(5ページの続き)

- | | |
|--|------|
| ・MARPOL777附属付属書及び及びコードによるばら積み輸送される液体物質 | 情報なし |
| ・UN "模範規制: | 無効 |

項目 15: 適用法令

- ・該当法令の名称及びその法条に基づき規制に関する情報 追加的な関連情報は得られていません。
- ・化審法
- 既存 既存 既知物質 2-852
 - ・特定化学物質 物質は含まれていない
 - ・監視化学物質、旧第二種監視化学物質、旧第三種監視化学物質 物質は含まれていない
 - ・評価評価既知物質 物質は含まれていない
- 物質物質物質は含まれていない
- 既存 既存 既知物質 安全性点検結果 (姓解蓋積蓋積蓋積物質は含まれていない
- 既存 既存 既知物質 安全性点検結果 (毒性) 物質は含まれていない
 - ・PRTR 制度 - 第一種指定化学物質 物質は含まれていない
 - ・PRTR 制度 - 第二種指定化学物質 物質は含まれていない
 - ・PRTR 制度 - 第三種指定化学物質 物質は含まれていない
 - ・毒物及劇物取締法: 劇物 物質は含まれていない
 - ・毒物及劇物取締法: 有機シアン化合物から除かれるもの 物質は含まれていない
 - ・毒物及劇物取締法: 毒物 物質は含まれていない
 - ・毒物及劇物取締法: 特定毒物 物質は含まれていない
- 労働 労働 安全衛生法
 - ・危険物
 - ・爆発性の物 (施錠表別表第 1 号) 物質は含まれていない
 - ・発火性の物 (施錠表別表第 2 号) 物質は含まれていない
 - ・酸化性の物 (施錠表別表第 3 号) 物質は含まれていない
 - ・引火性の物 (施錠表別表第 4 号) 物質は含まれていない
- 可燃 可燃 性 燃焼性 (施錠表別表第 5 号) 物質は含まれていない
 - ・特定化学物質等
 - ・第一類物質 物質は含まれていない
 - ・第二類物質 物質は含まれていない
 - ・第三類物質 物質は含まれていない
 - ・名称簿通知通知き有害物 (別表第 9) 物質は含まれていない
 - ・製造貯蔵物質 物質は含まれていない
- 鉛中鉛中 毒物規則 (施錠表別表第 1 号) 物質は含まれていない
- ア四アル鉛中 毒物規則 (施錠表別表第 2 号) 物質は含まれていない
- 有機 有機 溶剤 中毒予防規則第 (施錠表別表第 2)
 - ・第一種有機溶剤等 物質は含まれていない
 - ・第二種有機溶剤等 物質は含まれていない
 - ・第三種有機溶剤等 物質は含まれていない
 - ・強い変異原性が認められた化学物質 物質は含まれていない
 - ・消防法 物質は含まれていない
 - ・海洋汚染防止法 物質は含まれていない
 - ・特定物質規制規制によるオゾン層の保護に関する法律
 - ・特定物質物質物質 物質は含まれていない
 - ・特定物質 物質は含まれていない
 - ・大気汚染防止法 物質は含まれていない
 - ・水質汚濁防止法
 - ・有害物質 物質は含まれていない
 - ・指定物質 物質は含まれていない

(7ページに続く)

安全データシート

JIS Z 7253:2019 による

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化学品の名称 DDSA

(6ページの続き)

・GHS ラベル要素

本化学物質はGHS(化学品の分類および表示に関する世界調和システム)により分類及び表示されています。

・絵表示



GHS07

・注意喚起語 警告

・危険有害性情報

強い眼刺激

アレルギー性皮膚反応を起こすおそれ

長期継続的影響によって水生生物に有害のおそれ

・注意書き

粉じん/煙/ガス/ミスト/蒸気/スプレーの吸入を避けること。

環境への放出を避けること。

保護手袋/目保護帯/顔保護面の着用

眼に入った場合: 水で数分間注意深く洗うこと。次にコンタクトレンズを着用していて容易に外せる場合は外すこと。その後も洗浄を続けること。

皮膚刺激又は発しん(疹)が生じた場合: 医師の診断/手当てを受けること。

現地/地域/国/国際規定に従い内容物・容器の露出

・化学物質の安齋価評価評価学物質安全性評価が遂行されていない

項目 16: その他の情報

この情報は現在の我々の認識に基づいている。ただし、プロダクトの特性を保証するものではなく、また契約において法的根拠にはならない

・縮約と二文字語:

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

EINECS: European Inventory of Existing Commercial Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

重篤な眼の損傷性/眼刺激性 区分2A: Serious eye damage/eye irritation – Category 2A

感作性(皮膚) 区分1: Skin sensitisation – Category 1

水生環境有害性(慢性毒性) 区分4: Hazardous to the aquatic environment - long-term aquatic hazard – Category 4

물질안전보건자료 GHS에 따라라따

인쇄일자: 2022.09.16

개정: 2022.09.16

1 화학제품과 회사에 관한 정보

제품제품제명

- 제품명: DDSA
- 상품번호: 13700, 13701
- EC 의번호:
247-781-6

해당 해당 물질이나 혼합물 관련 권고 및 사용금지용도

- 제품의 권고 용도와 사용 생애 제한 사항
- 제품의 권고 용도와 사용 생애 제한 사항
- 안전데이터표(Safety Data Sheet)내 공급 업체 관련 권고 사항
- 제조자/수입자/유통 업체 정보

Electron Microscopy Sciences
1560 Industry Road
USA-Hatfield, PA 19440
Tel: 215-412-8400 Fax: 215-412-8450
email: info@emsdiasum.com
www.emsdiasum.com

Samchang Commercial Co., Ltd.
Yeo Eui Do
PO Box 1110
Seoul, Korea
Tel: 82 2 703 3040
Fax: 82 2 717 3298

Daedok Science, Co. Ltd.
34141 E10 Korea Advanced Institute of Science
Guseong-Dong, Yuseong-gu, Daejeon,
Korea
Phone: 82 42 710 2091
Fax: 82 42 367 0005
Website: www.labsmro.com

- 추가적인 정보: ChemTrec 1-800-424-9300 Contract CCN7661
1-703-527-3887
- 비상 연락 전화번호:
ChemTrec 1-800-424-9300 Contract CCN7661
1-703-527-3887

2 유해성·위험성

- 순물질 또는 혼합물 분류분류



심한 눈 손상성/눈 자극성 - 구분2A H319 눈에 심한 자극을 일으킴
 피부 과민성은 - 구분1 H317 알레르기성 피부 반응을 일으킬 수 있음
 수생환경 유해성 - 만성 - 구분4 H413 장기적인 영향에 의해 수생생물에 유해의 우려가 있음

- 라벨 표기 요소
- 라벨 라벨 요소

본 화학물질은 화학물질의 분류 및 표기에 관한 국제조화시스템(GHS)에 따라 분류 및 표기되었습니다.

(2 쪽에 계속)

물질안전보건자료

GHS에 따라라따

인쇄일자: 2022.09.16

개정: 2022.09.16

제품명: DDSA

(1 쪽부터계속)

· GHS 그림문자



GHS07

· 신호어 경고 유해

- 눈에 심한 자극을 일으킴
- 알레르기성 피부 반응을 일으킬 수 있음
- 장기적인 영향에 의해 수생생물에 유해의 우려가 있음

· 예방조치문구

- 분진·흙·가스·미스트·증기·스프레이의 흡입을 피하십시오.
- 환경으로 배출하지 마시오.
- 보호장갑 / 눈 보호대 / 안면 보호구 착용.
- 눈에 묻으면 몇 분간 물로 조심해서 씻으시오. 가능하면 콘택트렌즈를 제거하십시오. 계속 씻으시오.
- 피부자극성 또는 홍반이 나타나면 의학적인 조언·주의를 받으시오.
- (지방/지역/국가/국제 규정에 따라) 에 내용물/용기를 폐기하십시오.

기타기타

- PBT(잔류성, 생물농축성, 독성물질) 및 vPvB(고 잔류성, 고 생물농축성 물질)에 해당하지 않음
- PBT(잔류성, 생물농축성, 독성물질)에 해당하지 않음
- vPvB(고 잔류성, 고 생물농축성 물질)에 해당하지 않음

3 구성성분의 명칭 및 함유량

- 화학적 특성: 화학물질
- CAS-번호표시
DDSA

식별식별번호

- EC 의번호: 247-781-6

4 응급조치 요령

· 응급조치요령 내용내용

- 흡입했을 때:
신선한 공기를 쐬고 나서 반드시 의 료진의 도움을 구한다.
환자가 의식을 잃었을 경우에는 안전한 자세에서 환자를 운반한다.
- 피부에 접촉했을 때: 즉시물과비누로씻고잘행군다.
- 눈에눈에들어들었을 때: 흐르는 물에 눈을 몇분동안 씻어내고나서, 증상이 지속될 경우에는 의사와 상담한 다
- 먹었을 때: 증상이 지 속될 경우에는 의사와 상 담 한 다.

기타기타

- 가장가장 중요한정보는생물농축성·영양영향적인 정보가 존재하지 않습니다.
- 즉각적인 의료처치 및 특별치료가 필요함을 시사하는 징후중후중후적인 정보가 존재하지 않습니다.

5 폭발·화재시 대처방법

- 소화제
- 적절한 소화제: 주 변 환 경에 맞는 화 재 진 화방법을 사용한다.
- 본 화학물질이나 혼합물에서 발생하특별특정특정 추가적인 정보가 존재하지 않습니다.

(3 쪽에계속)

물질안전보건자료 GHS에 따라라따

인쇄일자: 2022.09.16

개정: 2022.09.16

제품명: DDSA

(3 쪽부터계속)

- 통과 시간, 침투율과 저하를 고려해서 장갑 재료를 선택한다.
 - **장갑의재료**
적합한장갑의선택은재질차이뿐만아니라품질기준의차이도고려하여이루어져야하고제조업자에따라서도다르게선택되어야한다.
 - **장갑재료의투과시간** 정확한관통시간은보호장갑제조자에의하여인지되고, 준수되어야한다.
- 보호보호보호



꼭조이는보안경

9 물리화학적 특성

기본 물리화학적 특성에 대한 정보

· 일반정보 외형외형외형	
· 물리적상태 색:	점액성의 누런빛을띤
· 냄새 · 후각역치	특색있는 알맞지않다.
· pH:	알맞지않다.
· 상태변화 녹는점/어는점: 초기초기	-20 °C 150 °C
· 인화점:	113 °C
· 인화성고체기체	해당사항 없음.
· 분해온도	알맞지않다.
· 자기점화:	알맞지않다.
· 폭발위험:	이제품은폭발위험성이없다
· 인화안화온도 아래로: 위로위로	알맞지않다. 알맞지않다.
· 증기압 의경우 20 °C:	0.765 hPa
· 밀도 밀도 밀도 의경우 20 °C: 비중비중비중 · 중기밀도: 중발중발중발 속도	1.005 g/cm ³ 알맞지않다. 알맞지않다. 해당사항 없음.
· 용해도: 물 의경우 25 °C:	0.01 g/l
· n 옥탄올/물 분배계수:	알맞지않다.
· 점도 점도 점도 역학성: 동점성:	알맞지않다. 알맞지않다.

(5 쪽에계속)

물질안전보건자료 GHS에 따라라따

인쇄일자: 2022.09.16

개정: 2022.09.16

제품명: DDSA

(4 쪽부터계속)

기타 정보 정보 추가적인 정보가 존재하지 않습니다.

10 안정성 및 반응성

- 반응성 추가적인 정보가 존재하지 않습니다.
- 화학적 안정성
- 화학적 안정성 유해 반응의 가능성 / 피해야 할 조건 규정 에 따라 사용 할 경우 해체는 없다
- 유해 반응 가능성 위험한 반응으로는 알려지지 않았다.
- 피해야 할 조건 추가적인 정보가 존재하지 않습니다.
- 혼합 유해성 물질 추가적인 정보가 존재하지 않습니다.
- 유해 분해 물질: 위험성 있는 분해물들은 알려지지 않았다.

11 독성에 관한 정보

- 독성학적 영향에 대한 정보
- 급성 독성 독성 독성
- 입체적 자극 효과
- 피부 피부 자극성 또는 자극성: 무 자극
- 심한 심한 자극성 또는 자극성: 자극
- 감각화: 피부 접촉을 통하여 감각화 가능성이 있다.

12 환경에 미치는 영향

- 독성 독성 독성
- 수생 독성: 추가적인 정보가 존재하지 않습니다.
- 지속성 및 분해성 추가적인 정보가 존재하지 않습니다.
- 환경 시스템에서의 행동:
- 생물농축 잠재성 추가적인 정보가 존재하지 않습니다.
- 토양 내 이동성 추가적인 정보가 존재하지 않습니다.
- 추가적인 생태학 정보 정보
- 일반 환경 독성 특징
- 수질 오염 등급 1 (목록 분류): 약하게 수질 오염이 된
희석시키지 않은 채 대량으로 지하수나, 하천으로 그리고 하수도망에도 달하지 않게 한다.
- PBT(잔류성, 생물농축성, 물질독성) 및 vPvB(고 잔류성, 고 생물농축성) 물질에 해당하지 않는다.
- PBT(잔류성, 생물농축성, 물질독성) 물질에 해당하지 않는다.
- vPvB(고 잔류성, 고 생물농축성) 물질에 해당하지 않는다.
- 기타 기타 적용 추가적인 정보가 존재하지 않습니다.

13 폐기시 주의사항

- 폐기물 처리 방법
- 권고 권고 환경 쓰레기와 함께 처리되어서는 안 된다. 하수도망으로 유입되어서는 안 된다.
- 비위생적 포장 포장
- 권고 권고 의지 침에 입각 한 쓰레기 처리.

물질안전보건자료 GHS에 따라라따

인쇄일자: 2022.09.16

개정: 2022.09.16

제품명: DDSA

(5 쪽부터계속)

14 운송에 필요한 정보

유엔 유엔번호 · ADR, IMDG, IATA	누락되다
적정적정적정명 · ADR, IMDG, IATA	누락되다
교통 교통운송 클래스 · ADR, ADN, IMDG, IATA	누락되다
등급등급등급 · 용기등급 · ADR, IMDG, IATA	누락되다
· 환경적 유해물질:	해당사항 없음.
· 이동특별특별조치	해당사항 없음.
· MARPOL73/78(선박으로부터의 해양오염방지협약) 부속서2 및 IBC Code(국제선적화물코드)에 따른 벌크물질 운송 운송	해당사항 없음.
· IBC Code(국제선적화물코드)에 따른 벌크물질 운송 운송	누락되다

15 법적 규제 현황

- 산업안전보건법에 의해 규제
- 제조제한물질: 성분이 포함되어 있지 않다
- 허가대상물질: 성분이 포함되어 있지 않다
- 관리대상 유해물질: 성분이 포함되어 있지 않다
- 작업환경 측정 대상 유해인자 성분이 포함되어 있지 않다
- 특수건강 관리 대상 유해인자 성분이 포함되어 있지 않다
- 해당해당해당 또는 포함 물에 대한 안전보건자료 작성 의무를 포함하지 않습니다.
- Korean Existing Chemical Inventory KE-10752
- 화학물질관리법
- 사고대비물질 성분이 포함되어 있지 않다
- 금지물질 성분이 포함되어 있지 않다
- 제한물질 성분이 포함되어 있지 않다
- 유독물질 성분이 포함되어 있지 않다
- 허가물질 성분이 포함되어 있지 않다
- 등록등록등록 또는 선제대상 화학물질 성분이 포함되어 있지 않다
- '21년까지 등록하여야 할 암, 돌연변이, 생식능력 이상을 일으키거나 일으킬 우려가 있는 화학물질 성분이 포함되어 있지 않다
- 중점관리물질(제관제관) 성분이 포함되어 있지 않다
- 라벨 라벨 라벨 요소
- 본 화학물질은 화학물질의 분류 및 표기에 관한 국제화학시스템(GHS)에 따라 분류 및 표기되었습니다.
- GHS 그림문자



GHS07

· 신호어 경고

(7 쪽에계속)

물질안전보건자료

GHS에 따라라따

인쇄일자: 2022.09.16

개정: 2022.09.16

제품명: DDSA

(6 쪽부터계속)

유해유해위험문구

- 눈에 심한 자극을 일으킴
- 알레르기성 피부 반응을 일으킬 수 있음
- 장기적인 영향에 의해 수생생물에 유해의 우려가 있음

· 예방조치문구

- 분진·흙·가스·미스트·증기·스프레이의 흡입을 피하십시오.
- 환경으로 배출하지 마시오.
- 보호장갑 / 눈 보호대 / 안면 보호구 착용.
- 눈에 묻으면 몇 분간 물로 조심해서 씻으시오. 가능하면 콘택트렌즈를 제거하십시오. 계속 씻으시오.
- 피부자극성 또는 홍반이 나타나면 의학적인 조언·주의를 받으시오.
- (지방/지역/국가/국제 규정에 따라) 에 내용물/용기를 폐기하십시오.

· 화학물질 안전성 평가 정보 화학물질 안전성 평가가 수행되지 않음

16 그 밖의 참고사항

이 보고는 우리 지식에 대한 오늘날의 상태에 대하여 평가하고 있다, 하지만 이 보고서는 생산 특성에 관한 보증은 기술하지 않았으며 계약적인 법률 관계에 기반을 두고 있지 않다

· 담당자:

최초 작성 일자: 2022.09.16
 개정 일자: 1 / 2022.09.16

· 약어와 두문자어:

- ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)
- IMDG: International Maritime Code for Dangerous Goods
- IATA: International Air Transport Association
- EINECS: European Inventory of Existing Commercial Chemical Substances
- CAS: Chemical Abstracts Service (division of the American Chemical Society)
- PBT: Persistent, Bioaccumulative and Toxic
- vPvB: very Persistent and very Bioaccumulative

Helaiian Data Keselamatan menurut P.U.(A) 310/2013

Tarikh cetak 16.09.2022

Disemak semula pada 16.09.2022

1 Pengenalan bahan kimia berbahaya dan pembekal

- **Pengenalan pasti produk**
- **Nama dagang:** DDSA
- **Nombor artikel:** 13700, 13701
- **Nombor EC:**
247-781-6
- **Kegunaan yang disarankan bagi bahan dan sekatan penggunaan** Tiada maklumat lanjut yang diperolehi.
- **Penggunaan bahan/sediaan** Bahan kimia makmal
- **Perincian pembekal** risalah data keselamatan
- **Pengilang/Pembekal:**
Electron Microscopy Sciences
1560 Industry Road
USA-Hatfield, PA 19440
Tel: 215-412-8400 Fax: 215-412-8450
email: info@emsdiasum.com
www.emsdiasum.com
- **Maklumat lanjut dapat diperolehi daripada:** Product safety department
- **Nombor telefon kecemasan:**
ChemTrec 1-800-424-9300 Contract CCN7661
1-703-527-3887

2 Pengenalan bahaya

- **Pengelasan bahan atau campuran**



Kreng. Mata 2 H319 Menyebabkan kerengsaan mata yang serius.

Pem. Kulit 1 H317 Boleh menyebabkan tindak balas alahan kulit.

Akuatik Kronik 4 H413 Boleh menyebabkan kesan mudarat yang kekal berpanjangan kepada hidupan akuatik.

- **Melabelkan unsur**
- **Unsur label GHS** Bahan ini dikelaskan dan dilabelkan menurut Sistem Terharmoni Global (GHS).
- **Piktogram bahaya**



GHS07

- **Kata isyarat** Amaran
- **Pernyataan Bahaya**
Menyebabkan kerengsaan mata yang serius.
Boleh menyebabkan tindak balas alahan kulit.
Boleh menyebabkan kesan mudarat yang kekal berpanjangan kepada hidupan akuatik.
- **Pernyataan Berjaga-jaga**
Elakkan daripada tersedut habuk/wasap/gas/kabus/wap/semburan.
Elakkan pelepasan bahan ke persekitaran.
Pakai sarung tangan pelindung / perlindungan mata / perlindungan muka.
JIKA TERKENA MATA: Bilas berhati-hati dengan air selama beberapa minit. Tanggalkan kanta lekap, jika ada dan dapat dilakukan dengan mudah. Teruskan membilas.
Basuh pakaian yang tercemar sebelum menggunakannya semula.

(Bersambung ke halaman 2)

Helaian Data Keselamatan menurut P.U.(A) 310/2013

Tarikh cetak 16.09.2022

Disemak semula pada 16.09.2022

Nama dagang: DDSA

(Sambungan halaman 1)

- Lupuskan kandungan/bekas menurut peraturan tempatan/wilayah/kebangsaan/antarabangsa.*
- **Bahaya lain**
- **Keputusan penilaian PBT dan vPvB**
- **PBT:** Tidak berkeajaan
- **vPvB:** Tidak berkeajaan

3 Komposisi dan maklumat mengenai ramuan bahan kimia berbahaya

- **Ciri kimia: Bahan**
- **Keterangan No. CAS**
DDSA
- **Nombor pengenalanpastian**
- **Nombor EC:** 247-781-6

4 Langkah-langkah pertolongan cemas

- **Keterangan langkah pertolongan cemas**
- **Jika tersedut:**
Berikan udara bersih dan pastikan rawatan doktor diperoleh.
Jika mangsa tidak sedarkan diri, letakkan pesakit dengan stabil dalam kedudukan mengiring untuk diangkat.
- **Jika terkena kulit:** *Segera basuh dengan air dan sabun serta bilas bersih-bersih.*
- **Jika terkena mata:**
Bilas mata sambil membukanya di bawah air yang mengalir selama beberapa minit. Jika gejala berterusan, hubungi doktor.
- **Jika tertelan:** *Jika gejala berterusan, hubungi doktor.*
- **Maklumat untuk doktor:**
- **Gejala dan kesan paling penting, akut dan lewat** *Tiada maklumat lanjut yang diperoleh.*
- **Arahan bagi apa-apa rawatan perubatan dan rawatan khas yang diperlukan**
Tiada maklumat lanjut yang diperoleh.

5 Langkah-langkah pepadaman kebakaran

- **Bahan pepadam api**
- **Agan pepadam yang sesuai:** *Gunakan kaedah pepadaman kebakaran yang sesuai dengan keadaan sekeliling.*
- **Bahaya khusus yang timbul daripada bahan atau campuran** *Tiada maklumat lanjut yang diperoleh.*
- **Panduan kepada pepadam kebakaran**
- **Kelengkapan perlindungan:** *Tiada langkah khusus diperlukan.*

6 Langkah-langkah pelepasan tidak sengaja

- **Langkah perlindungan diri, kelengkapan pelindung dan prosedur kecemasan** *Tidak diperlukan.*
- **Langkah perlindungan alam sekitar:**
Hubungi pihak berkuasa berkaitan jika berlaku peresapan masuk ke dalam saluran air atau sistem pembedungan. Jangan biarkannya memasuki pembentung/air permukaan atau tanah.
- **Kaedah dan bahan untuk pembendungan dan pembersihan:**
Lupuskan bahan yang dikumpul mengikut peraturan.
- **Rujukan ke bahagian lain**
Lihat Bahagian 7 untuk maklumat pengendalian yang selamat.
Lihat Bahagian 8 untuk maklumat kelengkapan perlindungan diri.

(Bersambung ke halaman 3)

Helaiian Data Keselamatan menurut P.U.(A) 310/2013

Tarikh cetak 16.09.2022

Disemak semula pada 16.09.2022

Nama dagang: DDSA

(Sambungan halaman 2)

Lihat Bahagian 13 untuk maklumat pelupusan.

7 Pengendalian dan penyimpanan

- **Pengendalian:**
- **Langkah perlindungan untuk pengendalian selamat** Buka dan kendalikan bekas dengan cermat.
- **Maklumat kebakaran dan perlindungan daripada letupan:** Pastikan alat perlindungan pernafasan sentiasa ada.
- **Keadaan untuk penyimpanan selamat, termasuk apa-apa ketakserasian**
- **Penyimpanan:**
- **Keperluan yang mesti dipenuhi oleh bilik stor dan ruang simpanan.** Tiada keperluan khusus.
- **Maklumat penyimpanan di dalam satu tempat penyimpanan yang biasa:** Tidak diperlukan.
- **Maklumat lanjut tentang syarat penyimpanan:** Pastikan bekas sentiasa bertutup rapat.
- **Kegunaan akhir yang khusus** Tiada maklumat lanjut yang diperoleh.

8 Kawalan pendedahan dan perlindungan diri

- **Maklumat tambahan tentang reka bentuk kemudahan teknikal:** Tiada maklumat lanjut, lihat perkara 7.
- **Parameter kawalan**
- **Ramuian dengan nilai had yang memerlukan pemantauan di tempat kerja:** Tidak diperlukan.
- **Maklumat tambahan:** Senarai yang sah semasa pembuatan digunakan sebagai asas.
- **Kawalan pendedahan**
- **Kelengkapan perlindungan diri:**
- **Langkah perlindungan dan kebersihan am:**
 - Jauhkan daripada makanan, minuman dan makanan haiwan.
 - Basuh tangan sebelum berhenti rehat dan apabila kerja selesai.
 - Simpan pakaian perlindungan secara berasingan.
 - Elakkan daripada terkena mata.
 - Elakkan daripada terkena mata dan kulit.
- **Perlindungan pernafasan:** Tidak diperlukan
- **Perlindungan tangan:**



Sarung tangan pelindung.

Bahan sarung tangan hendaklah telus dan kalis terhadap produk/bahan/sediaan.

Oleh sebab tiada ujian yang dijalankan, maka tiada syor bagi bahan sarung tangan yang boleh diberikan untuk produk/sediaan/campuran kimia.

Pemilihan bahan sarung tangan berdasarkan waktu penembusan, kadar pembauran dan degradasi.

- **Bahan sarung tangan**

Pemilihan sarung tangan yang sesuai bukan hanya bergantung pada bahannya, tetapi juga tanda kualiti lainnya serta perbezaannya daripada satu pengeluar dengan pengeluar yang lain.

- **Jangka masa penyerapan bahan sarung tangan**

Waktu kemunculan yang tepat hendaklah diperoleh pengeluar sarung tangan pelindung dan hendaklah dipatuhi.

(Bersambung ke halaman 4)

Helaiian Data Keselamatan menurut P.U.(A) 310/2013

Tarikh cetak 16.09.2022

Disemak semula pada 16.09.2022

Nama dagang: DDSA

(Sambungan halaman 3)

· **Perlindungan mata:**

Gogal bertutup rapat

9 Sifat fizikal dan kimia

· **Maklumat tentang ciri fizik dan kimia**· **Maklumat Am**· **Rupa:** **Bentuk:**

Likat

Warna:

Kekuningan

· **Bau:**

Ciri

· **Ambang bau**

Tidak ditentukan.

· **Nilai pH:**

Tidak ditentukan.

· **Perubahan pada keadaan** **Takat lebur/takat beku**

-20 °C

Takat didih awal dan julat didih

150 °C

· **Takat kilat:**

113 °C

· **Kemudahbakaran (pepejal, gas)**

Tidak berkenaan

· **Suhu penguraian:**

Tidak ditentukan.

· **Suhu pengautocucuhan**

Tidak ditentukan.

· **Bahaya letupan:**

Produk tidak ada bahaya letupan.

· **Had letupan :** **Bawah:**

Tidak ditentukan.

Atas:

Tidak ditentukan.

· **Tekanan wap pada 20 °C:**

0.765 hPa

· **Ketumpatan pada 20 °C:**1.005 g/cm³· **Ketumpatan bandingan**

Tidak ditentukan.

· **Ketumpatan wap**

Tidak ditentukan.

· **Kadar penyejatan**

Tidak berkenaan

· **Keterlarutan dalam / Keterlarutcampuran dengan** **Air pada 25 °C:**

0.01 g/l

· **Pekali sekatan: n-oktanol/air**

Tidak ditentukan.

· **Kelikatan:** **Dinamik:**

Tidak ditentukan.

Kinematik:

Tidak ditentukan.

· **Maklumat lain**

Tiadak maklumat lanjut yang diperoleh.

10 Kestabilan dan kereaktifan

· **Kereaktifan** Tiadak maklumat lanjut yang diperoleh.

(Bersambung ke halaman 5)

Helaiian Data Keselamatan menurut P.U.(A) 310/2013

Tarikh cetak 16.09.2022

Disemak semula pada 16.09.2022

Nama dagang: DDSA

(Sambungan halaman 4)

- **Kestabilan kimia**
- **Penguraian terma/keadaan yang perlu dielakkan:** Tiada penguraian jika digunakan mengikut spesifikasi.
- **Kemungkinan tindak balas berbahaya** Tiada tindak balas berbahaya yang diketahui.
- **Keadaan yang perlu dielakkan** Tiada maklumat lanjut yang diperoleh.
- **Bahan tidak serasi:** Tiada maklumat lanjut yang diperoleh.
- **Produk penguraian yang berbahaya:** Tiada produk penguraian berbahaya yang diketahui.

11 Maklumat toksikologi

- **Maklumat tentang kesan toksikologi**
- **Ketoksikan akut:**
- **Kesan kerengsaan primer:**
- **Kakisan atau kerengsaan kulit** Tiada kesan merengsa.
- **Kerosakan atau kerengsaan mata yang serius** Kesan merengsa.
- **Pemekaan pernafasan / kulit** Pemekaan mungkin berlaku jika terkena kulit.

12 Maklumat ekologi

- **Ketoksikan**
- **Ketoksikan akuatik:** Tiada maklumat lanjut yang diperoleh.
- **Keterusan dan keterdegradasikan** Tiada maklumat lanjut yang diperoleh.
- **Kelakuan dalam sistem alam sekitar:**
- **Potensi bioakumulatif** Tiada maklumat lanjut yang diperoleh.
- **Mobiliiti di dalam tanah** Tiada maklumat lanjut yang diperoleh.
- **Maklumat tambahan ekologi:**
- **Nota am:**
Bahaya air kelas 1 (Peraturan Jerman) (Penilaian mengikut senarai): sedikit berbahaya kepada air
Jangan biarkan produk yang tidak dicairkan atau dalam kuantiti yang banyak memasuki air tanah, saluran air atau sistem pembetulan.
- **Keputusan penilaian PBT dan vPvB**
- **PBT:** Tidak berkenaan
- **vPvB:** Tidak berkenaan
- **Kesan buruk yang lain** Tiada maklumat lanjut yang diperoleh.

13 Maklumat pelupusan

- **Kaedah rawatan sisa**
- **Syor:**
Tidak boleh dilupuskan bersama dengan sampah isi rumah. Jangan biarkan produk memasuki sistem pembentungan.
- **Pembungkusan yang tidak bersih:**
- **Syor:** Pelupusan mestilah dijalankan menurut peraturan rasmi

14 Maklumat pengangkutan

- **Nombor UN**
- **ADR, IMDG, IATA** Tidak sah

(Bersambung ke halaman 6)

Helaiian Data Keselamatan menurut P.U.(A) 310/2013

Tarikh cetak 16.09.2022

Disemak semula pada 16.09.2022

Nama dagang: DDSA

(Sambungan halaman 5)

· Nama penghantaran UN yang betul · ADR, IMDG, IATA	Tidak sah
· pengangkutan kelas bahaya · ADR, ADN, IMDG, IATA · Kelas	Tidak sah
· Kumpulan pembungkusan · ADR, IMDG, IATA	Tidak sah
· Hazard persekitaran:	Tidak berkenaan
· Langkah perlindungan khas untuk pengguna	Tidak berkenaan
· Pengangkutan dalam pukal menurut Lampiran II MARPOL73/78 dan Kod IBC	Tidak berkenaan
· "Peraturan Model" UN:	Tidak sah

15 Maklumat pengawalseliaan

- Peraturan/undang-undang keselamatan, kesihatan dan persekitaran khusus untuk bahan atau campuran tersebut
Tiada maklumat lanjut yang diperoleh.
- Senarai Rujukan Bahan Berbahaya Alam Sekitar Bahan tidak disenaraikan.
- Unsur label GHS Bahan ini dikelaskan dan dilabelkan menurut Sistem Terharmonisasi Global (GHS).
- Piktogram hazard



GHS07

- Perkataan isyarat Amaran
- Pernyataan hazard
Menyebabkan kerengsaan mata yang serius.
Boleh menyebabkan tindak balas alahan kulit.
Boleh menyebabkan kesan mudarat yang kekal berpanjangan kepada hidupan akuatik.
- Pernyataan langkah perlindungan
Elakkan daripada tersedut habuk/wasap/gas/kabus/wap/semburan.
Elakkan pelepasan bahan ke persekitaran.
Pakai sarung tangan pelindung / perlindungan mata / perlindungan muka.
JIKA TERKENA MATA: Bilas berhati-hati dengan air selama beberapa minit. Tanggalkan kanta lekap, jika ada dan dapat dilakukan dengan mudah. Teruskan membilas.
Basuh pakaian yang tercemar sebelum menggunakannya semula.
Lupuskan kandungan/bekas menurut peraturan tempatan/wilayah/kebangsaan/antarabangsa.
- Penilaian keselamatan bahan kimia: Penilaian Keselamatan Bahan Kimia belum dilakukan.

16 Maklumat lain

Maklumat ini berdasarkan maklumat kami yang terkini. Walau bagaimanapun, ini tidak akan menjadi jaminan bagi apa-apa ciri produk yang khusus dan tidak akan mewujudkan hubungan kontraktual yang sah dari segi undang-undang.

(Bersambung ke halaman 7)

Helaiian Data Keselamatan
menurut P.U.(A) 310/2013

Tarikh cetak 16.09.2022

Disemak semula pada 16.09.2022

Nama dagang: DDSA

(Sambungan halaman 6)

· **Hubungi:**

· **Singkatan dan akronim:**

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

EINECS: European Inventory of Existing Commercial Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

Kreng. Mata 2: Kerosakan mata atau kerengsaan mata yang serius – Kategori 2

Pem. Kulit 1: Pemekaan kulit – Kategori 1

Akuatik Kronik 4: Berbahaya kepada persekitaran akuatik - bahaya kronik – Kategori 4

-MY-

Sikkerhetsdatablad
iflg. forordning (EF) nr. 1907/2006, Artikkel 31

Trykkdato: 16.09.2022

revidert den: 16.09.2022

Avsnitt 1: Identifikasjon av stoffet/stoffblandingen og av selskapet/foretaket

- **1.1 Produktidentifikator**
- **Handelsnavn:** DDSA
- **Artikkelnummer:** 13700, 13701
- **EC nummer:**
247-781-6
- **1.2 Relevante identifiserte bruksområder for stoffet eller stoffblandingen og bruk som frarådes**
Ikke noe mer relevant informasjon tilgjengelig.
- **Bruk av stoffet/ tilberedning** laboratoriekjemikalier
- **1.3 Opplysninger om leverandøren av sikkerhetsdatabladet**
- **Produsent/leverandør:**
Electron Microscopy Sciences
1560 Industry Road
USA-Hatfield, PA 19440
Tel: 215-412-8400 Fax: 215-412-8450
email: info@emsdiasum.com
www.emsdiasum.com
- **Avdeling for nærmere informasjon:** Product safety department
- **1.4 Nødtelefonnummer**
ChemTrec 1-800-424-9300 Contract CCN7661
1-703-527-3887

Avsnitt 2: Fareidentifikasjon

- **2.1 Klassifisering av stoffet eller stoffblandingen**
- **Klassifisering i henhold til EC-forskrift nr.1272/2008**



GHS07

Eye Irrit. 2 H319 Gir alvorlig øyeirritasjon.
Skin Sens. 1 H317 Kan utløse en allergisk hudreaksjon.
.....
Aquatic Chronic 4 H413 Kan forårsake skadelige langtidsvirkninger for liv i vann.

- **2.2 Merkingselementer**
- **Merking iht. bestemmelse (EC) Nr. 1272/2008**
Substansen er klassifisert og merket i henhold til CLP-forordningen.
- **Farepiktogrammer**



GHS07

- **Varselord** Advarsel
- **Faresetninger**
H319 Gir alvorlig øyeirritasjon.
H317 Kan utløse en allergisk hudreaksjon.
H413 Kan forårsake skadelige langtidsvirkninger for liv i vann.
- **Sikkerhetssetninger**
P261 Unngå innånding av støv/røyk/gass/tåke/damp/aerosoler.
P273 Unngå utslipp til miljøet.

(fortsatt på side 2)

Sikkerhetsdatablad

iflg. forordning (EF) nr. 1907/2006, Artikkel 31

Trykkdato: 16.09.2022

revidert den: 16.09.2022

Handelsnavn: DDSA

(fortsatt fra side 1)

- P280 Benytt vernehansker/øyevern/ansiktsvern.
 P305+P351+P338 VED KONTAKT MED ØYNENE: Skyll forsiktig med vann i flere minutter. Fjern eventuelle kontaktlinser dersom dette enkelt lar seg gjøre. Fortsett skyllingen.
 P333+P313 Ved hudirritasjon eller utslett: Søk legehjelp.
 P501 Innholdet / emballasjen skal avhendes i henhold til de lokale / regionale / nasjonale / internasjonale forskrifter.
- **2.3 Andre farer**
 - **Resultater av PBT- og vPvB-vurdering**
 - **PBT:** Ikke brukbar.
 - **vPvB:** Ikke brukbar.

Avsnitt 3: Sammensetning/opplysninger om bestanddeler

- **3.1 Kjemisk karakterisering: Stoffer**
- **CAS-nr. betegnelse**
DDSA
- **Identifikasjonsnummer(numre)**
- **EC nummer:** 247-781-6

Avsnitt 4: Førstehjelpstiltak

- **4.1 Beskrivelse av førstehjelpstiltak**
- **Etter innånding:**
Rikelig frisklufttilførsel, søk legehjelp for sikkerhets skyld.
Ved bevisstløshet lagring og transport i stabil sidestilling.
- **Etter hudkontakt:** Vask straks med vann og sepe og skyll godt etterpå.
- **Etter øyekontakt:**
Skyll øynene med åpne øyenlokk i flere minutter under rennende vann. Ved fortsatt besvær tilkall lege.
- **Etter svelging:** Ved fortsatt besvær må lege konsulteres.
- **4.2 De viktigste symptomene og virkningene, både akutte og forsinkede**
Ikke noe mer relevant informasjon tilgjengelig.
- **4.3 Angivelse av om umiddelbar legehjelp og spesialbehandling er nødvendig**
Ikke noe mer relevant informasjon tilgjengelig.

Avsnitt 5: Brannsløkkingstiltak

- **5.1 Sløkkingsmidler**
- **Egnede slukningsmidler:** Brannslukningstiltak tilpasses omgivelsene.
- **5.2 Særlige farer knyttet til stoffet eller stoffblandingen** Ikke noe mer relevant informasjon tilgjengelig.
- **5.3 Råd til brannmannskaper**
- **Spesielt verneutstyr:** Ingen spesielle tiltak nødvendig.

Avsnitt 6: Tiltak ved utilsiktede utslipp

- **6.1 Personlige forsiktighetsregler, personlig verneutstyr og nødrutiner** Ikke nødvendig.
- **6.2 Forsiktighetsregler med hensyn til miljø**
Ansvarlige myndigheter varsles hvis produktet er kommet ned i vassdrag eller kloakk.
La ikke produktet komme ned i kloakk/overflatevann/grunnvann.
- **6.3 Metoder og materialer for oppsamling og rensing** Oppsamlet materiale bortskaffes forskriftsmessig.
- **6.4 Henvisning til andre avsnitt**
Informasjoner om sikker håndtering, se kapittel 7.

(fortsatt på side 3)

Sikkerhetsdatablad

iflg. forordning (EF) nr. 1907/2006, Artikkel 31

Trykkdato: 16.09.2022

revidert den: 16.09.2022

Handelsnavn: DDSA

(fortsatt fra side 2)

Informasjoner om personlig beskyttelsesutstyr, se kapittel 8.
Informasjoner om bortskaffelse/deponering, se kapittel 13.

Avsnitt 7: Håndtering og lagring

- **7.1 Forsiktighetsregler for sikker håndtering** Beholderne må åpnes og håndteres forsiktig.
- **Henvisninger om brann- og eksplosjonsvern:** Hold åndedrettsbeskyttelse i beredskap.
- **7.2 Vilkår for sikker lagring, herunder eventuelle uforenligheter**
- **Lagring:**
- **Krav til lagerrom og beholdere:** Ingen spesielle krav.
- **Informasjoner om felles lagring:** Ikke nødvendig.
- **Ytterligere informasjon om lagervilkårene:** Hold beholderne tett tillukket.
- **7.3 Særlig(e) sluttanvendelse(r)** Ikke noe mer relevant informasjon tilgjengelig.

Avsnitt 8: Eksponeringskontroll / personlig verneutstyr

- **8.1 Kontrollparametere**
- **Ytterligere informasjon om utforming av tekniske anlegg:** Ingen ytterligere informasjon, se punkt 7.
- **Komponenter med grenseverdier for arbeidsplass som må overholdes:** Bortfaller.
- **Ytterligere informasjon:** Basis: listene som var gyldige ved oppstillingen.
- **8.2 Eksponeringskontroll**
- **Personlig verneutstyr:**
- **Generelle verne- og hygienetiltak:**
- Holdes adskilt fra næringsmidler, drikkevarer og fôrstoffer.
- Vask hendene før arbeidspauser og ved arbeidets slutt.
- Beskyttelsesklær må oppbevares adskilt.
- Unngå berøring med øynene.
- Unngå berøring med øyne og hud.
- **Åndedrettsvern:** Ikke nødvendig.
- **Håndvern:**



Beskyttelseshansker

- Hanskematerialet må være ugjennomtrengelig og bestandig overfor produktet /stoffet /blandingen.
På grunn av manglende tester kan det ikke gis noen anbefaling om hanskemateriale for produktet / tilberedningsprosessen/kjemikalieblanding.
- Hanskematerialet velges under hensyntagen til holdbarhetstid, gjennomtrengelighet og degradering.
- **hanskemateriale**
 - Valget av egnet hanske er ikke bare avhengig av materiale, men også av andre kvalitetskjenner og er forskjellig fra produsent til produsent.
 - **gjennomtrengingstid for hanskemateriale**
 - Den nøyaktige holdbarhetstiden må bringes på det rene hos hanskeprodusenten og overholdes.

(fortsatt på side 4)

Sikkerhetsdatablad

iflg. forordning (EF) nr. 1907/2006, Artikkel 31

Trykkdato: 16.09.2022

revidert den: 16.09.2022

Handelsnavn: DDSA

(fortsatt fra side 3)

· Øyevern:



Tettsittende vernebrille

Avsnitt 9: Fysiske og kjemiske egenskaper

· 9.1 Opplysninger om grunnleggende fysiske og kjemiske egenskaper

· alminnelige opplysninger

· Utseende:

Form: Seigtflytende

Farge: Gulaktig

· Lukt: Karakteristisk

· Luktterskel: Ikke bestemt.

· pH-verdi: Ikke bestemt.

· Tilstandsendring

Smeltepunkt/frysepunkt: -20 °C

Startkokepunkt og kokeområde: 150 °C

· Flammepunkt: 113 °C

· Antennelighet (fast stoff, gass): Ikke brukbar.

· Nedbrytingstemperatur: Ikke bestemt.

· Selvantennelsestemperatur: Ikke bestemt.

· Eksplosive egenskaper: Produktet er ikke eksplosjonsfarlig.

· Eksplosjonsgrenser:

Nedre: Ikke bestemt.

Øvre: Ikke bestemt.

· Damptrykk ved 20 °C: 0,765 hPa

· Tetthet ved 20 °C: 1,005 g/cm³

· Relativ tetthet: Ikke bestemt.

· Damptetthet: Ikke bestemt.

· Fordampingshastighet: Ikke brukbar.

· Løslighet i / blandbarhet med vann ved 25 °C:

0,01 g/l

· Fordelingskoeffisient; n-oktanol/vann: Ikke bestemt.

· Viskositet:

Dynamisk: Ikke bestemt.

Kinematisk: Ikke bestemt.

· 9.2 Andre opplysninger: Ikke noe mer relevant informasjon tilgjengelig.

Avsnitt 10: Stabilitet og reaktivitet

· 10.1 Reaktivitet: Ikke noe mer relevant informasjon tilgjengelig.

(fortsatt på side 5)

Sikkerhetsdatablad

iflg. forordning (EF) nr. 1907/2006, Artikkel 31

Trykkdato: 16.09.2022

revidert den: 16.09.2022

Handelsnavn: DDSA

(fortsatt fra side 4)

- **10.2 Kjemisk stabilitet**
- **Termisk spaltning / vilkår som må unngås:** Ingen spaltning ved formålsriktig bruk.
- **10.3 Risiko for farlige reaksjoner** Det kjennes ingen farlige reaksjoner.
- **10.4 Forhold som skal unngås** Ikke noe mer relevant informasjon tilgjengelig.
- **10.5 Uforenlige materialer** Ikke noe mer relevant informasjon tilgjengelig.
- **10.6 Farlige nedbrytingsprodukter** Ingen farlige spaltningsprodukter kjente.

Avsnitt 11: Toksikologiske opplysninger

- **11.1 Opplysninger om toksikologiske virkninger**
- **Akutt giftighet** Basert på tilgjengelige data, klassifiseringskriteriene ikke oppfylt.
- **Primær irritasjonsvirkning:**
- **Hudetsing/hudirritasjon** Basert på tilgjengelige data, klassifiseringskriteriene ikke oppfylt.
- **Alvorlig øyeskade/øyeirritasjon**
Gir alvorlig øyeirritasjon.
- **Sensibilisering ved innånding eller hudkontakt**
Kan utløse en allergisk hudreaksjon.
- **Informasjon om følgende grupper med potensielle virkninger:**
- **CMR-virkninger (kreftfremkallende virkninger, arvestoffskadelige og reproduksjonsskadelige virkninger)**
- **Arvestoffskadelig virkning på kjønnseller** Basert på tilgjengelige data, klassifiseringskriteriene ikke oppfylt.
- **Kreftfremkallende egenskap** Basert på tilgjengelige data, klassifiseringskriteriene ikke oppfylt.
- **Reproduksjonstoksicitet** Basert på tilgjengelige data, klassifiseringskriteriene ikke oppfylt.
- **STOT – enkelteksponering** Basert på tilgjengelige data, klassifiseringskriteriene ikke oppfylt.
- **STOT – gjentatt eksponering** Basert på tilgjengelige data, klassifiseringskriteriene ikke oppfylt.
- **Aspirasjonsfare** Basert på tilgjengelige data, klassifiseringskriteriene ikke oppfylt.

Avsnitt 12: Økologiske opplysninger

- **12.1 Giftighet**
- **Akvatisk toksisitet:** Ikke noe mer relevant informasjon tilgjengelig.
- **12.2 Persistens og nedbrytbarhet** Ikke noe mer relevant informasjon tilgjengelig.
- **12.3 Bioakkumuleringsevne** Ikke noe mer relevant informasjon tilgjengelig.
- **12.4 Mobilitet i jord** Ikke noe mer relevant informasjon tilgjengelig.
- **Ytterligere økologiske informasjoner:**
- **Generelle informasjoner:**
Vannfareklasse 1 (D) (listeklassifisering): lett farlig for vann
Ikke la stoffet komme ufortynnet ned i grunnvannet, i vassdrag eller i kloakker.
- **12.5 Resultater av PBT- og vPvB-vurdering**
- **PBT:** Ikke brukbar.
- **vPvB:** Ikke brukbar.
- **12.6 Andre skadevirkninger** Ikke noe mer relevant informasjon tilgjengelig.

Avsnitt 13: Sluttbehandling

- **13.1 Avfallsbehandlingsmetoder**
- **Anbefaling:** Må ikke bortskaffes sammen med husholdningsavfall. Må ikke komme ned i kloakk.
- **Ikke rengjort emballasje:**
- **Anbefaling:** Deponering i henhold til myndighetenes forskrifter.

NO

(fortsatt på side 6)

Sikkerhetsdatablad

iflg. forordning (EF) nr. 1907/2006, Artikkel 31

Trykkdato: 16.09.2022

revidert den: 16.09.2022

Handelsnavn: DDSA

(fortsatt fra side 5)

Avsnitt 14: Transportopplysninger

· 14.1 FN-nummer · ADR, IMDG, IATA	bortfaller
· 14.2 FN-forsendelsesnavn · ADR, IMDG, IATA	bortfaller
· 14.3 Transportfareklasse(r) · ADR, ADN, IMDG, IATA · klasse	bortfaller
· 14.4 Emballasjegruppe · ADR, IMDG, IATA	bortfaller
· 14.5 Miljøfarer	Ikke brukbar.
· 14.6 Særlige forsiktighetsregler ved bruk	Ikke brukbar.
· 14.7 Bulktransport i henhold til vedlegg II til MARPOL 73/78 og IBC-regelverket	Ikke brukbar.
· UN "Model Regulation":	bortfaller

Avsnitt 15: Opplysninger om regelverk

- 15.1 Særlige bestemmelser / særskilt lovgivning om sikkerhet, helse og miljø for stoffet eller stoffblandingen
 - Direktiv 2012/18/EU
 - Spesifiserte farlige stoffer - VEDLEGG I Inneholder ikke stoffet.
 - Direktiv 2011/65/EF om begrensning av bruken av visse farlige stoffer i elektrisk og elektronisk utstyr - Vedlegg II
Inneholder ikke stoffet.
 - Forordning (EF) nr. 273/2004 om utgangsstoffer for narkotika Inneholder ikke stoffet.
 - Forordning (EF) nr. 111/2005 om fastsettelse av regler for overvåking av handelen med utgangsstoffer for narkotika mel-lom Fellesskapet og tredjestater
Inneholder ikke stoffet.
- 15.2 Vurdering av kjemikaliesikkerhet En kjemisk sikkerhetsvurdering er ikke utført.

Avsnitt 16: Andre opplysninger

Opplysningene er basert på vårt kjennskap i dag. De utgjør dog ingen forsikring om produktgenskaper og er ikke grunnlag for noe kontraktmessig rettsforhold.

- **Forkortelser og akronymer:**
 - ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)
 - IMDG: International Maritime Code for Dangerous Goods
 - IATA: International Air Transport Association
 - GHS: Globally Harmonised System of Classification and Labelling of Chemicals
 - EINECS: European Inventory of Existing Commercial Chemical Substances
 - CAS: Chemical Abstracts Service (division of the American Chemical Society)
 - PBT: Persistent, Bioaccumulative and Toxic
 - vPvB: very Persistent and very Bioaccumulative
 - Eye Irrit. 2: Alvorlig øyeskade/øyeirritasjon – Kategori 2
 - Skin Sens. 1: Hudsensibilisering – Kategori 1
 - Aquatic Chronic 4: Farlig for vannmiljøet - langsiktig fare for vannmiljøet – Kategori 4

Ficha de dados de segurança
em conformidade com 1907/2006/CE, Artigo 31º

data da impressão 16.09.2022

Revisão: 16.09.2022

SECÇÃO 1: Identificação da substância/mistura e da sociedade/empresa

- **1.1 Identificador do produto**
- **Nome comercial:** DDSA
- **Código do produto:** 13700, 13701
- **Número CE:**
247-781-6
- **1.2 Utilizações identificadas relevantes da substância ou mistura e utilizações desaconselhadas**
Não existe mais nenhuma informação relevante disponível.
- **Utilização da substância / da preparação** Químicos de laboratório
- **1.3 Identificação do fornecedor da ficha de dados de segurança**
- **Fabricante/fornecedor:**
Electron Microscopy Sciences
1560 Industry Road
USA-Hatfield, PA 19440
Tel: 215-412-8400 Fax: 215-412-8450
email: info@emsdiasum.com
www.emsdiasum.com
- **Entidade para obtenção de informações adicionais:** Product safety department
- **1.4 Número de telefone de emergência:**
ChemTrec 1-800-424-9300 Contract CCN7661
1-703-527-3887

SECÇÃO 2: Identificação dos perigos

- **2.1 Classificação da substância ou mistura**
- **Classificação em conformidade com o Regulamento (CE) n.º 1272/2008**



GHS07

- Eye Irrit. 2 H319 Provoca irritação ocular grave.
Skin Sens. 1 H317 Pode provocar uma reacção alérgica cutânea.
.....
Aquatic Chronic 4 H413 Pode provocar efeitos nocivos duradouros nos organismos aquáticos.

- **2.2 Elementos do rótulo**
- **Rotulagem em conformidade com o Regulamento (CE) n.º 1272/2008**
A substância classificou-se e está etiquetado em conformidade com o regulamento CLP.
- **Pictogramas de perigo**



GHS07

- **Palavra-sinal** Atenção
- **Advertências de perigo**
H319 Provoca irritação ocular grave.
H317 Pode provocar uma reacção alérgica cutânea.
H413 Pode provocar efeitos nocivos duradouros nos organismos aquáticos.
- **Recomendações de prudência**
P261 Evitar respirar as poeiras/fumos/gases/névoas/vapores/aerossóis.
P273 Evitar a libertação para o ambiente.

(continuação na página 2)

Ficha de dados de segurança

em conformidade com 1907/2006/CE, Artigo 31º

data da impressão 16.09.2022

Revisão: 16.09.2022

Nome comercial: DDSA

(continuação da página 1)

- P280 Usar luvas de proteção / proteção ocular / proteção facial.
- P305+P351+P338 **SE ENTRAR EM CONTACTO COM OS OLHOS:** Enxaguar cuidadosamente com água durante vários minutos. Se usar lentes de contacto, retire-as, se tal lhe for possível. Continue a enxaguar.
- P333+P313 Em caso de irritação ou erupção cutânea: consulte um médico.
- P501 Eliminar o conteúdo/recipiente de acordo com a legislação local/regional/nacional/internacional.
- **2.3 Outros perigos**
 - **Resultados da avaliação PBT e mPmB**
 - **PBT:** Não aplicável.
 - **mPmB:** Não aplicável.

SECÇÃO 3: Composição/informação sobre os componentes

- **3.1 Caracterização química: Substâncias**
- **Designação CAS n°**
DDSA
- **Número(s) de identificação**
- **Número CE:** 247-781-6

SECÇÃO 4: Medidas de primeiros socorros

- **4.1 Descrição das medidas de primeiros socorros**
- **Em caso de inalação:**
Assegurar uma boa entrada de oxigénio e, por razões de segurança, procurar auxílio médico.
Se a vítima estiver inconsciente, posicioná-la e transportá-la com estabilidade, deitada lateralmente.
- **Em caso de contacto com a pele:** Lavar imediatamente com água e sabão e enxaguar abundantemente.
- **Em caso de contacto com os olhos:**
Enxaguar os olhos durante alguns minutos sob água corrente, mantendo as pálpebras abertas. Em caso de persistência dos sintomas, consultar o médico.
- **Em caso de ingestão:** Se os sintomas persistirem, consultar o médico.
- **4.2 Sintomas e efeitos mais importantes, tanto agudos como retardados**
Não existe mais nenhuma informação relevante disponível.
- **4.3 Indicações sobre cuidados médicos urgentes e tratamentos especiais necessários**
Não existe mais nenhuma informação relevante disponível.

SECÇÃO 5: Medidas de combate a incêndios

- **5.1 Meios de extinção**
- **Meios adequados de extinção:** Coordenar no local medidas para extinção do fogo.
- **5.2 Perigos especiais decorrentes da substância ou mistura**
Não existe mais nenhuma informação relevante disponível.
- **5.3 Recomendações para o pessoal de combate a incêndios**
- **Equipamento especial de protecção:** Não são necessárias medidas especiais.

SECÇÃO 6: Medidas a tomar em caso de fugas acidentais

- **6.1 Precauções individuais, equipamento de protecção e procedimentos de emergência** Não necessário.
- **6.2 Precauções a nível ambiental:**
Em caso de infiltrações nos leitos de água ou na canalização, comunicar aos serviços públicos competentes.
Evitar que penetre na canalização / águas superficiais / águas subterrâneas.

(continuação na página 3)

Ficha de dados de segurança

em conformidade com 1907/2006/CE, Artigo 31º

data da impressão 16.09.2022

Revisão: 16.09.2022

Nome comercial: DDSA

(continuação da página 2)

- **6.3 Métodos e materiais de confinamento e limpeza:**
Eliminar o material recolhido, de acordo com a legislação em vigor.
- **6.4 Remissão para outras secções**
Para informações sobre uma manipulação segura, ver o capítulo 7.
Para informações referentes ao equipamento de protecção individual, ver o capítulo 8.
Para informações referentes à eliminação residual, ver o capítulo 13.

SECÇÃO 7: Manuseamento e armazenagem

- **7.1 Precauções para um manuseamento seguro** Abrir e manusear o recipiente com cuidado
- **Precauções para prevenir incêndios e explosões:** Manter uma máscara de respiração sempre preparada.
- **7.2 Condições de armazenagem segura, incluindo eventuais incompatibilidades**
- **Armazenagem:**
- **Requisitos para espaços ou contentores para armazenagem:** Sem requisitos especiais.
- **Avisos para armazenagem conjunta:** Não necessário.
- **Outros avisos sobre as condições de armazenagem:** Manter o recipiente hermeticamente fechado.
- **7.3 Utilização(ões) final(is) específica(s)** Não existe mais nenhuma informação relevante disponível.

SECÇÃO 8: Controlo da exposição/Protecção individual

- **8.1 Parâmetros de controlo**
- **Indicações adicionais para concepção de instalações técnicas:** Não existem outras informações, ver ponto 7.
- **Componentes cujo valor do limite de exposição no local de trabalho deve ser monitorizado:** Não aplicável.
- **Indicações adicionais:** Foram utilizadas como base as listas válidas à data da elaboração.
- **8.2 Controlo da exposição**
- **Equipamento de protecção individual:**
- **Medidas gerais de protecção e higiene:**
Manter afastado de alimentos, bebidas e forragens.
Lavar as mãos antes das pausas e no fim do trabalho.
Guardar o vestuário de protecção separadamente.
Evitar o contacto com os olhos.
Evitar o contacto com os olhos e com a pele.
- **Protecção respiratória:** Não necessário.
- **Protecção das mãos:**



Luvas de protecção

O material das luvas tem de ser impermeável e resistente ao produto / à substância / preparação.
Uma vez que não foram realizados testes nesta área, não podemos recomendar um determinado tipo de material para as luvas que seja adequado para o produto / a preparação / a mistura de químicos.
Escolher o material das luvas tendo em consideração a durabilidade, a permeabilidade e a degradação.

- **Material das luvas**
A escolha das luvas mais adequadas não depende apenas do material, mas também de outras características qualitativas e varia de fabricante para fabricante.
- **Tempo de penetração no material das luvas**
Deve informar-se sobre a validade exacta das suas luvas junto do fabricante e respeitá-la.

(continuação na página 4)

Ficha de dados de segurança
em conformidade com 1907/2006/CE, Artigo 31º

data da impressão 16.09.2022

Revisão: 16.09.2022

Nome comercial: DDSA

(continuação da página 3)

· **Protecção dos olhos:**

Óculos de protecção totalmente fechados

SECÇÃO 9: Propriedades físico-químicas

· **9.1 Informações sobre propriedades físicas e químicas de base**· **Informações gerais**· **Aspetto:**

Forma:

Espesso

Cor:

Amarelado

· **Odor:**

Característico

· **Limiar olfactivo:**

Não determinado.

· **valor pH:**

Não determinado.

· **Mudança do estado:**

Ponto de fusão/ponto de congelação: -20 °C

Ponto de ebulição inicial e intervalo de ebulição: 150 °C

· **Ponto de inflamação:**

113 °C

· **Inflamabilidade (sólido, gás):**

Não aplicável.

· **Temperatura de decomposição:**

Não determinado.

· **Temperatura de autoignição:**

Não determinado.

· **Propriedades explosivas:**

O produto não corre o risco de explosão.

· **Limites de explosão:**

Inferior:

Não determinado.

Superior:

Não determinado.

· **Pressão de vapor em 20 °C:**

0,765 hPa

· **Densidade em 20 °C:**1,005 g/cm³· **Densidade relativa**

Não determinado.

· **Densidade de vapor**

Não determinado.

· **Taxa de evaporação:**

Não aplicável.

· **Solubilidade em / miscibilidade com
água em 25 °C:**

0,01 g/l

· **Coefficiente de partição: n-octanol/água**

Não determinado.

· **Viscosidade:**

Dinâmico:

Não determinado.

Cinmático:

Não determinado.

· **9.2 Outras informações**

Não existe mais nenhuma informação relevante disponível.

SECÇÃO 10: Estabilidade e reactividade

· **10.1 Reactividade** Não existe mais nenhuma informação relevante disponível.

(continuação na página 5)

Ficha de dados de segurança em conformidade com 1907/2006/CE, Artigo 31º

data da impressão 16.09.2022

Revisão: 16.09.2022

Nome comercial: DDSA

(continuação da página 4)

- **10.2 Estabilidade química**
- **Decomposição térmica / condições a evitar:** Não existe decomposição se usado de acordo com as especificações.
- **10.3 Possibilidade de reações perigosas** Não se conhecem reações perigosas.
- **10.4 Condições a evitar** Não existe mais nenhuma informação relevante disponível.
- **10.5 Materiais incompatíveis:** Não existe mais nenhuma informação relevante disponível.
- **10.6 Produtos de decomposição perigosos:** Não se conhecem produtos de decomposição perigosos.

SECÇÃO 11: Informação toxicológica

- **11.1 Informações sobre os efeitos toxicológicos**
- **Toxicidade aguda** Com base nos dados disponíveis, os critérios de classificação não são preenchidos.
- **Efeito de irritabilidade primário:**
- **Corrosão/irritação cutânea** Com base nos dados disponíveis, os critérios de classificação não são preenchidos.
- **Lesões oculares graves/irritação ocular**
Provoca irritação ocular grave.
- **Sensibilização respiratória ou cutânea**
Pode provocar uma reacção alérgica cutânea.
- **Avisos adicionais de toxicologia:**
- **Efeitos CMR (carcinogenicidade, mutagenicidade e efeitos tóxicos na reprodução)**
- **Mutagenicidade em células germinativas**
Com base nos dados disponíveis, os critérios de classificação não são preenchidos.
- **Carcinogenicidade** Com base nos dados disponíveis, os critérios de classificação não são preenchidos.
- **Toxicidade reprodutiva** Com base nos dados disponíveis, os critérios de classificação não são preenchidos.
- **Toxicidade para órgãos-alvo específicos (STOT) - exposição única**
Com base nos dados disponíveis, os critérios de classificação não são preenchidos.
- **Toxicidade para órgãos-alvo específicos (STOT) - exposição repetida**
Com base nos dados disponíveis, os critérios de classificação não são preenchidos.
- **Perigo de aspiração** Com base nos dados disponíveis, os critérios de classificação não são preenchidos.

SECÇÃO 12: Informação ecológica

- **12.1 Toxicidade**
- **Toxicidade aquática:** Não existe mais nenhuma informação relevante disponível.
- **12.2 Persistência e degradabilidade** Não existe mais nenhuma informação relevante disponível.
- **12.3 Potencial de bioacumulação** Não existe mais nenhuma informação relevante disponível.
- **12.4 Mobilidade no solo** Não existe mais nenhuma informação relevante disponível.
- **Outras indicações ecológicas:**
- **Indicações gerais:**
Classe de perigo para a água 1 (D) (classificação pelas listas): pouco perigoso para a água
Não deixar chegar substâncias concentradas, ou seja quantidades grandes, às águas subterrâneas, aos cursos de água ou à canalização.
- **12.5 Resultados da avaliação PBT e mPmB**
- **PBT:** Não aplicável.
- **mPmB:** Não aplicável.
- **12.6 Outros efeitos adversos** Não existe mais nenhuma informação relevante disponível.

SECÇÃO 13: Considerações relativas à eliminação

- **13.1 Métodos de tratamento de resíduos**
- **Recomendação:** Não se pode eliminar juntamente com o lixo doméstico. Não permita que chegue à canalização.

(continuação na página 6)

Ficha de dados de segurança
em conformidade com 1907/2006/CE, Artigo 31º

data da impressão 16.09.2022

Revisão: 16.09.2022

Nome comercial: DDSA

(continuação da página 5)

- Embalagens contaminadas:
- Recomendação: Eliminação residual conforme o regulamento dos serviços públicos.

SECÇÃO 14: Informações relativas ao transporte

- | | |
|--|----------------|
| · 14.1 Número ONU
· ADR, IMDG, IATA | não aplicável |
| · 14.2 Designação oficial de transporte da ONU
· ADR, IMDG, IATA | não aplicável |
| · 14.3 Classes de perigo para efeitos de transporte
· ADR, ADN, IMDG, IATA
· Classe | não aplicável |
| · 14.4 Grupo de embalagem
· ADR, IMDG, IATA | não aplicável |
| · 14.5 Perigos para o ambiente: | Não aplicável. |
| · 14.6 Precauções especiais para o utilizador | Não aplicável. |
| · 14.7 Transporte a granel em conformidade com o anexo II da Convenção MARPOL e o Código IBC | Não aplicável. |
| · UN "Model Regulation": | não aplicável |

SECÇÃO 15: Informação sobre regulamentação

- 15.1 Regulamentação/legislação específica para a substância ou mistura em matéria de saúde, segurança e ambiente
- Diretiva 2012/18/UE
- Substâncias perigosas designadas - ANEXO I A substância não está listada.
- Directiva 2011/65/UE relativa à restrição do uso de determinadas substâncias perigosas em equipamentos eléctricos e electrónicos - Anexo II
A substância não está listada.
- REGULAMENTO (UE) 2019/1148
- Anexo I - PRECURSORES DE EXPLOSIVOS OBJETO DE RESTRIÇÕES (Valor-limite máximo para efeitos de licenciamento nos termos do artigo 5.o, n.o 3)
A substância não está listada.
- Anexo II - PRECURSORES DE EXPLOSIVOS PASSÍVEIS DE PARTICIPAÇÃO
A substância não está listada.
- Regulamento (CE) n.º 273/2004 relativo aos precursores de drogas A substância não está listada.
- Regulamento (CE) n.º 111/2005 que estabelece regras de controlo do comércio de precursores de drogas entre a Comunidade e países terceiros
A substância não está listada.
- 15.2 Avaliação da segurança química: Não foi realizada nenhuma Avaliação de Segurança Química.

SECÇÃO 16: Outras informações

As informações fornecidas baseiam-se no estado actual dos nossos conhecimentos, embora não representem uma garantia das propriedades do produto e não fundamentam uma relação contratual.

(continuação na página 7)

Ficha de dados de segurança
em conformidade com 1907/2006/CE, Artigo 31º

data da impressão 16.09.2022

Revisão: 16.09.2022

Nome comercial: DDSA

(continuação da página 6)

· Abreviaturas e acrónimos:

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

Eye Irrit. 2: Lesões oculares graves/irritação ocular – Categoria 2

Skin Sens. 1: Sensibilização cutânea – Categoria 1

Aquatic Chronic 4: Perigoso para o ambiente aquático - perigo de longo prazo para o ambiente aquático – Categoria 4

PT

Паспорт безопасности в соответствии с ГОСТ 30333-2007

Дата печати: 16.09.2022

Дата редактирования: 16.09.2022

1 Идентификация химической продукции и сведения о производителе или поставщике

- Идентификатор продукта
- Торговое наименование: **DDSA**
- Артикульный номер: 13700, 13701
- Номер ЕС:
247-781-6
- Соответствующие установленные применения вещества или смеси и не рекомендуемые области использования
Отсутствует какая-либо соответствующая информация.
- Применение вещества / препарата Лабораторные химикаты
- Подробная информация поставщика паспорта безопасности
- Производитель / Поставщик:
Electron Microscopy Sciences
1560 Industry Road
USA-Hatfield, PA 19440
Tel: 215-412-8400 Fax: 215-412-8450
email: info@emsdiasum.com
www.emsdiasum.com
- Отдел, предоставляющий информацию: Product safety department
- Номер телефона экстренной связи:
ChemTrec 1-800-424-9300 Contract CCN7661
1-703-527-3887

2 Идентификация опасности (опасностей)

- Классификация вещества или смеси



Eye Irritation 2A

H319 Вызывает серьезное раздражение глаз.

Кожная сенсибилизация 1 H317 Может вызывать аллергическую кожную реакцию.

Водный хронический 4

H413 Может вызывать долгосрочные вредные последствия для водных организмов.

- Элементы маркировки
- Элементы маркировки в соответствии с СГС
Данное вещество классифицируется и маркируется в соответствии с Согласованной на глобальном уровне системой классификации и маркировки химических веществ (GHS).
- Пиктограммы, обозначающие опасности



GHS07

- Сигнальное слово Осторожно
- Предупреждения об опасности
Вызывает серьезное раздражение глаз.
Может вызывать аллергическую кожную реакцию.
Может вызывать долгосрочные вредные последствия для водных организмов.

(Продолжение на странице 2)

Паспорт безопасности

в соответствии с ГОСТ 30333-2007

Дата печати: 16.09.2022

Дата редактирования: 16.09.2022

Торговое наименование: DDSA

(Продолжение страницы 1)

- **Меры предосторожности**
Избегать вдыхания пыли/дыма/газа/тумана/паров/распылителей жидкости.
Не допускать попадания в окружающую среду.
Пользоваться защитными перчатками и средствами защиты глаз/лица.
ПРИ ПОПАДАНИИ В ГЛАЗА: Осторожно промыть глаза водой в течение нескольких минут. Снять контактные линзы, если вы пользуетесь ими и если это легко сделать. Продолжить промывание глаз.
При раздражении кожи или появлении сыпи: обратиться к врачу.
Утилизировать содержимое / тару в соответствии с местными / региональными / национальными / международными предписаниями.
- **Другие опасные факторы**
- **Результаты оценки PBT (устойчивое биоаккумулятивное токсическое вещество) и vPvB (очень устойчивое биоаккумулятивное вещество)**
- **PBT:** Неприменимо.
- **vPvB:** Неприменимо.

3 Состав (информация о компонентах)

- **Химическая характеристика: Вещества**
- **Обозначение номера CAS**
DDSA
- **Идентификационный (-ые) номер (-а)**
- **Номер ЕС:** 247-781-6

4 Меры первой помощи

- **Описание мер первой медицинской помощи**
- **После вдыхания:**
Обеспечить доступ свежего воздуха и для надёжности вызвать врача.
При потере сознания (обморочном состоянии) положить пациента на бок в стабильном положении для транспортировки.
- **После контакта с кожей:** Немедленно промыть с помощью воды и мыла, хорошо сполоснуть.
- **После контакта с глазами:**
Промойте открытый глаз под проточной водой в течение нескольких минут. При сохранении симптомов обратитесь к врачу.
- **После проглатывания:** При сохранении симптомов обратиться к врачу за консультацией.
- **Указания для врача:**
- **Наиболее важные симптомы и эффекты, как немедленные, так и проявляющиеся впоследствии**
Отсутствует какая-либо соответствующая информация.
- **Указание на необходимость оперативной медицинской помощи и специального режима**
Отсутствует какая-либо соответствующая информация.

5 Меры и средства обеспечения пожаровзрывобезопасности

- **Средства пожаротушения**
- **Надлежащие средства тушения:**
Предпринять меры по тушению пожара, соответствующие окружающим условиям.
- **Особые опасности, создаваемые веществом или смесью**
Отсутствует какая-либо соответствующая информация.

(Продолжение на странице 3)

Паспорт безопасности в соответствии с ГОСТ 30333-2007

Дата печати: 16.09.2022

Дата редактирования: 16.09.2022

Торговое наименование: DDSA

(Продолжение страницы 2)

- **Рекомендации для пожарных**
- **Защитное оснащение:** Нет необходимости в каких-либо специальных мерах.

6 Меры по предотвращению и ликвидации аварийных и чрезвычайных ситуаций и их последствий

- **Меры по обеспечению личной безопасности, защитное снаряжение и порядок действий в чрезвычайной ситуации**
Не требуется.
- **Меры по защите окружающей среды:**
При попадании в водоёмы или в канализационную систему проинформировать об этом соответствующие службы.
Не допускать попадания в канализационную систему / поверхностные или грунтовые воды.
- **Методы и материалы для локализации и очистки:**
Утилизировать собранный материал в соответствии с инструкциями.
- **Ссылки на другие разделы**
Информация по безопасному обращению - в Главе 7.
Информация по индивидуальному защитному снаряжению - в Главе 8.
Информация по утилизации - в Главе 13.

7 Правила хранения химической продукции и обращения с ней при погрузочно-разгрузочных работах

- **Обращение с веществом:**
- **Меры предосторожности по безопасному обращению**
Соблюдать осторожность при открывании ёмкостей и при обращении с ними.
- **Указания по защите от пожаров и взрывов:** Держать наготове устройство защиты органов дыхания.
- **Условия безопасного хранения, включая несовместимости**
- **Хранение:**
- **Требования, предъявляемые к складским помещениям и таре:**
Никаких особенных требований не предъявляется.
- **Указания по совместимости с другими веществами при хранении:** Не требуется.
- **Дальнейшие данные по условиям хранения:** Держать ёмкости плотно закрытыми.
- **Характерное конечное применение (или применения)**
Отсутствует какая-либо соответствующая информация.

8 Средства контроля за опасным воздействием и средства индивидуальной защиты

- **Дополнительные указания по структуре технических устройств:**
Никаких дополнительных данных; см. Пункт 7.
- **Параметры контроля**
- **Составляющие компоненты с предельными значениями, требующие мониторинга на рабочих местах:**
Не требуется.
- **Дополнительные указания:**
В качестве основы послужили списки, являвшиеся на момент составления актуальными.
- **Требования по охране труда и меры по обеспечению безопасности персонала**
- **Средства индивидуальной защиты:**
- **Общие меры по защите от воздействия и гигиене:**
Держать подальше от продуктов питания, напитков и корма для животных.

(Продолжение на странице 4)

Паспорт безопасности

в соответствии с ГОСТ 30333-2007

Дата печати: 16.09.2022

Дата редактирования: 16.09.2022

Торговое наименование: DDSA

(Продолжение страницы 3)

Мыть руки перед перерывами и по окончании работы.

Хранить защитную одежду отдельно.

Избегать контакта с глазами.

Избегать контакта с глазами и с кожей.

- **Защита органов дыхания:** Не требуется.
- **Защита рук:**



Защитные перчатки (рукавицы).

Материал перчаток / рукавиц должен быть устойчивым к воздействию продукта / вещества / препарата и не пропускать их.

Никаких рекомендаций в отношении материала перчаток / рукавиц, пригодных для применения в ходе работы с продуктом / препаратом / смесью химикатов дать нельзя, так как никаких испытаний в этом отношении не проводилось.

Выбор материала перчаток / рукавиц производится с учётом времени прорыва, степени проницаемости и эрозии.

- **Материал перчаток / рукавиц**

Выбор подходящих перчаток / рукавиц определяется не только материалом, но также и другими качественными особенностями, причём между различными производителями существует большая разница.

- **Период проницаемости материала перчаток / рукавиц.**

Необходимо осведомиться у производителя защитных перчаток / рукавиц о точном времени прорыва и придерживаться его.

- **Защита глаз:**



Плотно прилегающие защитные очки

9 Физико-химические свойства

- **Информация по основным физическим и химическим свойствам**

- **Общая информация**

- **Внешний вид:**

Форма:

Вязкотекучее

Цвет:

Желтоватое

- **Запах:**

Характерно

- **Порог запаха:**

Не определено.

- **Значение pH:**

Не определено.

- **Изменение состояния**

Точка плавления / интервал температур плавления:

-20 °C

Точка кипения / интервал температур кипения: 150 °C

- **Температурная точка вспышки:**

113 °C

- **Воспламеняемость (твёрдое, газообразное вещество):**

Неприменимо.

- **Температура распада:**

Не определено.

(Продолжение на странице 5)

Паспорт безопасности в соответствии с ГОСТ 30333-2007

Дата печати: 16.09.2022

Дата редактирования: 16.09.2022

Торговое наименование: DDSA

(Продолжение страницы 4)

· Самовоспламеняемость:	Не определено.
· Взрывоопасность:	Продукт не является взрывоопасным.
· Границы взрываемости: Нижняя:	Не определено.
Верхняя:	Не определено.
· Давление пара при 20 °С:	0,765 гПа
· Плотность при 20 °С:	1,005 г/см ³
· Относительная плотность	Не определено.
· Плотность пара	Не определено.
· Скорость испарения	Неприменимо.
· Растворимость в / Смешиваемость с водой при 25 °С:	0,01 г/л
· Коэффициент распределения (n-октанол / вода):	Не определено.
· Вязкость: Динамическая:	Не определено.
Кинематическая:	Не определено.
· Другая информация	Отсутствует какая-либо соответствующая информация.

10 Стабильность и реакционная способность

- Реакционная способность Отсутствует какая-либо соответствующая информация.
- Химическая стабильность
- Термический распад / условия, которых следует избегать:
При использовании в соответствии с предписаниями не происходит никакого распада.
- Возможность опасных реакций Неизвестно ни о каких опасных реакциях.
- Условия, вызывающие опасные изменения Отсутствует какая-либо соответствующая информация.
- Несовместимые материалы: Отсутствует какая-либо соответствующая информация.
- Опасные продукты распада: Неизвестно ни о каких опасных продуктах распада.

11 Информация о токсичности

- Информация по токсикологическому воздействию
- Острая токсичность:
- Первичное раздражающее воздействие:
 - на кожу: Нет раздражающего воздействия.
 - на глаза: Раздражающее воздействие.
- Сенсибилизация: Сенсибилизация возможна посредством кожного контакта.

12 Информация о воздействии на окружающую среду

- Токсичность
- Акватоксичность: Отсутствует какая-либо соответствующая информация.
- Стойкость и склонность к деградации Отсутствует какая-либо соответствующая информация.
- Поведение в экологических системах:
- Биоаккумулятивный потенциал Отсутствует какая-либо соответствующая информация.

(Продолжение на странице 6)

Паспорт безопасности в соответствии с ГОСТ 30333-2007

Дата печати: 16.09.2022

Дата редактирования: 16.09.2022

Торговое наименование: DDSA

(Продолжение страницы 5)

- **Подвижность в грунте** Отсутствует какая-либо соответствующая информация.
- **Дополнительные экологические указания:**
- **Общие указания:**
Класс вредности для воды 1 (Списочная классификация): немного вредно для воды
Не допускать попадания продукта в грунтовые воды, водоёмы или в канализационную систему в неразбавленном виде или в больших количествах.
- **Результаты оценки PBT (устойчивое биоаккумулятивное токсическое вещество) и vPvB (очень устойчивое биоаккумулятивное вещество)**
- **PBT:** Неприменимо.
- **vPvB:** Неприменимо.
- **Другие вредные эффекты** Отсутствует какая-либо соответствующая информация.

13 Рекомендации по удалению отходов (остатков)

- **Методы обработки отходов**
- **Рекомендация:**
Утилизация совместно с бытовыми отходами недопустима. Не допускать попадания в канализацию.
- **Неочищенные упаковки:**
- **Рекомендация:**
Утилизация должна быть осуществлена в соответствии с предписаниями компетентных служб.

14 Информация при перевозках (транспортировании)

- | | |
|--|--------------|
| <ul style="list-style-type: none"> · Номер UN · ADR, IMDG, IATA | отпадает |
| <ul style="list-style-type: none"> · Собственное транспортное наименование ООН · ADR, IMDG, IATA | отпадает |
| <ul style="list-style-type: none"> · классов опасности транспорта · ADR, ADN, IMDG, IATA · Класс | отпадает |
| <ul style="list-style-type: none"> · Группа упаковки · ADR, IMDG, IATA | отпадает |
| <ul style="list-style-type: none"> · Экологические риски: | Неприменимо. |
| <ul style="list-style-type: none"> · Особые меры предосторожности для пользователей | Неприменимо. |
| <ul style="list-style-type: none"> · Транспортировка навалом в соответствии с Приложением II MARPOL73/78 (Международная конвенция по предотвращению загрязнения вод с судов) и IBC Code (Международный кодекс перевозок опасных химических грузов наливом) | Неприменимо. |
| <ul style="list-style-type: none"> · UN "Model Regulation": | отпадает |

RU

(Продолжение на странице 7)

Паспорт безопасности в соответствии с ГОСТ 30333-2007

Дата печати: 16.09.2022

Дата редактирования: 16.09.2022

Торговое наименование: **DDSA**

(Продолжение страницы 6)

15 Информация о национальном и международном законодательстве

- **Нормы безопасности, правила охраны труда и экологические нормативы или стандарты, действующие для вещества или смеси**
Отсутствует какая-либо соответствующая информация.
- **Реестр евразийской промышленной продукции** Данное вещество указано в списке.
- **Элементы маркировки в соответствии с СГС**
Данное вещество классифицируется и маркируется в соответствии с Согласованной на глобальном уровне системой классификации и маркировки химических веществ (GHS).
- **Пиктограммы, обозначающие опасности**



GHS07

- **Сигнальное слово** *Осторожно*
- **Предупреждения об опасности**
Вызывает серьезное раздражение глаз.
Может вызывать аллергическую кожную реакцию.
Может вызывать долгосрочные вредные последствия для водных организмов.
- **Меры предосторожности**
Избегать вдыхания пыли/дыма/газа/тумана/паров/распылителей жидкости.
Не допускать попадания в окружающую среду.
Пользоваться защитными перчатками и средствами защиты глаз/лица.
ПРИ ПОПАДАНИИ В ГЛАЗА: Осторожно промыть глаза водой в течение нескольких минут. Снять контактные линзы, если вы пользуетесь ими и если это легко сделать. Продолжить промывание глаз.
При раздражении кожи или появлении сыпи: обратиться к врачу.
Утилизировать содержимое / тару в соответствии с местными / региональными / национальными / международными предписаниями.
- **Оценка химической безопасности:** Оценка химической безопасности не проведена.

16 Дополнительная информация

Данные опираются на актуальные знания, однако они не являются гарантией каких-либо конкретных свойств продукта и не устанавливают никаких действующих с юридической точки зрения договорных отношений.

- **Контактная информация:**
- **Аббревиатуры и акронимы:**
ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)
IMDG: International Maritime Code for Dangerous Goods
IATA: International Air Transport Association
EINECS: European Inventory of Existing Commercial Chemical Substances
CAS: Chemical Abstracts Service (division of the American Chemical Society)
PBT: Persistent, Bioaccumulative and Toxic
vPvB: very Persistent and very Bioaccumulative
Eye Irritation 2A: Serious eye damage/eye irritation – Category 2A
Кожная сенсибилизация 1: Skin sensitisation – Category 1
Водный хронический 4: Hazardous to the aquatic environment - long-term aquatic hazard – Category 4

Ficha de datos de seguridad

según 1907/2006/CE, Artículo 31

fecha de impresión 16.09.2022

Revisión: 16.09.2022

SECCIÓN 1: Identificación de la sustancia o la mezcla y de la sociedad o la empresa

- **1.1 Identificador del producto**
- **Nombre comercial:** DDSA
- **Número del artículo:** 13700, 13701
- **Número CE:**
247-781-6
- **1.2 Usos pertinentes identificados de la sustancia o de la mezcla y usos desaconsejados**
No existen más datos relevantes disponibles.
- **Utilización del producto / de la elaboración** Sustancias químicas de laboratorio
- **1.3 Datos del proveedor de la ficha de datos de seguridad**
- **Fabricante/distribuidor:**
Electron Microscopy Sciences
1560 Industry Road
USA-Hatfield, PA 19440
Tel: 215-412-8400 Fax: 215-412-8450
email: info@emsdiasum.com
www.emsdiasum.com
- **Aname**
C/ Perez Galdos no. 2
28693 Quijorna
Madrid, Spain
Tel: +34.91.816.89.50
Fax: +34.91.816.85.94
email: ventas@aname.es
- **Área de información:** Product safety department
- **1.4 Teléfono de emergencia:**
ChemTrec 1-800-424-9300 Contract CCN7661
1-703-527-3887

SECCIÓN 2: Identificación de los peligros

- **2.1 Clasificación de la sustancia o de la mezcla**
- **Clasificación con arreglo al Reglamento (CE) n° 1272/2008**



GHS07

Eye Irrit. 2 H319 Provoca irritación ocular grave.
 Skin Sens. 1 H317 Puede provocar una reacción alérgica en la piel.
 Aquatic Chronic 4 H413 Puede ser nocivo para los organismos acuáticos, con efectos nocivos duraderos.

- **2.2 Elementos de la etiqueta**
- **Etiquetado con arreglo al Reglamento (CE) n° 1272/2008**
La sustancia se ha clasificado y etiquetado de conformidad con el reglamento CLP.
- **Pictogramas de peligro**



GHS07

- **Palabra de advertencia** Atención

(se continua en página 2)

Ficha de datos de seguridad

según 1907/2006/CE, Artículo 31

fecha de impresión 16.09.2022

Revisión: 16.09.2022

Nombre comercial: DDSA

(se continua en página 1)

- **Indicaciones de peligro**

H319 Provoca irritación ocular grave.

H317 Puede provocar una reacción alérgica en la piel.

H413 Puede ser nocivo para los organismos acuáticos, con efectos nocivos duraderos.

- **Consejos de prudencia**

P261 Evitar respirar el polvo/el humo/el gas/la niebla/los vapores/el aerosol.

P273 Evitar su liberación al medio ambiente.

P280 Llevar guantes protección /equipo de protección para los ojos/ equipo de protección para la cara.

P305+P351+P338 **EN CASO DE CONTACTO CON LOS OJOS:** Enjuagar con agua cuidadosamente durante varios minutos. Quitar las lentes de contacto cuando estén presentes y pueda hacerse con facilidad. Proseguir con el lavado.

P333+P313 En caso de irritación o erupción cutánea: Consultar a un médico.

P501 Eliminar el contenido o el recipiente conforme a la reglamentación local/regional/nacional/internacional.

- **2.3 Otros peligros**

- **Resultados de la valoración PBT y mPmB**

- **PBT:** No aplicable.

- **mPmB:** No aplicable.

SECCIÓN 3: Composición/información sobre los componentes

- **3.1 Caracterización química: Sustancias**

- **Denominación N° CAS**

DDSA

- **Número(s) de identificación**

- **Número CE:** 247-781-6

SECCIÓN 4: Primeros auxilios

- **4.1 Descripción de los primeros auxilios**

- **En caso de inhalación del producto:**

Suministrar suficiente aire fresco y, para mayor seguridad, consultar el médico.

Las personas desmayadas deben tenderse y transportarse de lado con la suficiente estabilidad.

- **En caso de contacto con la piel:** Lavar inmediatamente con agua y jabón y enjuagar bien.

- **En caso de con los ojos:**

Limpia los ojos abiertos durante varios minutos con agua corriente. En caso de trastornos persistentes consultar un médico.

- **En caso de ingestión:** Consultar un médico si los trastornos persisten.

- **4.2 Principales síntomas y efectos, agudos y retardados** No existen más datos relevantes disponibles.

- **4.3 Indicación de toda atención médica y de los tratamientos especiales que deban dispensarse inmediatamente**

No existen más datos relevantes disponibles.

SECCIÓN 5: Medidas de lucha contra incendios

- **5.1 Medios de extinción**

- **Sustancias extintoras apropiadas:** Combatir los incendios con medidas adaptados al ambiente circundante.

- **5.2 Peligros específicos derivados de la sustancia o la mezcla** No existen más datos relevantes disponibles.

(se continua en página 3)

Ficha de datos de seguridad

según 1907/2006/CE, Artículo 31

fecha de impresión 16.09.2022

Revisión: 16.09.2022

Nombre comercial: DDSA

(se continua en página 2)

- **5.3 Recomendaciones para el personal de lucha contra incendios**
- **Equipo especial de protección:** No se requieren medidas especiales.

SECCIÓN 6: Medidas en caso de vertido accidental

- **6.1 Precauciones personales, equipo de protección y procedimientos de emergencia** No es necesario.
- **6.2 Precauciones relativas al medio ambiente:**
Al penetrar en las aguas o en el alcantarillado, avisar a las autoridades pertinentes.
Evitar que penetre en la canalización /aguas de superficie /agua subterráneas.
- **6.3 Métodos y material de contención y de limpieza:** Evacuar el material recogido según las normativas vigentes.
- **6.4 Referencia a otras secciones**
Ver capítulo 7 para mayor información sobre una manipulación segura.
Ver capítulo 8 para mayor información sobre el equipo personal de protección.
Para mayor información sobre cómo desechar el producto, ver capítulo 13.

SECCIÓN 7: Manipulación y almacenamiento

- **7.1 Precauciones para una manipulación segura** Abrir y manejar el recipiente con cuidado.
- **Prevención de incendios y explosiones:** Tener preparados los aparatos respiratorios.
- **7.2 Condiciones de almacenamiento seguro, incluidas posibles incompatibilidades**
- **Almacenamiento:**
- **Exigencias con respecto al almacén y los recipientes:** No se requieren medidas especiales.
- **Normas en caso de un almacenamiento conjunto:** No es necesario.
- **Indicaciones adicionales sobre las condiciones de almacenamiento:**
Mantener el recipiente cerrado herméticamente.
- **7.3 Usos específicos finales** No existen más datos relevantes disponibles.

SECCIÓN 8: Controles de exposición/protección individual

- **8.1 Parámetros de control**
- **Instrucciones adicionales para el acondicionamiento de instalaciones técnicas:**
Sin datos adicionales, ver punto 7.
- **Componentes con valores límite admisibles que deben controlarse en el puesto de trabajo:** Nulo.
- **Indicaciones adicionales:** Como base se han utilizado las listas vigentes en el momento de la elaboración.
- **8.2 Controles de la exposición**
- **Equipo de protección individual:**
- **Medidas generales de protección e higiene:**
Mantener alejado de alimentos, bebidas y alimentos para animales.
Lavarse las manos antes de las pausas y al final del trabajo.
Guardar la ropa protectora por separado.
Evitar el contacto con los ojos.
Evitar el contacto con los ojos y la piel.
- **Protección respiratoria:** No es necesario.
- **Protección de manos:**



Guantes de protección

El material del guante deberá ser impermeable y resistente al producto / sustancia / preparado.

(se continua en página 4)

Ficha de datos de seguridad

según 1907/2006/CE, Artículo 31

fecha de impresión 16.09.2022

Revisión: 16.09.2022

Nombre comercial: DDSA

(se continua en página 3)

Ante la ausencia de tests específicos, no se puede recomendar ningún material específico para guantes de protección contra el producto / preparado / mezcla de sustancias químicas.

Selección del material de los guantes en función de los tiempos de rotura, grado de permeabilidad y degradación.

- **Material de los guantes**

La elección del guante adecuado no depende únicamente del material, sino también de otras características de calidad, que pueden variar de un fabricante a otro.

- **Tiempo de penetración del material de los guantes**

El tiempo de resistencia a la penetración exacto deberá ser pedido al fabricante de los guantes. Este tiempo debe ser respetado.

- **Protección de ojos:**



Gafas de protección herméticas

SECCIÓN 9: Propiedades físicas y químicas

- **9.1 Información sobre propiedades físicas y químicas básicas**

- **Datos generales**

- **Aspecto:**

Forma: Viscoso

Color: Amarillento

- **Olor:** Característico

- **Umbral olfativo:** No determinado.

- **valor pH:** No determinado.

- **Cambio de estado**

Punto de fusión/punto de congelación: -20 °C

Punto inicial de ebullición e intervalo de ebullición: 150 °C

- **Punto de inflamación:** 113 °C

- **Inflamabilidad (sólido, gas):** No aplicable.

- **Temperatura de descomposición:** No determinado.

- **Temperatura de auto-inflamación:** No determinado.

- **Propiedades explosivas:** El producto no es explosivo.

- **Límites de explosión:**

Inferior: No determinado.

Superior: No determinado.

- **Presión de vapor a 20 °C:** 0,765 hPa

- **Densidad a 20 °C:** 1,005 g/cm³

- **Densidad relativa** No determinado.

- **Densidad de vapor** No determinado.

- **Tasa de evaporación:** No aplicable.

- **Solubilidad en / miscibilidad con agua a 25 °C:**

0,01 g/l

- **Coefficiente de reparto: n-octanol/agua:** No determinado.

(se continua en página 5)

Ficha de datos de seguridad

según 1907/2006/CE, Artículo 31

fecha de impresión 16.09.2022

Revisión: 16.09.2022

Nombre comercial: DDSA

(se continua en página 4)

- | | |
|--------------------------|--|
| · Viscosidad: | |
| Dinámica: | No determinado. |
| Cinemática: | No determinado. |
| · 9.2 Otros datos | No existen más datos relevantes disponibles. |

SECCIÓN 10: Estabilidad y reactividad

- **10.1 Reactividad** No existen más datos relevantes disponibles.
- **10.2 Estabilidad química**
- **Descomposición térmica / condiciones que deben evitarse:** No se descompone al emplearse adecuadamente.
- **10.3 Posibilidad de reacciones peligrosas** No se conocen reacciones peligrosas.
- **10.4 Condiciones que deben evitarse** No existen más datos relevantes disponibles.
- **10.5 Materiales incompatibles:** No existen más datos relevantes disponibles.
- **10.6 Productos de descomposición peligrosos:** No se conocen productos de descomposición peligrosos.

SECCIÓN 11: Información toxicológica

- **11.1 Información sobre los efectos toxicológicos**
- **Toxicidad aguda** A la vista de los datos disponibles, no se cumplen los criterios de clasificación.
- **Efecto estimulante primario:**
- **Corrosión o irritación cutáneas** A la vista de los datos disponibles, no se cumplen los criterios de clasificación.
- **Lesiones o irritación ocular graves**
Provoca irritación ocular grave.
- **Sensibilización respiratoria o cutánea**
Puede provocar una reacción alérgica en la piel.
- **Indicaciones toxicológicas adicionales:**
- **Efectos CMR (carcinogenicidad, mutagenicidad y toxicidad para la reproducción)**
- **Mutagenicidad en células germinales**
A la vista de los datos disponibles, no se cumplen los criterios de clasificación.
- **Carcinogenicidad** A la vista de los datos disponibles, no se cumplen los criterios de clasificación.
- **Toxicidad para la reproducción** A la vista de los datos disponibles, no se cumplen los criterios de clasificación.
- **Toxicidad específica en determinados órganos (STOT) – exposición única**
A la vista de los datos disponibles, no se cumplen los criterios de clasificación.
- **Toxicidad específica en determinados órganos (STOT) – exposición repetida**
A la vista de los datos disponibles, no se cumplen los criterios de clasificación.
- **Peligro de aspiración** A la vista de los datos disponibles, no se cumplen los criterios de clasificación.

SECCIÓN 12: Información ecológica

- **12.1 Toxicidad**
- **Toxicidad acuática:** No existen más datos relevantes disponibles.
- **12.2 Persistencia y degradabilidad** No existen más datos relevantes disponibles.
- **12.3 Potencial de bioacumulación** No existen más datos relevantes disponibles.
- **12.4 Movilidad en el suelo** No existen más datos relevantes disponibles.
- **Indicaciones medioambientales adicionales:**
- **Indicaciones generales:**
Nivel de riesgo para el agua 1 (clasificación de listas): escasamente peligroso para el agua
En estado no diluido o no neutralizado, no dejar que se infiltre en aguas subterráneas, aguas superficiales o en alcantarillados.

(se continua en página 6)

Ficha de datos de seguridad

según 1907/2006/CE, Artículo 31

fecha de impresión 16.09.2022

Revisión: 16.09.2022

Nombre comercial: DDSA

(se continua en página 5)

- **12.5 Resultados de la valoración PBT y mPmB**
- **PBT:** No aplicable.
- **mPmB:** No aplicable.
- **12.6 Otros efectos adversos** No existen más datos relevantes disponibles.

SECCIÓN 13: Consideraciones relativas a la eliminación

- **13.1 Métodos para el tratamiento de residuos**
- **Recomendación:** No debe desecharse con la basura doméstica. No debe llegar al alcantarillado.
- **Embalajes sin limpiar:**
- **Recomendación:** Eliminar conforme a las disposiciones oficiales.

SECCIÓN 14: Información relativa al transporte

- | | |
|---|---------------|
| · 14.1 Número ONU | |
| · ADR, IMDG, IATA | suprimido |
| · 14.2 Designación oficial de transporte de las Naciones Unidas | |
| · ADR, IMDG, IATA | suprimido |
| · 14.3 Clase(s) de peligro para el transporte | |
| · ADR, ADN, IMDG, IATA | |
| · Clase | suprimido |
| · 14.4 Grupo de embalaje | |
| · ADR, IMDG, IATA | suprimido |
| · 14.5 Peligros para el medio ambiente: | No aplicable. |
| · 14.6 Precauciones particulares para los usuarios | No aplicable. |
| · 14.7 Transporte a granel con arreglo al anexo II del Convenio MARPOL y el Código IBC | No aplicable. |
| · "Reglamentación Modelo" de la UNECE: | suprimido |

SECCIÓN 15: Información reglamentaria

- **15.1 Reglamentación y legislación en materia de seguridad, salud y medio ambiente específicas para la sustancia o la mezcla**
- **Directiva 2012/18/UE**
- **Sustancias peligrosas nominadas - ANEXO I** No contiene la sustancia.
- **Directiva 2011/65/UE sobre restricciones a la utilización de determinadas sustancias peligrosas en aparatos eléctricos y electrónicos - Anexo II**
No contiene la sustancia.
- **REGLAMENTO (UE) 2019/1148**
- **Anexo I - PRECURSORES DE EXPLOSIVOS RESTRINGIDOS (Valor límite superior a efectos de la concesión de licencias con arreglo al artículo 5, apartado 3)**
No contiene la sustancia.
- **Anexo II - PRECURSORES DE EXPLOSIVOS NOTIFICABLES** No contiene la sustancia.
- **Reglamento (CE) no 273/2004 sobre precursores de drogas** No contiene la sustancia.

(se continua en página 7)

Ficha de datos de seguridad

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(se continua en página 6)

- **Reglamento (CE) N o 111/2005 por el que establecen normas para la vigilancia del comercio de precursores de drogas entre la Comunidad y terceros países**
No contiene la sustancia.
- **15.2 Evaluación de la seguridad química:** Una evaluación de la seguridad química no se ha llevado a cabo.

SECCIÓN 16: Otra información

Los datos se fundan en el estado actual de nuestros conocimientos, pero no constituyen garantía alguna de cualidades del producto y no generan ninguna relación jurídica contractual.

Abreviaturas y acrónimos:

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

Eye Irrit. 2: Lesiones oculares graves o irritación ocular – Categoría 2

Skin Sens. 1: Sensibilización cutánea – Categoría 1

Aquatic Chronic 4: Peligroso para el medio ambiente acuático - peligro acuático a largo plazo – Categoría 4

ES

แผนข้อมูลความปลอดภัย

มาตรฐาน GHS

วันที่พิมพ์ 2022.09.16

การปรับปรุงใหม่ : 2022.09.16

ชื่อทางการค้า DDSA

- P333+P313 หากเกิดการระคายเคืองที่ผิวหนังหรือเป็นผื่นคัน : ให้ขอคำปรึกษา/ การรักษาพยาบาลจากแพทย์
 P501 ทิ้งสิ่งปนเปื้อน/ภาชนะที่บรรจุตามกฎหมายของท้องถิ่น/แคว้น/ในประเทศ/ระหว่างประเทศ (ต่อที่หน้า 1)
- 2.3 อันตรายอื่นๆ
 - ผลของ PBT และการประเมิน vPvB
 - PBT: ไม่สามารถใช้ได้
 - vPvB: ไม่สามารถใช้ได้

3 องค์ประกอบและข้อมูลเกี่ยวกับส่วนผสม

- 3.1 คุณลักษณะทางเคมีรสารสาร
- การระบุเลขที่ CAS
DDSA
- เลขที่ที่ระบุ
- จำนวน EC: 247-781-6

4 มาตรการปฐมพยาบาล

- 4.1 คำอธิบายถึงมาตรการปฐมพยาบาล
- หลังจากการสูดหายใจเข้าไป
หาบริเวณที่มีอากาศบริสุทธิ์และเพื่อให้มั่นใจติดต่อแพทย์
ในกรณีที่คุณใช้ไม่รู้สึกตัวให้ขนย้ายคนไปอย่างมั่นคงในท่าตะแคงด้านข้าง
- หลังจากการสัมผัสผิวหนัง ล้างด้วยน้ำและสบู่แล้วฟอกให้ทั่วทันที
- หลังจากการสัมผัสดวงตา ชะตาที่เปิดอยู่ใต้น้ำที่กำลังไหลเป็นเวลาหลายนาทีถ้าอาการไม่ดีขึ้นให้ปรึกษาแพทย์
- หลังจากการกลืนเข้าไป: ถ้าอาการยังไม่บรรเทาให้ปรึกษาแพทย์
- 4.2 อาการสำคัญส่วนใหญ่และผลกระทบ ทั้งชนิดเฉียบพลันและค่อยๆ แสดงอาการ
ไม่มีข้อมูลที่เกี่ยวข้องนอกเหนือจากนี้
- 4.3 ข้อบ่งชี้ของอาการที่ต้องเข้ารับการรักษากจากแพทย์ทันทีและการบำบัดพิเศษที่จำเป็น
ไม่มีข้อมูลที่เกี่ยวข้องนอกเหนือจากนี้

5 มาตรการพญูเพลิง

- 5.1 สารที่ใช้ดับเพลิง
- สารดับเพลิงที่เหมาะสม ใช้วิธีดับเพลิงที่เหมาะสมกับสภาพแวดล้อม
- 5.2 อันตรายเฉพาะอย่างที่เกิดจากสารหรือส่วนผสม ไม่มีข้อมูลที่เกี่ยวข้องนอกเหนือจากนี้
- 5.3 คำแนะนำสำหรับพนักงานดับเพลิง
- อุปกรณ์ป้องกันภัย ไม่ต้องมีมาตรการพิเศษ

6 มาตรการจัดการเมื่อมีการหกรั่วไหลของสาร

- 6.1 การป้องกันส่วนบุคคล อุปกรณ์ป้องกัน และขั้นตอนดำเนินการเมื่อเกิดกรณีฉุกเฉิน ไม่ได้กำหนด
- 6.2 การให้ความคุ้มครองสิ่งแวดล้อมล่วงหน้า:
แจ้งผู้มีอำนาจที่เกี่ยวข้องในกรณีที่เกิดการไหลซึมเข้าลำน้ำหรือระบบระบายน้ำ
อย่าปล่อยให้เข้าไปในท่อน้ำทิ้ง/ น้ำบนดินหรือใต้ดิน
- 6.3 วิธีดำเนินการและวัสดุสำหรับการบรรจุและการทำความสะอาด: กำจัดวัตถุที่รวบรวมไว้ตามที่กฎหมายระบุ
- 6.4 การอ้างอิงถึงส่วนอื่น
ดูข้อมูลรายละเอียดเรื่องความปลอดภัยในการขนถ่ายจากส่วนที่ 7
ดูข้อมูลรายละเอียดเรื่องอุปกรณ์ป้องกันส่วนบุคคลจากส่วนที่ 8
ดูข้อมูลรายละเอียดเรื่องการจัดเก็บจากส่วนที่ 13

แผนข้อมูลความปลอดภัย

มาตรฐาน GHS

วันที่พิมพ์ 2022.09.16

การปรับปรุงใหม่ : 2022.09.16

ชื่อทางการค้า DDSA

(ต่อหน้า 2)

7 การขนถ่าย เคลื่อนย้าย ใช้งาน และเก็บรักษา

- 7.1 การป้องกันล่วงหน้าสำหรับการจัดการด้านความปลอดภัย เปิดและถือภาชนะรองรับอย่างระมัดระวัง
- ข้อมูลรายละเอียดเกี่ยวกับการป้องกันอัคคีภัยและการระเบิด
เก็บอุปกรณ์ป้องกันสำหรับการช่วยหายใจให้มีพร้อมใช้งาน
- 7.2 เงื่อนไขในการเก็บรักษาอย่างปลอดภัย, รวมถึงสิ่งที่เข้ากันไม่ได้ใดๆ
- การจัดเก็บ
- ข้อกำหนดที่ต้องปฏิบัติตามสำหรับห้องเก็บและภาชนะบรรจุ ไม่มีข้อกำหนดพิเศษ
- ข้อมูลรายละเอียดด้านการจัดเก็บในสถานที่จัดเก็บรวม ไม่ได้กำหนด
- ข้อมูลรายละเอียดเพิ่มเติมด้านสภาพการจัดเก็บ เก็บโดยปิดผนึกอย่างแน่นหนา
- 7.3 การระบุถึงการสิ้นสุดการใช้ ไม่มีข้อมูลที่เกี่ยวข้องนอกเหนือจากนี้

8 การควบคุมการสัมผัสและการป้องกันส่วนบุคคล

- 8.1 การควบคุมตัวแปร
- ข้อมูลรายละเอียดเสริมสำหรับการออกแบบสิ่งอำนวยความสะดวกทางเทคนิค ไม่มีข้อมูลนอกเหนือจากนี้ดูรายการ 7
- ส่วนผสมพร้อมค่าขอบเขตที่ต้องเฝ้าดูในสถานที่ปฏิบัติงาน ไม่ได้กำหนด
- ข้อมูลรายละเอียดเสริม รายการถูกต้องระหว่างที่จัดทำโดยอาศัยการใช้งานเป็นหลัก
- 8.2 การควบคุมการสัมผัส
- อุปกรณ์ป้องกันภัยส่วนบุคคล
- มาตรการการป้องกันและสุขอนามัยทั่วไป
- เก็บให้ห่างจากสิ่งของที่เป็นอาหาร เครื่องดื่ม และอาหารสัตว์
- ล้างมือก่อนที่จะหยุดพักและเมื่อสิ้นสุดเวลาทำงาน
- เก็บชุดป้องกันแยกต่างหาก
- หลีกเลี่ยงการสัมผัสถูกตา
- หลีกเลี่ยงการสัมผัสถูกตาและผิวหนัง
- การป้องกันการสูดหายใจเข้าไป ไม่ได้กำหนด
- การป้องกันมือ



ถุงมือป้องกัน

วัสดุของถุงมือจะต้องไม่ให้อากาศผ่านเข้าออกและทนทานต่อผลิตภัณฑ์/ สาร/ การผลิต เนื่องจากขาดการทดสอบจึงไม่มีคำแนะนำสำหรับวัสดุที่ใช้ทำถุงมือสำหรับผลิตภัณฑ์/ การผลิต/ ของผสมเคมี

- เลือกวัสดุสำหรับถุงมือโดยพิจารณาจากเวลาที่ใช้ในการซึมผ่านอัตราการแพร่และการเสื่อม
- วัสดุที่ใช้ทำถุงมือ
- การเลือกใช้ถุงมือที่เหมาะสมไม่เพียงแต่ขึ้นอยู่กับวัสดุแต่ยังขึ้นกับมาตรฐานด้านคุณภาพและข้อแตกต่างระหว่างผู้ผลิตแต่ละแห่ง
- เวลาที่ใช้ในการทะลุผ่านวัสดุที่ใช้ทำถุงมือ
- ผู้ผลิตถุงมือป้องกันจะต้องทดสอบหาเวลาแน่นอนที่ใช้ในการทะลุผ่านและจะต้องมีการตรวจสอบติดตาม
- การป้องกันตา



แว่นตาที่ขอบปิดสนิท

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(ต่อหน้า 4)

แผนข้อมูลความปลอดภัย

มาตรฐาน GHS

วันที่พิมพ์ 2022.09.16

การปรับปรุงใหม่ : 2022.09.16

ชื่อทางการค้า DDSA

(ต่อหน้า 3)

9 คุณสมบัติทางกายภาพและทางเคมี

<ul style="list-style-type: none"> 9.1 ข้อมูลคุณสมบัติพื้นฐานทางกายภาพและเคมี ข้อมูลรายละเอียดทั่วไป ลักษณะ : <ul style="list-style-type: none"> รูปลักษณ์ สี หนืด กลิ่น กลิ่นกลิ่น กลิ่น สีค่อนข้างเหลือง เกณฑ์กลิ่น : ลักษณะพิเศษ 	
ค่าค่า pH	ไม่ได้กำหนดไว้.
<ul style="list-style-type: none"> การเปลี่ยนสถานะ จุดหลอมเหลว/ ขอบเขตการหลอมละลาย จุดเดือด/ ขอบเขตการเดือด 	<ul style="list-style-type: none"> -20 °C 150 °C
จุดวาบไฟ	113 °C
ความสามารถติดไฟ (ของแข็งแกส)	ไม่สามารถใช้ได้
อุณหภูมิสลายตัว	ไม่ได้กำหนดไว้.
การเผาไหม้ด้วยตัวเอง	ไม่ได้กำหนดไว้.
อันตรายจากการระเบิด	ผลิตภัณฑ์ไม่ได้มีอันตรายจากการระเบิด
<ul style="list-style-type: none"> ขอบเขตการระเบิด ขีดต่ำ ขีดสูง 	<ul style="list-style-type: none"> ไม่ได้กำหนดไว้. ไม่ได้กำหนดไว้.
ความดันไอ ที่ 20 °C	0.765 hPa
<ul style="list-style-type: none"> ความหนาแน่น ที่ 20 °C ความหนาแน่นสัมพัทธ์ ความหนาแน่นของไอ อัตราการระเหย 	<ul style="list-style-type: none"> 1.005 g/cm³ ไม่ได้กำหนดไว้. ไม่ได้กำหนดไว้. ไม่สามารถใช้ได้
<ul style="list-style-type: none"> ความสามารถในการละลายใน / ความสามารถผสมเป็นสารละลายเนื้อเดียวทุกส่วนผสมกับน้ำที่ 25 °C 	0.01 g/l
สัมประสิทธิ์การแยกตัว (เอ็นเอชเคตามอัลท์/น้ำ)	ไม่ได้กำหนดไว้.
<ul style="list-style-type: none"> ความหนืด (ไดนามิค) พลศาสตร์ (คิเนเมติก) จลนศาสตร์ 	<ul style="list-style-type: none"> ไม่ได้กำหนดไว้. ไม่ได้กำหนดไว้.
9.2 ข้อมูลอื่นๆ	ไม่มีข้อมูลที่เกี่ยวข้องนอกเหนือจากนี้

10 ความเสถียรและการเกิดปฏิกิริยา

- 10.1 ปฏิกิริยาโต้ตอบ ไม่มีข้อมูลที่เกี่ยวข้องนอกเหนือจากนี้
- 10.2 เสถียรภาพทางเคมี
- การสลายตัวด้วยความร้อน / เงื่อนไขที่ต้องหลีกเลี่ยง ไม่มีการสลายตัวถ้าใช้ตามรายละเอียดที่ระบุไว้
- 10.3 ความเป็นไปได้ของการเกิดปฏิกิริยาอันตราย ไม่มีปฏิกิริยาเป็นอันตรายที่รู้จัก
- 10.4 เงื่อนไขเพื่อการหลีกเลี่ยง ไม่มีข้อมูลที่เกี่ยวข้องนอกเหนือจากนี้
- 10.5 วัสดุที่เข้ากันไม่ได้: ไม่มีข้อมูลที่เกี่ยวข้องนอกเหนือจากนี้

(ต่อหน้า 5)

แผนข้อมูลความปลอดภัย

มาตรฐาน GHS

วันที่พิมพ์ 2022.09.16

การปรับปรุงใหม่ : 2022.09.16

ชื่อทางการค้า DDSA

(ต่อหน้า 4)

- 10.6 อันตรายจากการสลายตัวของผลิตภัณฑ์: ไม่มีสารจากการสลายตัวที่เป็นอันตรายที่รู้จัก

11 ข้อมูลด้านพิษวิทยา

- 11.1 ข้อมูลเกี่ยวกับผลกระทบทางพิษวิทยา
- ความเป็นพิษอย่างสาหัส: ตามข้อมูลที่มีอยู่ ไม่ตรงตามเกณฑ์การจัดหมวดหมู่
- อาการระคายเคืองเบื้องต้น
- บวมผิวหนัง ตามข้อมูลที่มีอยู่ ไม่ตรงตามเกณฑ์การจัดหมวดหมู่
- ที่ดวงตา
 - เป็นสาเหตุให้เกิดการระคายเคืองอย่างร้ายแรงที่ตา
- การทำให้แพ้
 - อาจเป็นสาเหตุให้ผิวหนังแสดงอาการแพ้
- ข้อมูลรายละเอียดเสริมเกี่ยวกับพิษวิทยา
- ผลกระทบ CMR (การทำให้เกิดมะเร็งการผ่าเหล่าและพิษต่อการสืบพันธุ์)
- การผ่าเหล่าในเซลล์สืบพันธุ์ ตามข้อมูลที่มีอยู่ ไม่ตรงตามเกณฑ์การจัดหมวดหมู่
- การกระตุ้นให้เกิดมะเร็ง ตามข้อมูลที่มีอยู่ ไม่ตรงตามเกณฑ์การจัดหมวดหมู่
- พิษต่อระบบสืบพันธุ์ ตามข้อมูลที่มีอยู่ ไม่ตรงตามเกณฑ์การจัดหมวดหมู่
- ความเป็นพิษต่ออวัยวะเป้าหมายเฉพาะ – การสัมผัสในครรภ์ ตามข้อมูลที่มีอยู่ ไม่ตรงตามเกณฑ์การจัดหมวดหมู่
- ความเป็นพิษต่ออวัยวะเป้าหมายเฉพาะ – การสัมผัสซ้ำหลาย ตามข้อมูลที่มีอยู่ ไม่ตรงตามเกณฑ์การจัดหมวดหมู่
- อันตรายต่อระบบหายใจ ตามข้อมูลที่มีอยู่ ไม่ตรงตามเกณฑ์การจัดหมวดหมู่

12 ข้อมูลด้านนิเวศวิทยา

- 12.1 ความเป็นพิษ
- ความเป็นพิษที่เกี่ยวกับน้ำ ไม่มีข้อมูลที่เกี่ยวข้องนอกเหนือจากนี้
- 12.2 การคงอยู่และการย่อยสลาย ไม่มีข้อมูลที่เกี่ยวข้องนอกเหนือจากนี้
- 12.3 การสะสมทางชีวภาพที่อาจเกิดขึ้น ไม่มีข้อมูลที่เกี่ยวข้องนอกเหนือจากนี้
- 12.4 การเปลี่ยนแปลงในดิน ไม่มีข้อมูลที่เกี่ยวข้องนอกเหนือจากนี้
- ข้อมูลรายละเอียดเสริมเกี่ยวกับนิเวศวิทยา
- หมายเหตุทั่วไป
 - เป็นอันตรายต่อน้ำชั้น 1 (กฎข้อบังคับของเยอรมัน)(การประเมินค่าตามรายการ):เป็นอันตรายเล็กน้อยกับน้ำ
 - อย่าปล่อยให้ผลิตภัณฑ์ที่ยังไม่ได้เจือจางหรือผลิตภัณฑ์เป็นจำนวนมากไปถึงน้ำผิวดินเส้นทางน้ำหรือระบบระบายน้ำเสีย
- 12.5 ผลของ PBT และการประเมิน vPvB
- PBT: ไม่สามารถใช้ได้
- vPvB: ไม่สามารถใช้ได้
- 12.6 ผลข้างเคียงอื่นๆ ไม่มีข้อมูลที่เกี่ยวข้องนอกเหนือจากนี้

13 ข้อพิจารณาในการกำจัด

- 13.1 วิธีการกำจัดของเสีย
- คำแนะนำ ต้องไม่ทิ้งไปพร้อมกับขยะจากบ้านเรือนอย่าปล่อยให้ผลิตภัณฑ์เข้าถึงระบบระบายน้ำเสีย
- ภาชนะบรรจุที่ยังไม่ได้ล้างทำความสะอาด
- คำแนะนำ การกำจัดจะต้องทำตามกฎระเบียบที่เป็นทางการ

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(ต่อหน้า 6)

แผนข้อมูลความปลอดภัย

มาตรฐาน GHS

วันที่พิมพ์ 2022.09.16

การปรับปรุงใหม่ : 2022.09.16

ชื่อทางการค้า DDSA

(ต่อหน้า 5)

14 ข้อมูลการขนส่ง

· 14.1 เลขที่ UN · ADR, IMDG, IATA	ยกเลิก
· 14.2 ชื่อการจัดส่งสินค้าที่เหมาะสมของ UN · ADR, IMDG, IATA	ยกเลิก
· 14.3 ชั้นเรียนอันตรายจากการขนส่ง · ADR, ADN, IMDG, IATA · ประเภท	ยกเลิก
· 14.4 กลุ่มของภาชนะบรรจุ · ADR, IMDG, IATA	ยกเลิก
· 14.5 สิ่งที่เป็นอันตรายต่อสภาพแวดล้อม	ไม่สามารถใช้ได้
· 14.6 การป้องกันพิเศษล่วงหน้าสำหรับผู้ใช้	ไม่สามารถใช้ได้
· 14.7 การขนส่งขนาดใหญ่ตามภาคผนวกของของ MARPOL73/78 และรหัส IBC	ไม่สามารถใช้ได้
· “กฎระเบียบต้นแหล่งของข้อ 6”	ยกเลิก

15 ข้อมูลด้านกฎข้อบังคับ

- 15.1 ความปลอดภัย สุขภาพและระเบียบ/กฎหมายสิ่งแวดล้อมโดยเฉพาะของสารหรือสารผสม
ไม่มีข้อมูลที่เกี่ยวข้องนอกเหนือจากนี้
- บัญชีรายชื่อวัตถุอันตราย
- กรมวิชาการเกษตร สารที่ไม่ได้อยู่ในรายการ
- กรมประมง สารที่ไม่ได้อยู่ในรายการ
- กรมปศุสัตว์ สารที่ไม่ได้อยู่ในรายการ
- อาหารและยา สารที่ไม่ได้อยู่ในรายการ
- กรมโรงงานอุตสาหกรรม สารที่ไม่ได้อยู่ในรายการ
- กรมธุรกิจพลังงาน สารที่ไม่ได้อยู่ในรายการ
- ทำเนียบสารเคมีที่มีอยู่แล้วของประเทศไทย (กรมโรงงานอุตสาหกรรม) สารที่อยู่ในรายการ
- 15.2 การประเมินความปลอดภัยของสารเคมี: ไม่ได้ดำเนินการตามการประเมินความปลอดภัยของสารเคมี

16 ข้อมูลอื่นๆ

ข้อมูลรายละเอียดนี้ใช้ความรู้ปัจจุบันของเราเป็นหลัก อย่างไรก็ตาม ข้อมูลนี้ไม่ใช่การรับประกันจากสถาบันต่อคุณสมบัติเฉพาะของผลิตภัณฑ์และไม่สามารถยืนยันการบังคับใช้ตามกฎหมายที่เกี่ยวข้องกับสัญญา

· คำย่อและชื่อย่อที่ผสมขึ้น

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

Eye Irrit. 2: Serious eye damage/eye irritation – Category 2

Skin Sens. 1: Skin sensitisation – Category 1

Aquatic Chronic 4: Hazardous to the aquatic environment - long-term aquatic hazard – Category 4

Güvenlik bilgi formu
23 Haziran 2017 tarihli, 30105 sayılı, „Kimyasalların Kaydı, Değerlendirilmesi, İzni Ve Kisitlanması Hakkında Yönetmelik, Madde 27“ hükümlerine uygun düzenlenmiştir

Baskı tarihi: 16.09.2022

Form No.: 13700

Yeniden düzenleme tarihi: 16.09.2022

Bölüm 1: Maddenin/karışımın ve şirketin/dağıtıcının tanımı

- **1.1 Madde/Karışım kimliği**
- **Ticari adı: DDSA**
- **Mal numarası: 13700, 13701**
- **EC Numarası: 247-781-6**
- **1.2 Maddenin veya karışımın ilgili tanımlanmış kullanımları ve tavsiye edilmeyen kullanımları**
Daha başka önemli bilgi mevcut değildir.
- **Maddenin Kullanımı / Hazırlanması** Laboratuarda kullanılan kimyasal maddeler
- **1.3 Güvenlik bilgi formu sağlayıcısının detayları**
- **Üretici / Teslimatı yapan:**
Electron Microscopy Sciences
1560 Industry Road
USA-Hatfield, PA 19440
Tel: 215-412-8400 Fax: 215-412-8450
email: info@emsdiasum.com
www.emsdiasum.com
- **Güvenlik hakkında bilgiler veren kesim: Product safety department**
- **1.4 Acil telefon numarası**
ChemTrec 1-800-424-9300 Contract CCN7661
1-703-527-3887

Bölüm 2: Zararların tanımı

- **2.1 Madde veya karışımın sınıflandırılması**
- **Düzenlemeye göre sınıflandırma (EC) No 1272/2008**



GHS07

- Eye Irrit. 2 H319 Ciddi göz tahrişine yol açar.
 Skin Sens. 1 H317 Alerjik cilt reaksiyonlarına yol açabilir.
-
- Aquatic Chronic 4 H413 Sucul ortamda uzun süre kalıcı, zararlı etki yapabilir.

- **2.2 Etiket bilgileri**
- **Yönetmelik (EC) No 1272/2008'e göre etiketleme**
Madde SEA yönetmeliğine göre sınıflandırılmış ve etiketlenmiştir.
- **Zararlılık İşaretleri**



GHS07

- **Uyarı Kelimesi Dikkat**
- **Zararlılık İfadesi**
H319 Ciddi göz tahrişine yol açar.
H317 Alerjik cilt reaksiyonlarına yol açabilir.
H413 Sucul ortamda uzun süre kalıcı, zararlı etki yapabilir.
- **Önlem İfadesi**
P261 Tozunu/dumanını/gazını/sisini/buharını/spreyini solumaktan kaçının.

(Devamı sayfa 2 'da)

Güvenlik bilgi formu
23 Haziran 2017 tarihli, 30105 sayılı, „Kimyasalların Kaydı, Değerlendirilmesi, İzni Ve Kısıtlanması Hakkında Yönetmelik, Madde 27“ hükümlerine uygun düzenlenmiştir

Baskı tarihi: 16.09.2022

Form No.: 13700

Yeniden düzenleme tarihi: 16.09.2022

Ticari adı: DDSA

(Sayfa 1 'nin devamı)

- P273 Çevreye verilmesinden kaçının.
P280 Koruyucu eldiven/koruyucu gözlük/koruyucu maske kullanın.
P305+P351+P338 GÖZLERDE İSE: birkaç dakika su ile dikkatlice durulayın. Kontakt lens varsa ve kolaysa çıkartın. Durulamaya devam edin.
P333+P313 Ciltte tahriş veya kaşıntı söz konusu ise: Tıbbi yardım/müdahale alın.
P501 İçeriği/kabı yerel/bölgesel/ulusal/uluslararası mevzuata uygun şekilde bertaraf edin.
- **2.3 Diğer zararlar**
 - **PBT ve vPvB değerlendirmesi sonuçları**
 - **PBT:** Uygulanamaz.
 - **vPvB:** Uygulanamaz.

Bölüm 3: Bileşimi/İçindekiler hakkında bilgi

- **3.1 Maddeler**
- **CAS-No. tanımı**
DDSA
- **Teşhis numarası**
- **EC Numarası:** 247-781-6

Bölüm 4: İlk yardım önlemleri

- **4.1 İlk yardım önlemlerinin tanıtımı**
- **Teneffüs ettikten sonra:**
Bolca temiz hava alması sağlanarak her ihtimale karşı doktora başvurulmalıdır. Baygınlık halinde yatırılması ve taşınması sabit yan pozisyonda olmalıdır.
- **Cilde temas ettikten sonra:** Derhal su ve sabunla yıkayarak iyice durulayınız.
- **Gözlere temas ettikten sonra:**
Gözleri, gözkapakları açık bir şekilde birkaç dakika süreyle akan suyun altına tutunuz. Sikâyetlerin devam etmesi halinde doktora başvurunuz.
- **Yuttuktan sonra:** Şikâyetlerin devamı halinde doktora başvurunuz.
- **4.2 Akut ve sonradan görülen en önemli belirtiler ve etkiler** Daha başka önemli bilgi mevcut değildir.
- **4.3 Acil tıbbi müdahale ve özel tedavi gereği için işaretler** Daha başka önemli bilgi mevcut değildir.

Bölüm 5: Yangınla mücadele önlemleri

- **5.1 Yangın söndürücüler**
- **Elverişli söndürücü maddeler:** Yangın söndürme önlemlerini çevreye uydurunuz.
- **5.2 Madde veya karışımdan kaynaklanan özel zararlar** Daha başka önemli bilgi mevcut değildir.
- **5.3 Yangın söndürme ekipleri için tavsiyeler**
- **Özel koruyucu teçhizat:** Özel önlemlerin alınması gerekmez.

Bölüm 6: Kaza sonucu yayılma önlemleri

- **6.1 Kişisel önlemler, koruyucu ekipman ve acil müdahale planı** Gerekli değildir.
- **6.2 Çevresel önlemler**
Sulara ya da kanalizasyona karışması halinde yetkili resmi makamlara haber veriniz.
Kanalizasyona/Yüzeysel suya/Yeraltı suyuna karışmasını önleyiniz.

(Devamı sayfa 3 'da)

Güvenlik bilgi formu
23 Haziran 2017 tarihli, 30105 sayılı, „Kimyasalların Kaydı, Değerlendirilmesi, İzni Ve Kisitlanması Hakkında Yönetmelik, Madde 27“ hükümlerine uygun düzenlenmiştir

Baskı tarihi: 16.09.2022

Form No.: 13700

Yeniden düzenleme tarihi: 16.09.2022

Ticari adı: DDSA

(Sayfa 2 'nin devamı)

- **6.3 Kontrol altında tutma ve temizleme için yöntem ve malzemeler**
Toplanan malzemeyi yönetmeliklere göre tasfiye ediniz.
- **6.4 Diğer bölümlere atıflar**
Güvenli kullanım ile ilgili bilgileri 7. bölümden alınız.
Kişisel koruyucu teçhizat ile ilgili bilgileri 8. bölümden alınız.
Tasfiye ile ilgili bilgileri 13. bölümden alınız.

Bölüm 7: Elleçleme ve depolama

- **7.1 Güvenli elleçleme için önlemler** Kapları açarken, taşırken ya da yere bırakırken dikkatli davranınız.
- **Yangın ve patlamadan korunmak için uyarılar:** Nefes koruyucu aletleri hazır bulundurunuz.
- **7.2 Birlikte bulunmaması gereken maddeleri de içeren güvenli depolama koşulları**
- **Depolama:**
- **Depolarda ve kaplarda aranan özellikler:** Belirli şartlar aranmaz.
- **Birarada depolama ile ilgili uyarılar:** Gerekli değil.
- **Depolama şartları ile ilgili diğer bilgiler:** Kabı sızdırmayacak şekilde kapalı tutunuz.
- **7.3 Belirli son kullanımlar** Daha başka önemli bilgi mevcut değildir.

Bölüm 8: Maruz kalma kontrolü/kişisel korunma

- **8.1 Kontrol parametreleri**
- **Teknik tesisatların şekillendirilmesi ile ilgili ek bilgiler:** Başka bilgi yoktur, madde 7 'den bakınız.
- **Çalışma yeri ile ilgili, kontrol edilmesi gereken sınır değerleri olan bileşenler:** Kalkmıştır.
- **Ek uyarılar:** Düzenlendiği tarihte geçerli listeler esas alınmıştır.
- **8.2 Maruz kalma kontrolü**
- **Kişisel koruyucu teçhizat:**
- **Genel koruyucu ve sıhhi önlemler:**
Gıda maddelerinden, içeceklerden ve yem maddelerinden uzak tutunuz.
Molalardan önce ve mesai sonunda ellerinizi yıkayınız.
Koruyucu giyimi ayrı yerde muhafaza ediniz.
Gözlerinize değmesinden kaçınınız.
Gözlerinize ve cildinize değmesinden kaçınınız.
- **Nefes koruyucu önlemler:** Gerekli değildir.
- **Elleri koruyucu:**



Koruyucu eldivenler

Eldiven malzemesi ürün / malzeme / hazırlanan madde ile ilgili olarak geçirmez ve dayanıklı olmalıdır. Testlerin yapılmamış olması nedeni ile ürün / hazırlanmış madde / kimyasal karışım için lâzım olan eldiven imalatında kullanılması gereken malzeme ile ilgili herhangi bir tavsiye yapılamamaktadır. Eldiven imalatı için kullanılan malzemelerin seçiminde delinme sürelerinin, geçirgenlik oranlarının ve bozulmanın göz önüne alınması gereklidir.

- **Eldiven malzemesi**
Uygun eldivenin seçiminde yalnız imalat malzemesi değil, aynı zamanda diğer kalite özellikleri de dikkate alınmalıdır ve bunlar imalatçıdan imalatçıya değişiklik göstermektedir.
- **Eldiven malzemesine nüfuz etme süresi**
Kesin delinme (aşınma) süresi eldiven imalatçısından öğrenilmeli ve bu süreler riayet edilmelidir.

(Devamı sayfa 4 'da)

Güvenlik bilgi formu
 23 Haziran 2017 tarihli, 30105 sayılı, „Kimyasalların Kaydı,
 Değerlendirilmesi, İzni Ve Kisitlanması Hakkında Yönetmelik,
 Madde 27“ hükümlerine uygun düzenlenmiştir

Baskı tarihi: 16.09.2022

Form No.: 13700

Yeniden düzenleme tarihi: 16.09.2022

Ticari adı: DDSA

(Sayfa 3 'nin devamı)

· Gözleri koruyucu:



Kenarları tam kapatan koruyucu gözlük

Bölüm 9: Fiziksel ve kimyasal özellikler

· 9.1 Temel fiziksel ve kimyasal özellikler hakkında bilgi

· Genel bilgiler

· Görünüm

· Biçim: Akışkansı

· Renk: Sarımsı

· Koku: Karakteristik

· Koku eşiği: Belirli değil.

· pH - değeri: Belirli değil.

· Durum değişikliği

· Erime noktası/donma noktası: -20 °C

· İlk kaynama noktası ve kaynama aralığı: 150 °C

· Parlama noktası: 113 °C

· Alevlenirlik (katı, gaz): Uygulanamaz.

· Bozunma sıcaklığı: Belirli değil.

· Kendiliğinden tutuşma sıcaklığı: Belirli değil.

· Patlayıcı özellikler: Ürünün patlama tehlikesi yoktur.

· Patlama sınırları:

· Alt: Belirli değil.

· Üst: Belirli değil.

· Buhar basıncı 20 °C'de: 0,765 hPa

· Yoğunluk 20 °C'de: 1,005 g/cm³

· Bağıl yoğunluk: Belirli değil.

· Buhar yoğunluğu: Belirli değil.

· Buharlaştırma hızı: Uygulanamaz.

· Çözülme kabiliyeti / karışma kabiliyeti

· suyla 25 °C'de: 0,01 g/l

· Dağılım katsayısı: n-oktanol/su: Belirli değil.

· Akışkanlık

· Dinamik: Belirli değil.

· Kinematik: Belirli değil.

· 9.2 Diğer bilgiler: Daha başka önemli bilgi mevcut değildir.

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(Devamı sayfa 5 'da)

Güvenlik bilgi formu
23 Haziran 2017 tarihli, 30105 sayılı, „Kimyasalların Kaydı, Değerlendirilmesi, İzni Ve Kısıtlanması Hakkında Yönetmelik, Madde 27“ hükümlerine uygun düzenlenmiştir

Baskı tarihi: 16.09.2022

Form No.: 13700

Yeniden düzenleme tarihi: 16.09.2022

Ticari adı: DDSA

(Sayfa 4 'nin devamı)

Bölüm 10: Kararlılık ve tepkime

- **10.1 Tepkime** Daha başka önemli bilgi mevcut değildir.
- **10.2 Kimyasal kararlılık**
- **Termik ayrışma / kaçınılması gereken şartlar:** Usulüne uygun şekilde kullanıldığında ayrışma olmaz.
- **10.3 Zararlı reaksiyon olasılığı** Tehlikeli reaksiyonları duyulmamıştır.
- **10.4 Kaçınılması gereken durumlar** Daha başka önemli bilgi mevcut değildir.
- **10.5 Uyumsuz malzemeler** Daha başka önemli bilgi mevcut değildir.
- **10.6 Zararlı bozunma ürünleri** Ayrışmada oluşan tehlikeli ürünler duyulmamıştır.

Bölüm 11: Toksikolojik bilgiler

- **11.1 Toksikolojik etkiler hakkında bilgi**
- **Akut toksisite** Mevcut bilgilere göre, sınıflandırma kriterlerini karşılamamaktadır.
- **Asli tahriş edici etkisi:**
- **Cilt aşınması/tahrişi** Mevcut bilgilere göre, sınıflandırma kriterlerini karşılamamaktadır.
- **Ciddi göz hasarları/tahrişi**
Ciddi göz tahrişine yol açar.
- **Solunum yolları veya cilt hassaslaşması**
Alerjik cilt reaksiyonlarına yol açabilir.
- **Aşağıdaki grupların potansiyel etkilerine dair bilgiler:**
- **CMR-etkileri (kansere üretici, irsiyet değiştirici ve üremeyi tehdit edici etki)**
- **Eşey hücre mutajenitesi** Mevcut bilgilere göre, sınıflandırma kriterlerini karşılamamaktadır.
- **Kanserojenite** Mevcut bilgilere göre, sınıflandırma kriterlerini karşılamamaktadır.
- **Üreme sistemi toksisitesi** Mevcut bilgilere göre, sınıflandırma kriterlerini karşılamamaktadır.
- **BHOT - tek maruz kalma** Mevcut bilgilere göre, sınıflandırma kriterlerini karşılamamaktadır.
- **BHOT - tekrarlı maruz kalma** Mevcut bilgilere göre, sınıflandırma kriterlerini karşılamamaktadır.
- **Aspirasyon zararı** Mevcut bilgilere göre, sınıflandırma kriterlerini karşılamamaktadır.

Bölüm 12: Ekolojik bilgiler

- **12.1 Toksikite**
- **Su toksisitesi:** Daha başka önemli bilgi mevcut değildir.
- **12.2 Kalıcılık ve bozunabilirlik** Daha başka önemli bilgi mevcut değildir.
- **12.3 Biyobirikim potansiyeli** Daha başka önemli bilgi mevcut değildir.
- **12.4 Toprakta hareketlilik** Daha başka önemli bilgi mevcut değildir.
- **Diğer ekolojik uyarılar:**
- **Genel uyarılar:**
Suyu tehdit sınıfı 1 (): suyu hafif tehdit edicidir
Sulandırılmamış vaziyette ya da büyük miktarlarda yeraltı suyuna, duran ve akan sulara ve kanalizasyona ulaşmasını " önleyiniz.
- **12.5 PBT ve vPvB değerlendirmesinin sonuçları**
- **PBT:** Uygulanamaz.
- **vPvB:** Uygulanamaz.
- **12.6 Diğer olumsuz etkiler** Daha başka önemli bilgi mevcut değildir.

TR

(Devamı sayfa 6 'da)

Güvenlik bilgi formu
23 Haziran 2017 tarihli, 30105 sayılı, „Kimyasalların Kaydı, Değerlendirilmesi, İzni Ve Kısıtlanması Hakkında Yönetmelik, Madde 27“ hükümlerine uygun düzenlenmiştir

Baskı tarihi: 16.09.2022

Form No.: 13700

Yeniden düzenleme tarihi: 16.09.2022

Ticari adı: DDSA

(Sayfa 5 'nin devamı)

Bölüm 13: Bertaraf etme bilgileri

- **13.1 Atık işleme yöntemleri**
- **Tavsiye:** Ev çöpüyle beraber tasfiye edilmesi yasaktır. Kanalizasyona ulaşmasını önleyiniz.
- **Temizlenmemiş ambalajlar:**
- **Tavsiye:** Tasfiyesi resmi makamların yönetmeliklerine göre yapılır.

Bölüm 14: Taşımacılık bilgisi

· 14.1 UN Numarası · ADR, IMDG, IATA	kalkmıştır
· 14.2 UN uygun taşımacılık ismi · ADR, IMDG, IATA	kalkmıştır
· 14.3 Taşımacılık zararları · ADR, ADN, IMDG, IATA · sınıfı	kalkmıştır
· 14.4 Ambalaj grubu · ADR, IMDG, IATA	kalkmıştır
· 14.5 Çevresel zararlar	Uygulanamaz.
· 14.6 Kullanıcılar için özel önlemler	Uygulanamaz.
· 14.7 MARPOL 73/78 EK II ve IBC Koduna göre Toplu Taşımacılık	Uygulanamaz.
· UN "Model Düzenleme":	kalkmıştır

Bölüm 15: Mevzuat bilgisi

- **15.1 Madde veya karışım için güvenlik, sağlık ve çevresel düzenlemeler/mevzuat**
- **2012/18/EU sayılı Direktifi**
- **Adlandırılmış tehlikeli maddeler - EK-1 Madde içinde bulunmamaktadır**
- **Elektrikli ve Elektronik Eşyalarda Bazı Zararlı Maddelerin Kullanımının Sınırlanmasına Dair Yönetmelik (2011/65/EU) - Ek-2**
Madde içinde bulunmamaktadır
- **Yönetmelik (EC) No 273/2004 Madde içinde bulunmamaktadır**
- **Yönetmelik (EC) No 111/2005 Madde içinde bulunmamaktadır**
- **15.2 Kimyasal güvenlik değerlendirmesi: Bir Kimyasal güvenlik değerlendirmesi yapılmamıştır.**

Bölüm 16: Diğer bilgiler

Veriler bugünkü bilgi durumumuza istinat etmektedir, ancak ürün özellikleri ile ilgili teminat teşkil etmezler ve akdî bir hukuki ilişki tesis etmezler.

- **Kısaltmalar ve:**

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

(Devamı sayfa 7 'da)

Güvenlik bilgi formu
23 Haziran 2017 tarihli, 30105 sayılı, „Kimyasalların Kaydı,
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Baskı tarihi: 16.09.2022

Form No.: 13700

Yeniden düzenleme tarihi: 16.09.2022

Ticari adı: DDSA

(Sayfa 6 'nın devamı)

IATA: International Air Transport Association
GHS: Globally Harmonised System of Classification and Labelling of Chemicals
EINECS: European Inventory of Existing Commercial Chemical Substances
CAS: Chemical Abstracts Service (division of the American Chemical Society)
PBT: Persistent, Bioaccumulative and Toxic
vPvB: very Persistent and very Bioaccumulative
Eye Irrit. 2: Ciddi göz hasarı/göz tahrişi – Kategori 2
Skin Sens. 1: Cilt hassaslaştırıcılığı – Kategori 1
Aquatic Chronic 4: Sucul ortam için zararlı – uzun süreli (kronik) sucul zararlılık - Kategori 4

TR