1 Identification

- Product identifier
- Trade name: BIEBRICH SCARLET SOLUTION 1%
- Article number: 26367-04, 26033-25
- 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: sgkccck@aol.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
  Acute Tox. 4  H302  Harmful if swallowed.
  Acute Tox. 4  H312  Harmful in contact with skin.
  Acute Tox. 4  H332  Harmful if inhaled.
  Eye Irrit. 2A  H319  Causes serious eye irritation.

- Label elements
- GHS label elements
  The product is classified and labeled according to the Globally Harmonized System (GHS).
- Hazard pictograms
  ! GHS07

- Signal word Warning
- Hazard statements
  Harmful if swallowed, in contact with skin or if inhaled.
  Causes serious eye irritation.
- Precautionary statements
  Avoid breathing dust/fume/gas/mist/vapors/spray
  Do not eat, drink or smoke when using this product.
  Use only outdoors or in a well-ventilated area.
  Wear protective gloves / protective clothing.
  If swallowed: Call a poison center/doctor if you feel unwell.
  Rinse mouth.
  If on skin: Wash with plenty of water.

(Contd. on page 2)
Trade name: BIEBRICH SCARLET SOLUTION 1%

IF INHALED: Remove person to fresh air and keep comfortable for breathing.
If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
If eye irritation persists: Get medical advice/attention.
Take off contaminated clothing and wash it before reuse.
Store in a closed container.
Store away from other materials.
Dispose of contents/container in accordance with local/regional/national/international regulations.

Classification system:
- NFPA ratings (scale 0 - 4)
  - Health = 2
  - Fire = 0
  - Reactivity = 0

- HMIS-ratings (scale 0 - 4)
  - Health = 2
  - Fire = 0
  - Reactivity = 0

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

3 Composition/information on ingredients

- Chemical characterization: Mixtures
- Description: Mixture of the substances listed below with nonhazardous additions.
- Dangerous components: Void

4 First-aid measures

- Description of first aid measures
  - After inhalation: Supply fresh air; consult doctor in case of complaints.
  - After skin contact: Generally the product does not irritate the skin.
  - 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.
6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures** Not required.
- **Environmental precautions:** Dilute with plenty of water.
- **Methods and material for containment and cleaning up:**
  Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
  Ensure adequate ventilation.
- **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:**
    64-19-7 Acetic Acid Glacial 5 ppm
  - **PAC-2:**
    64-19-7 Acetic Acid Glacial 35 ppm
  - **PAC-3:**
    64-19-7 Acetic Acid Glacial 250 ppm

7 Handling and storage

- **Handling:**
  - **Precautions for safe handling**
    Ensure good ventilation/exhaustion at the workplace.
    Prevent formation of aerosols.
  - **Information about protection against explosions and fires:** No special measures required.
- **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:**
    The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
  - **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.
    Immediately remove all soiled and contaminated clothing.
    Wash hands before breaks and at the end of work.
    Avoid contact with the eyes.
    Avoid contact with the eyes and skin.
· Breathing equipment:
  In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use respiratory protective device that is independent of circulating air.
· Protection of hands:
  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. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.
· 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: Liquid
      Color: Dark red
      Odor: Characteristic
      Odor threshold: Not determined.
    · pH-value: Not determined.
    · Change in condition
      Melting point/Melting range: Undetermined.
      Boiling point/Boiling range: 100 °C (212 °F)
    · Flash point: Not applicable.
    · Flammability (solid, gaseous): Not flammable.
### 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**: No sensitizing effects known.
Safety Data Sheet
acc. to OSHA HCS

Trade name: BIEBRICH SCARLET SOLUTION 1%

Additional toxicological information:
The product shows the following dangers according to internally approved calculation methods for preparations:
Irritant

Carcinogenic categories

IARC (International Agency for Research on Cancer)
None of the ingredients is listed.

NTP (National Toxicology Program)
None of the ingredients is listed.

OSHA-Ca (Occupational Safety Health Administration)
None of the ingredients is 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: Generally not hazardous for water
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.
Recommended cleansing agent: Water, if necessary with cleansing agents.

14 Transport information

UN-Number
DOT, ADR, IMDG, IATA: Void

UN proper shipping name
DOT, ADR, IMDG, IATA: Void
Trade name: BIEBRICH SCARLET SOLUTION 1%

| · Transport hazard class(es)          | Void |
|                                     | DOT, ADR, IMDG, IATA |
|                                     | Class          | Void |
| · Packing group                     | Void |
|                                     | DOT, ADR, IMDG, IATA |
| · 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
- Sara

- Section 355 (extremely hazardous substances):
  None of the ingredients is listed.

- Section 313 (Specific toxic chemical listings):
  None of the ingredients is listed.

- TSCA (Toxic Substances Control Act):
  All ingredients are listed.

- Proposition 65

- Chemicals known to cause cancer:
  None of the ingredients is listed.

- Chemicals known to cause reproductive toxicity for females:
  None of the ingredients is listed.

- Chemicals known to cause reproductive toxicity for males:
  None of the ingredients is listed.

- Chemicals known to cause developmental toxicity:
  None of the ingredients is listed.

- Carcinogenic categories
  - EPA (Environmental Protection Agency)
    None of the ingredients is listed.
  - TLV (Threshold Limit Value established by ACGIH)
    None of the ingredients is listed.
  - NIOSH-Ca (National Institute for Occupational Safety and Health)
    None of the ingredients is listed.

- GHS label elements
  The product is classified and labeled according to the Globally Harmonized System (GHS).
46.2.1

· Hazard pictograms

GHS07

· Signal word Warning

· Hazard statements
Harmful if swallowed, in contact with skin or if inhaled. Causes serious eye irritation.

· Precautionary statements
Avoid breathing dust/fume/gas/mist/vapors/spray
Do not eat, drink or smoke when using this product.
Use only outdoors or in a well-ventilated area.
Wear protective gloves / protective clothing.
If swallowed: Call a poison center/doctor if you feel unwell.
 Rinse mouth.
If on skin: Wash with plenty of water.
IF INHALED: Remove person to fresh air and keep comfortable for breathing.
If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.
Continue rinsing.
If eye irritation persists: Get medical advice/attention.
Take off contaminated clothing and wash it before reuse.
Store in a closed container.
Store away from other materials.
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.

· Date of preparation / last revision 06/27/2018 / -

· Abbreviations and acronyms:
ADR: Accord européen sur le transport 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
ACGIH: American Conference of Governmental Industrial Hygienists
EINECS: European Inventory of Existing Commercial Chemical Substances
ELINCS: European List of Notified Chemical Substances
CAS: Chemical Abstracts Service (division of the American Chemical Society)
NFPA: National Fire Protection Association (USA)
HMIS: Hazardous Materials Identification System (USA)
VOC: Volatile Organic Compounds (USA, EU)
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
Acute Tox. 4: Acute toxicity – Category 4
Eye Irrit. 2A: Serious eye damage/eye irritation – Category 2A
1 Identification

- Product identifier

- Trade name: BIEBRICH SCARLET SOLUTION 1%

- Article number: 26367-04, 26033-25

- 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: sgkck@aol.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

  Acute Tox. 4 H302 Harmful if swallowed.
  Acute Tox. 4 H312 Harmful in contact with skin.
  Acute Tox. 4 H332 Harmful if inhaled.
  Eye Irrit. 2A H319 Causes serious eye irritation.

- Label elements

- GHS label elements
  The product is classified and labelled according to the Globally Harmonised System (GHS).

(Contd. on page 2)
Safety Data Sheet
according to WHS Regulations

Trade name: BIEBRICH SCARLET SOLUTION 1%

- Hazard pictograms
  
  ![GHS07]

- Signal word Warning

- Hazard statements
  Harmful if swallowed.
  Harmful in contact with skin.
  Harmful if inhaled.
  Causes serious eye irritation.

- Precautionary statements
  Avoid breathing dust/fume/gas/mist/vapours/spray.
  Do not eat, drink or smoke when using this product.
  Use only outdoors or in a well-ventilated area.
  Wear protective gloves / protective clothing.
  IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell.
  Rinse mouth.
  IF ON SKIN: Wash with plenty of water.
  IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
  IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
  If eye irritation persists: Get medical advice/attention.
  Take off contaminated clothing and wash it before reuse.
  Store in a closed container.
  Store away from other materials.
  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: Mixtures

- Description: Mixture of substances listed below with nonhazardous additions.

- Dangerous components: Void

- Additional information: For the wording of the listed hazard phrases refer to section 16.

4 First Aid Measures

- Description of first aid measures

- After inhalation: Supply fresh air; consult doctor in case of complaints.

- After skin contact: Generally the product does not irritate the skin.

- 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.
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: Dilute with plenty of water.
- Methods and material for containment and cleaning up:
  Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
  Ensure adequate ventilation.
- 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
  Ensure good ventilation/exhaustion at the workplace.
  Prevent formation of aerosols.
- Information about fire - and explosion protection: No special measures required.
- 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:
  The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
- 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.
    Immediately remove all soiled and contaminated clothing
    Wash hands before breaks and at the end of work.
    Avoid contact with the eyes.
    Avoid contact with the eyes and skin.
· Respiratory protection:
  In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer
  exposure use self-contained respiratory protective device.
· Protection of hands:
  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. As the product is a preparation of several
  substances, the resistance of the glove material can not be calculated in advance and has therefore to be
  checked prior to the application.
· 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: Liquid
      Colour: Dark red
      Odour: Characteristic
      Odour threshold: Not determined.
    · pH-value: Not determined.
    · Change in condition
      Melting point/freezing point: Undetermined.
      Initial boiling point and boiling range: 100 °C
    · Flash point: Not applicable.
    · Flammability (solid, gas): Not applicable.
Trade name: BIEBRICH SCARLET SOLUTION 1%

- Decomposition temperature: Not determined.
- Auto-ignition temperature: Product is not selfigniting.
- Explosive properties: Product does not present an explosion hazard.
  - Explosion limits:
    - Lower: Not determined.
    - Upper: Not determined.
- Vapour pressure at 20 °C: 23 hPa
- Density: Not determined.
- Relative density: Not determined.
- Vapour density: Not determined.
- Evaporation rate: Not determined.
- Solubility in / Miscibility with water: Fully miscible.
- Partition coefficient: n-octanol/water: Not determined.
- Viscosity:
  - Dynamic: Not determined.
  - Kinematic: Not determined.
- Solvent content:
  - Organic solvents: 1.0 %
  - Water: 98.0 %
  - VOC (EC): 0.99 %
- Solids content: 0.0 %
- 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: No sensitising effects known.
Trade name: BIEBRICH SCARLET SOLUTION 1%

- Additional toxicological information:
The product shows the following dangers according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version:
  - Irritant

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: Generally not hazardous for water

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.
- Recommended cleansing agents: Water, if necessary together with cleansing agents.

14 Transport information

- UN-Number
  - ADG, ADN, IMDG, IATA: Not regulated

- UN proper shipping name
  - ADG, ADN, IMDG, IATA: Not regulated

- Transport hazard class(es)
  - ADG, ADN, IMDG, IATA: 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.
Safety Data Sheet
according to WHS Regulations

Trade name: BIEBRICH SCARLET SOLUTION 1%

15 Regulatory information

- **Safety, health and environmental regulations/legislation specific for the substance or mixture**

  - **Australian Inventory of Chemical Substances**
    - 64-19-7 Acetic Acid Glacial
    - 4196-99-0 sodium 6-(2-hydroxynaphthylazo)-3,4’-azodibenzenesulphonate
    - 7732-18-5 Deionized Water, Reagent Grade A.C.S.

  - **Standard for the Uniform Scheduling of Medicines and Poisons**
    - 64-19-7 Acetic Acid Glacial

- **GHS label elements**
  The product is classified and labelled according to the Globally Harmonised System (GHS).

- **Hazard pictograms**

- **Signal word** Warning

- **Hazard statements**
  Harmful if swallowed.
  Harmful in contact with skin.
  Harmful if inhaled.
  Causes serious eye irritation.

- **Precautionary statements**

  Avoid breathing dust/fume/gas/mist/vapours/spray.
  Do not eat, drink or smoke when using this product.
  Use only outdoors or in a well-ventilated area.
  Wear protective gloves / protective clothing.
  IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell.
  Rinse mouth.
  IF ON SKIN: Wash with plenty of water.
  IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
  IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
  If eye irritation persists: Get medical advice/attention.
  Take off contaminated clothing and wash it before reuse.
  Store in a closed container.
  Store away from other materials.
  Dispose of contents/container in accordance with local/regional/national/international regulations.

- **Directive 2012/18/EU**

- **Named dangerous substances - ANNEX I** None of the ingredients is 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.

- Abbreviations and acronyms:
  ADR: Accord européen sur le transport 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
  ELINCS: European List of Notified Chemical Substances
  CAS: Chemical Abstracts Service (division of the American Chemical Society)
  VOC: Volatile Organic Compounds (USA, EU)
  PBT: Persistent, Bioaccumulative and Toxic
  vPvB: very Persistent and very Bioaccumulative
  Acute Tox. 4: Acute toxicity – Category 4
  Eye Irrit. 2A: Serious eye damage/eye irritation – Category 2A
1 Identification

- **Product identifier**
- **Trade name:** BIEBRICH SCARLET SOLUTION 1%
- **Article number:** 26367-04, 26033-25
- **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: sgkkck@aol.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
  - Acute Toxicity (Oral) - Category 4  H302 Harmful if swallowed.
  - Acute Toxicity (Dermal) – Category 4  H312 Harmful in contact with skin.
  - Acute Toxicity (Inhalation) - Category 4  H332 Harmful if inhaled.

- **Label elements**
- **GHS label elements**
  The product is classified and labeled according to the Globally Harmonized System (GHS).
- **Hazard pictograms**
  - GHS07

- **Signal word** Warning
- **Hazard statements**
  Harmful if swallowed, in contact with skin or if inhaled.
- **Precautionary statements**
  Avoid breathing dust/fume/gas/mist/vapours/spray.
  Wash thoroughly after handling.
  Do not eat, drink or smoke when using this product.
  Use only outdoors or in a well-ventilated area.
  Wear protective gloves/protective clothing/eye protection/face protection.
  If swallowed: Call a poison center/doctor if you feel unwell.
  Rinse mouth.
  If on skin: Wash with plenty of water.
  IF INHALED: Remove person to fresh air and keep comfortable for breathing.

(Contd. on page 2)
Trade name: BIEBRICH SCARLET SOLUTION 1%

Specific measures (see on this label).
Take off immediately all contaminated clothing.
Wash contaminated clothing before reuse.
Store in a dry place. Store in a closed container.
Dispose of contents/container in accordance with local/regional/national/international regulations.

· Hazard description:
· WHMIS-symbols:
  D2B - Toxic material causing other toxic effects

Classification system:
· NFPA ratings (scale 0 - 4)
  Health = 2
  Fire = 0
  Reactivity = 0

· HMIS-ratings (scale 0 - 4)
  Health = 2
  Fire = 0
  Reactivity = 0

3 Composition/information on ingredients
· Chemical characterization: Mixtures
· Description: Mixture of the substances listed below with nonhazardous additions.
· Dangerous components: Void

4 First-aid measures
· Description of first aid measures
  · After inhalation: Supply fresh air; consult doctor in case of complaints.
  · After skin contact: Generally the product does not irritate the skin.
  · 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.
46.2.1 Advice for firefighters

Protective equipment: No special measures required.

6 Accidental release measures

Personal precautions, protective equipment and emergency procedures: Not required.

Environmental precautions: Dilute with plenty of water.

Methods and material for containment and cleaning up:
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Ensure adequate ventilation.

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
Ensure good ventilation/exhaustion at the workplace.
Prevent formation of aerosols.

Information about protection against explosions and fires: No special measures required.

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:
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

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.
Immediately remove all soiled and contaminated clothing.
Wash hands before breaks and at the end of work.
Avoid contact with the eyes.
Avoid contact with the eyes and skin.

Breathing equipment:
In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use respiratory protective device that is independent of circulating air.
Trade name: BIEBRICH SCARLET SOLUTION 1%

- Protection of hands:
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. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

- 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: Liquid
    Color: Dark red
  - Odor: Characteristic
  - Odor threshold: Not determined.
  - pH-value: Not determined.

- Change in condition
  - Melting point/Melting range: Undetermined.
  - Boiling point/Boiling range: 100 °C

- Flash point: Not applicable.

- Flammability (solid, gaseous): Not flammable.

- Decomposition temperature: Not determined.

- Auto igniting: Product is not selfigniting.

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

- Explosion limits:
  - Lower: Not determined.
  - Upper: Not determined.

- Vapor pressure at 20 °C: 23 hPa

- Density: Not determined.
- Relative density: Not determined.
- Vapor density: Not determined.
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: No sensitizing effects known.
- Additional toxicological information:
The product shows the following dangers according to internally approved calculation methods for preparations:
  - Irritant
- Carcinogenic categories
  - IARC (International Agency for Research on Cancer)
    None of the ingredients is listed.
  - NTP (National Toxicology Program)
    None of the ingredients is 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: Generally not hazardous for water
- **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.
- **Recommended cleansing agent:** Water, if necessary with cleansing agents.

### 14 Transport information

<table>
<thead>
<tr>
<th>Item</th>
<th>Value</th>
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</thead>
<tbody>
<tr>
<td>UN-Number</td>
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<td>UN proper shipping name</td>
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<td>Class</td>
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<tr>
<td>Packing group</td>
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<tr>
<td>DOT, TDG, IMDG, IATA</td>
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<tr>
<td>Environmental hazards:</td>
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</tr>
<tr>
<td>Special precautions for user</td>
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</tr>
<tr>
<td>Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code</td>
<td>Not applicable.</td>
</tr>
<tr>
<td>UN &quot;Model Regulation&quot;:</td>
<td>Void</td>
</tr>
</tbody>
</table>
15 Regulatory information

- Safety, health and environmental regulations/legislation specific for the substance or mixture
  - SARA
    - Section 355 (extremely hazardous substances):
      None of the ingredients is listed.
    - Section 313 (Specific toxic chemical listings):
      None of the ingredients is listed.
  - TSCA (Toxic Substances Control Act):
    All ingredients are listed.
  - Canadian substance listings:
    - Canadian Domestic Substances List (DSL)
      64-19-7 Acetic Acid Glacial
      4196-99-0 sodium 6-(2-hydroxynaphthylazo)-3,4'-azodibenzensulphonate
      7732-18-5 Deionized Water, Reagent Grade A.C.S.
    - Canadian Ingredient Disclosure list (limit 0.1%)
      None of the ingredients is listed.
    - Canadian Ingredient Disclosure list (limit 1%)
      None of the ingredients is listed.
  - GHS label elements
    The product is classified and labeled according to the Globally Harmonized System (GHS).
  - Hazard pictograms
    GHS07

- Signal word Warning
- Hazard statements
  Harmful if swallowed, in contact with skin or if inhaled.
- Precautionary statements
  Avoid breathing dust/fume/gas/mist/vapours/spray.
  Wash thoroughly after handling.
  Do not eat, drink or smoke when using this product.
  Use only outdoors or in a well-ventilated area.
  Wear protective gloves/protective clothing/eye protection/face protection.
  If swallowed: Call a poison center/doctor if you feel unwell.
  Rinse mouth.
  If on skin: Wash with plenty of water.
  IF INHALED: Remove person to fresh air and keep comfortable for breathing.
  Specific measures (see on this label).
  Take off immediately all contaminated clothing.
  Wash contaminated clothing before reuse.
  Store in a dry place. Store in a closed container.
  Dispose of contents/container in accordance with local/regional/national/international regulations.
Trade name: BIEBRICH SCARLET SOLUTION 1%

- 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.

- Date of preparation / last revision: 06/27/2018 / -
- 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
  - ELINCS: European List of Notified Chemical Substances
  - CAS: Chemical Abstracts Service (division of the American Chemical Society)
  - NFPA: National Fire Protection Association (USA)
  - HMIS: Hazardous Materials Identification System (USA)
  - WHMIS: Workplace Hazardous Materials Information System (Canada)
  - PBT: Persistent, Bioaccumulative and Toxic
  - vPvB: very Persistent and very Bioaccumulative
SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier
- Trade name: BIEBRICH SCARLET SOLUTION 1%
- Article number: 26367-04, 26033-25
- 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: sgkck@aol.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

GHS07

Acute Tox. 4 H302 Harmful if swallowed.
Acute Tox. 4 H312 Harmful in contact with skin.
Acute Tox. 4 H332 Harmful if inhaled.

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

GHS07

Signal word Warning
Hazard statements
H302+H312+H332 Harmful if swallowed, in contact with skin or if inhaled.

Precautionary statements
P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P301+P312 IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell.
P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P420 Store away from other materials.
Trade name: BIEBRICH SCARLET SOLUTION 1%

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

· 3.2 Chemical characterisation: Mixtures
· Description: Mixture of substances listed below with nonhazardous additions.
· Dangerous components: Void
· Additional information: For the wording of the listed hazard phrases refer to section 16.

SECTION 4: First aid measures

· 4.1 Description of first aid measures
· After inhalation: Supply fresh air; consult doctor in case of complaints.
· After skin contact: Generally the product does not irritate the skin.
· 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: Dilute with plenty of water.
· 6.3 Methods and material for containment and cleaning up:
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Ensure adequate ventilation.
· 6.4 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.
SECTION 7: Handling and storage

- 7.1 Precautions for safe handling
  Ensure good ventilation/exhaustion at the workplace.
  Prevent formation of aerosols.
- Information about fire - and explosion protection: No special measures required.

- 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

- Additional information about design of technical facilities: No further data; see item 7.

- 8.1 Control parameters
- Ingredients with limit values that require monitoring at the workplace:
  The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
- 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.
    Immediately remove all soiled and contaminated clothing
    Wash hands before breaks and at the end of work.
    Avoid contact with the eyes.
    Avoid contact with the eyes and skin.
  - Respiratory protection:
    In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.
- Protection of hands:
  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. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.
- 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.
### SECTION 9: Physical and chemical properties

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

**General Information**

- **Appearance:**
  - **Form:** Liquid
  - **Colour:** Dark red
- **Odour:** Characteristic
- **Odour threshold:** Not determined.
- **pH-value:** Not determined.

**Change in condition**

- **Melting point/freezing point:** Undetermined.
- **Initial boiling point and boiling range:** 100 °C

**Flash point:** Not applicable.

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

**Decomposition temperature:** Not determined.

**Auto-ignition temperature:** Product is not selfigniting.

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

**Explosion limits:**

- **Lower:** Not determined.
- **Upper:** Not determined.

**Vapour pressure at 20 °C:** 23 hPa

**Density:** Not determined.

- **Relative density**
- **Vapour density**
- **Evaporation rate**

**Solubility in / Miscibility with water:** Fully miscible.

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

**Viscosity:**

- **Dynamic:** Not determined.
- **Kinematic:** Not determined.

**Solvent content:**

- **Organic solvents:** 1.0 %
- **Water:** 98.0 %
- **VOC (EC):** 0.99 %

(Contd. on page 5)
46.2.1 Solids content: 0.0 %

9.2 Other information No further relevant information available.

SECTION 10: Stability and reactivity

- 10.1 Reactivity No further relevant information available.
- 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 Harmful if swallowed, in contact with skin or if inhaled.
- Primary irritant effect:
- Skin corrosion/irritation Based on available data, the classification criteria are not met.
- Serious eye damage/irritation Based on available data, the classification criteria are not met.
- Respiratory or skin sensitisation Based on available data, the classification criteria are not met.
- 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: Generally not hazardous for water
- 12.5 Results of PBT and vPvB assessment
- PBT: Not applicable.
- vPvB: Not applicable.
- 12.6 Other adverse effects No further relevant information available.

GB (Contd. on page 6)
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.

Uncleaned packaging:
   Recommendation: Disposal must be made according to official regulations.
   Recommended cleansing agents: Water, if necessary together with cleansing agents.

SECTION 14: Transport information

14.1 UN-Number
   ADR, ADN, IMDG, IATA not regulated

14.2 UN proper shipping name
   ADR, ADN, IMDG, IATA not regulated

14.3 Transport hazard class(es)
   ADR, ADN, IMDG, IATA not regulated
   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 None of the ingredients is listed.
   REGULATION (EC) No 1907/2006 ANNEX XVII Conditions of restriction: 3
   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 européen sur le transport 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
### Trade name: BIEBRICH SCARLET SOLUTION 1%

<table>
<thead>
<tr>
<th>Acute Tox. 4: Acute toxicity – Category 4</th>
</tr>
</thead>
</table>

**EINECS**: European Inventory of Existing Commercial Chemical Substances  
**ELINCS**: European List of Notified Chemical Substances  
**CAS**: Chemical Abstracts Service (division of the American Chemical Society)  
**VOC**: Volatile Organic Compounds (USA, EU)  
**PBT**: Persistent, Bioaccumulative and Toxic  
**vPvB**: very Persistent and very Bioaccumulative
**RUBRIEK 1: Identificatie van de stof of het mengsel en van de vennootschap/onderneming**

- **1.1 Productidentificatie**

  - Handelsnaam: **BIEBRICH SCARLET SOLUTION 1%**
  - Artikelnummer: 26367-04, 26033-25

- **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** Laboratoriumchemcaliën

- **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: sgkck@aol.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 sectoren: Product safety department

- **1.4 Telefoonnummer voor noodgevallen:**
  ChemTrec 1-800-424-9300 Contract CCN7661
  1-703-527-3887

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**RUBRIEK 2: Identificatie van de gevaren**

- **2.1 Indeling van de stof of het mengsel**

  - GHS07

  Acute Tox. 4 H302 Schadelijk bij inslikken.
  Acute Tox. 4 H312 Schadelijk bij contact met de huid.
  Acute Tox. 4 H332 Schadelijk bij inademng.

- **2.2 Etiketteringselementen**

  - Etikettering overeenkomstig Verordening (EG) nr. 1272/2008
  Het product is geclassificeerd en geëtiketteerd volgens de CLP-verordening.

  - Gevarenpictogrammen

  - GHS07

  - **Signaalwoord** Waarschuing

(Vervolg op blz. 2)
Handelsnaam: BIEBRICH SCARLET SOLUTION 1%

· Gevarenaanduidingen
  H302+H312+H332 Schadelijk bij inslikken, bij contact met de huid en bij inademing.

· Veiligheidsaanbevelingen
  P261 Inademing van stof/rook/gas/nevel/damp/spuitnevel vermijden.
  P280 Beschermende handschoenen/beschermende kleding/oogbescherming/gelaatsbescherming dragen.
  P301+P312 NA INSLIKKEN: bij onwel voelen een ANTIGIFCENTRUM/arts raadplegen.
  P304+P340 NA INADEMING: de persoon in de frisse lucht brengen en ervoor zorgen dat deze gemakkelijk kan ademen.
  P420 Gescheiden van ander materiaal bewaren.
  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

· 3.2 Chemische karakterisering: Mengsels
  · Beschrijving: Mengsel van na elkaar aangevoerde stoffen met ongevaarlijke bijmengingen.
  · Gevaarlijke inhoudstoffen: Niet van toepassing
  · Aanvullende gegevens:
    De woordelijke inhoud van de opgegeven aanwijzingen inzake de mogelijke gevaren is te vinden in hoofdstuk 16.

RUBRIEK 4: Eerstehulpmaatregelen

· 4.1 Beschrijving van de eerstehulpmaatregelen
  · Na het inademen: Frisse lucht toedienen; bij klachten arts ontbieden.
  · Na huidcontact: Over het algemeen is het produkt niet prikkelend voor de huid
  · 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
  · Geschiedte blusmiddelen: Brandblusmaatregelen op omgeving afstemmen.
  · 5.2 Speciale gevaren die door de stof of het mengsel worden veroorzaakt
    Geen verdere relevante informatie verkrijgbaar.
RUBRIEK 6: Maatregelen bij het accidenteel vrijkomen van de stof of het mengsel

- 6.1 Persoonlijke voorzorgsmaatregelen, beschermd e uitrusting en noodprocedures: Niet nodig.
- 6.2 Milieuvoorzorgsmaatregelen: Met veel water verdunnen.
- 6.3 Insluitings- en reinigingsmethoden en -materiaal:
  Met vloeistofbindend materiaal (zand, bergmeel, zuurbinder, universele binder, zaagmeel) opnemen.
  Voor voldoende ventilatie zorgen.
- 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
  Voor goede ventilatie/apzuiging op de werkplaatsen zorgen.
  Aërosolvorming vermijden.
- 7.2 Voorwaarden voor een veilige opslag, met inbegrip van incompatibele producten
  Opslag:
  - Eisen ten opzichte van opslagrauimte 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

- Aanvullende gegevens m.b.t. de inrichting van technische installaties: Geen aanvullende gegevens. Zie 7.
- 8.1 Controleparameters
  - Bestanddelen met grenswaarden die m. b. t. de werkrui mte in acht genomen moeten worden:
    Het product bevat geen relevante hoeveelheden van stoffen, die met betrekking tot de werkpleatsen, qua grenswaarden gecontroleerd moeten worden.
  - 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.
    Verontreinigde kleding onmiddellijk uittrekken.
    Vóór de pauze en aan het einde van werktijd handen wassen.
    Aanraking met de ogen vermijden.
    Aanraking met de ogen en de huid vermijden.
  - Ademhalingsbescherming:
    Bij korte of geringe belasting ademfiltertoestel; bij intensieve resp. langdurige expositie een van de omringende lucht onafhankelijk ademhalingsstoestel gebruiken.
Handelsnaam: BIEBRICH SCARLET SOLUTION 1%

- Handbescherming:

- 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. Aangezien het product uit meerdere stoffen is samengesteld, is de duurzaamheid van de handschoenmaterialen niet vooraf berekenbaar en moet derhalve vóór het gebruik worden getest.

- 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: Vloeistof
  - Kleur: Donkerrood
  - Geur: Karakteristiek
  - Geurdrempelwaarde: Niet bepaald.
- pH-waarde: Niet bepaald.
- Toestandsverandering
  - Smelt-/vriespunt: Niet bepaald.
  - Beginkookpunt en kooktraject: 100 °C
- Vlampunt: Niet bruikbaar.
- Ontvlambaarheid (vast, gas): Niet bruikbaar.
- Ontledingstemperatuur: Niet bepaald.
- Zelfontbrandingstemperatuur: Het produkt ontbrandt niet uit zichzelf.
- Ontploffingseigenschappen: Het produkt is niet ontploffingsgevaarlijk.
- Ontploffingsgrenzen:
  - Onderste: Niet bepaald.
  - Bovenste: Niet bepaald.
- Dampspanning bij 20 °C: 23 hPa
- Dichtheid: Niet bepaald.
- Relatieve dichtheid: Niet bepaald.
- Dampdichtheid: Niet bepaald.

(Vervolg op blz. 5)
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(Vervolg van blz. 4)

| · Verdampingssnelheid  | Niet bepaald. |
| · Oplosbaarheid in/mengbaarheid met Water: | Volledig mengbaar. |
| · Verdelingscoëfficiënt: n-octanol/water: | Niet bepaald. |
| · Viscositeit  |
  | Dynamisch: | Niet bepaald. |
  | Kinematisch: | Niet bepaald. |
| · Oplosmiddelgehalte:  |
  | Organisch oplosmiddel: | 1,0 % |
  | Water: | 98,0 % |
  | VOC (EG): | 0,99 % |
| · Gehalte aan vaste bestanddelen: | 0,0 % |
| · 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 ontleedingsproducten: Geen gevaarlijke ontleedingsproducten bekend.

RUBRIEK 11: Toxicologische informatie

· 11.1 Informatie over toxicologische effecten
· Acute toxiciteit
  Schadelijk bij inslikken, bij contact met de huid en bij inademing.
· Primaire aandoening:
· Huidcorrosie/-irritatie Gebaseerd op beschikbare gegevens; aan de indelingscriteria is niet voldaan.
· Ernstig oogletsel/oggerirritatie Gebaseerd op beschikbare gegevens; aan de indelingscriteria is niet voldaan.
· Sensibilisatie van de luchtwegen/de huid Gebaseerd op beschikbare gegevens; aan de indelingscriteria is niet voldaan.
· 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.
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(Rervolg van blz. 5)

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
    Over het algemeen geen gevaar voor water
  • 12.5 Resultaten van PBT- en zPzB-beoordeling
    • PBT: Niet bruikbaar.
    • zPzB: Niet bruikbaar.
  • 12.6 Andere schadelijke effecten Geen verdere relevante informatie verkrijgbaar.

(Rervolg op blz. 7)

RUBRIEK 13: Instructies voor verwijdering

- 13.1 Afvalverwerkingsmethoden
  • Aanbeveling: Mag niet tesamen met huisvuil gestort worden of in de riolerings terechtkomen.
  • Niet gereinigde verpakkingen:
    • Aanbeveling: Afvalverwijdering volgens overheidsbepalingen.
    • Aanbevolen reinigingsmiddel: Water, eventueel met toevoeging van reinigingsmiddelen.

RUBRIEK 14: Informatie met betrekking tot het vervoer

- 14.1 VN-nummer
  • ADR, ADN, IMDG, IATA Niet van toepassing

- 14.2 Juiste ladingnaam overeenkomstig de modelreglementen van de VN
  • ADR, ADN, 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 Milieuevaren:
  • 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

(Vervolg op blz. 7)
RUBRIEK 15: Regelgeving

- 15.1 Specifieke veiligheids-, gezondheids- en milieureglementen en -wetgeving voor de stof of het mengsel
- SZW-lijst van kankerverwekkende stoffen
goed der bestanddelen staat op de lijst.
- SZW-lijst van mutagene stoffen
goed der bestanddelen staat op de lijst.
- NIET-limitatieve lijst van voor de voortplanting giftige stoffen - Vruchtbaarheid
goed der bestanddelen staat op de lijst.
- NIET-limitatieve lijst van voor de voortplanting giftige stoffen - Ontwikkeling
goed der bestanddelen staat op de lijst.
- NIET-limitatieve lijst van voor de voortplanting giftige stoffen - Borstvoeding
goed der bestanddelen staat op de lijst.
- Richtlijn 2012/18/EU
- Gevaarlijke stoffen die met naam genoemd worden - BIJLAGE I goed der bestanddelen staat op de lijst.
- Verordening (EG) nr. 1907/2006 BIJLAGE XVII Beperkingsvoorwaarden: 3
- Nationale voorschriften:
- Gevaarklasse v. water:
  Waterbezwaarlijkheid (NL): B(4) Weinig schadelijk voor in water levende organismen

RUBRIEK 16: Overige informatie

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

Afkortingen en acroniemen:
- ADR: Accord européen sur le transport 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
- ELINCS: European List of Notified Chemical Substances
- CAS: Chemical Abstracts Service (division of the American Chemical Society)
- VOC: Volatile Organic Compounds (USA, EU)
- PBT: Persistent, Bioaccumulative and Toxic
- vPvB: very Persistent and very Bioaccumulative
- Acute Tox. 4: Acute toxiciteit – Categorie 4
Fiche de données de sécurité selon 1907/2006/CE, Article 31

Date d'impression : 27.06.2018 Révision: 27.06.2018

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

- 1.1 Identificateur de produit
  - Nom du produit: BIEBRICH SCARLET SOLUTION 1%
  - Code du produit: 26367-04, 26033-25
- 1.2 Utilisations identifiées pertinentes de la substance ou du mélange et utilisations déconseillées
  Pas d'autres informations importantes disponibles.
- 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: sgkcck@aol.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
    Acute Tox. 4 H302 Nocif en cas d'ingestion.
    Acute Tox. 4 H312 Nocif par contact cutané.
    Acute Tox. 4 H332 Nocif par inhalation.

- 2.2 Éléments d’étiquetage
  - Étiquetage selon le règlement (CE) n° 1272/2008
    Le produit est classifié et étiqueté selon le règlement CLP.
  - Pictogrammes de danger
    GHS07

- Mention d’avertissement Attention
- Mentions de danger
  H302+H312+H332 Nocif en cas d’ingestion, de contact cutané ou d’inhalation.
- Conseils de prudence
  P261 Éviter de respirer les poussières/fumées/gaz/brouillards/vapeurs/aérosols.
  P280 Porter des gants de protection/des vêtements de protection/un équipement de protection des yeux/du visage.
  P301+P312 EN CAS D’INGESTION: Appeler un CENTRE ANTIPOISON/un médecin en cas de malaise.
  P304+P340 EN CAS D’INHALATION: transporter la personne à l’extérieur et la maintenir dans une position où elle peut confortablement respirer.

(suite page 2)
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P420 Stocker à l’écart des autres matières.
P501 Éliminer le contenu/récipient 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
- 3.2 Caractérisation chimique: Mélanges
  - Description: Mélange des substances mentionnées à la suite avec des additifs non dangereux.
  - Composants dangereux: néant
  - Indications complémentaires: Pour le libellé des phrases de risque citées, se référer au chapitre 16.

RUBRIQUE 4: Premiers secours
- 4.1 Description des premiers secours
  - Après inhalation: Donner de l’air frais, consulter un médecin en cas de troubles.
  - Après contact avec la peau: En règle générale, le produit n’irrite pas la peau.
  - 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 résul tant de la substance ou du mélange
  - Pas d'autres informations importantes disponibles.
- 5.3 Conseils aux pompiers
  - Equipement 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: Diluer avec beaucoup d'eau.
- 6.3 Méthodes et matériel de confinement et de nettoyage:
  - Recueillir les liquides à l'aide d'un produit absorbant (sable, kieselguhr, neutralisant d'acide, liant universel, sciure).
  - Assurer une aération suffisante.
- 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.
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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
  Veille à une bonne ventilation/aspiration du poste de travail.
  Éviter la formation d'aérosols.
- Préventions des incendies et des explosions: Aucune mesure particulière n'est requise.
- 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

- Indications complémentaires pour l'agencement des installations techniques:
  Sans autre indication, voir point 7.
- 8.1 Paramètres de contrôle
  - Composants présentant des valeurs-seuil à surveiller par poste de travail:
    Le produit ne contient pas en quantité significative des substances présentant des valeurs-seuil à surveiller par poste de travail.
  - Remarques supplémentaires:
    Le présent document s'appuie sur les listes en vigueur au moment de son élaboration.
- 8.2 Contrôles de l'exposition
  - Equipement 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.
      Retirer immédiatement les vêtements souillés ou humectés.
      Se laver les mains avant les pauses et en fin de travail.
      Éviter tout contact avec les yeux.
      Éviter tout contact avec les yeux et avec la peau.
    - Protection respiratoire:
      En cas d'exposition faible ou de courte durée, utiliser un filtre respiratoire; en cas d'exposition intense ou durable, utiliser un appareil de respiration indépendant de l'air ambiant.
    - Protection des mains:
      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 dépend non seulement du matériau, mais aussi d'autres critères de qualité qui peuvent varier d'un fabricant à l'autre. Puisque le produit représente une préparation composée de plusieurs substances, la résistance des matériaux des gants ne peut pas être calculée à l'avance et doit, alors, être contrôlée avant l'utilisation.
  - 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.
### RUBRIQUE 9: Propriétés physiques et chimiques

| Informations sur les propriétés physiques et chimiques essentielles |
| Aspect: 
  - Forme: Liquide  
  - Couleur: Rouge foncé  
  - Odeur: Caractéristique  
  - Seuil olfactif: Non déterminé.  
  - Valeur du pH: Non déterminé.  
| Changement d'état:  
  - Point de fusion/point de congélation: Non déterminé.  
  - Point initial d'ébullition et intervalle d'ébullition: 100 °C  
| Point d'éclair: Non applicable.  
| Inflammabilité (solide, gaz): Non applicable.  
| Température de décomposition: Non déterminé.  
| Température d'auto-inflammabilité: Le produit ne s'enflamme pas spontanément.  
| Propriétés explosives: Le produit n'est pas explosif.  
| Limites d'explosion: 
  - Inférieure: Non déterminée.  
  - Supérieure: Non déterminée.  
| Pression de vapeur à 20 °C: 23 hPa  
| Densité: Non déterminée.  
| Densité relative: Non déterminée.  
| Densité de vapeur: Non déterminée.  
| Taux d'évaporation: Non déterminé.  
| Solubilité dans/miscibilité avec l'eau: Entièrement miscible  
| Coefficient de partage: n-octanol/eau: Non déterminé.  
| Viscosité: 
  - Dynamique: Non déterminé.  
  - Cinématique: Non déterminé.  
| Teneur en solvants: 
  - Solvants organiques: 1,0 %  
  - Eau: 98,0 %  
  - VOC (CE): 0,99 %  

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Teneur en substances solides: 0,0 %
- 9.2 Autres informations: Pas d'autres informations importantes disponibles.

RUBRIQUE 10: Stabilité et réactivité
- 10.1 Réactivité: Pas d'autres informations importantes disponibles.
- 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: Nocif en cas d'ingestion, de contact cutané ou d’inhalation.
- 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:
  Compte tenu des données disponibles, les critères de classification ne sont pas remplis.
- Sensibilisation respiratoire ou cutanée:
  Compte tenu des données disponibles, les critères de classification ne sont pas remplis.
- 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.
- Cancérogénéité:
  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: En général non polluant.
**Nom du produit:** BIEBRICH SCARLET SOLUTION 1%

### 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.

**Produit de nettoyage recommandé:** Eau, éventuellement avec des produits de nettoyage

### RUBRIQUE 14: Informations relatives au transport

**14.1 Numéro ONU**

ADR, ADN, IMDG, IATA néant

**14.2 Désignation officielle de transport de l'ONU**

ADR, ADN, IMDG, IATA néant

**14.3 Classe(s) de danger pour le transport**

**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 Aucun des composants n’est compris.
- RÈGLEMENT (CE) N° 1907/2006 ANNEXE XVII Conditions de limitation: 3
- 15.2 Évaluation de la sécurité chimique: Une évaluation de la sécurité chimique n’a pas été réalisée.
**Nom du produit:** BIEBRICH SCARLET SOLUTION 1%

**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 européen sur le transport 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
  - ELINCS: European List of Notified Chemical Substances
  - CAS: Chemical Abstracts Service (division of the American Chemical Society)
  - VOC: Volatile Organic Compounds (USA, EU)
  - PBT: Persistent, Bioaccumulative and Toxic
  - vPvB: very Persistent and very Bioaccumulative
  - Acute Tox. 4: Toxicité aiguë – Catégorie 4
ABSCHNITT 1: Bezeichnung des Stoffs beziehungsweise des Gemischs und des Unternehmens

· 1.1 Produktidentifikator

· Handelsname: BIEBRICH SCARLET SOLUTION 1%

· Artikelnummer: 26367-04, 26033-25

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

Keine weiteren relevanten Informationen verfügbar.

· Verwendung des Stoffes / des Gemischs 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: sgkck@aol.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 München, www.toxinfo.org
  Österreich: +43 1406 43 43, Gesundheit Österreich 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

  Acute Tox. 4  H302 Gesundheitsschädlich bei Verschlucken.
  Acute Tox. 4  H312 Gesundheitsschädlich bei Hautkontakt.
  Acute Tox. 4  H332 Gesundheitsschädlich bei Einatmen.

· 2.2 Kennzeichnungsselemente

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

  Das Produkt ist gemäß CLP-Verordnung eingestuft und gekennzeichnet.

(Fortsetzung auf Seite 2)
Gefahrenpiktogramme

GHS07

Signalwort Achtung

Gefahrenhinweise
H302+H312+H332 Gesundheitsschädlich bei Verschlucken, Hautkontakt oder Einatmen.

Sicherheitshinweise
P261 Einatmen von Staub/Rauch/Gas/Nebel/Dampf/Aerosol vermeiden.
P280 Schutzhandschuhe/Schutzkleidung/Augenschutz/Gesichtsschutz tragen.
P301+P312 BEI VERSCHLUCKEN: Bei Unwohlsein GIFTINFORMATIONSZENTRUM/Arzt anrufen.
P304+P340 BEI EINATMEN: Die Person an die frische Luft bringen und für ungehinderte Atmung sorgen.
P420 Von anderen Materialien entfernt aufbewahren.

2.3 Sonstige Gefahren

Ergebnisse der PBT- und vPvB-Beurteilung

PBT: Nicht anwendbar.
vPvB: Nicht anwendbar.

ABSCHNITT 3: Zusammensetzung/Angaben zu Bestandteilen

3.2 Chemische Charakterisierung: Gemische

Beschreibung: Gemisch aus nachfolgend angeführten Stoffen mit ungefährlichen Beimengungen.

Gefährliche Inhaltsstoffe: entfällt

Zusätzliche Hinweise: Der Wortlaut der angeführten Gefahrenhinweise ist dem Abschnitt 16 zu entnehmen.

ABSCHNITT 4: Erste-Hilfe-Maßnahmen

4.1 Beschreibung der Erste-Hilfe-Maßnahmen

Nach Einatmen: Frischluftzufuhr, bei Beschwerden Arzt aufsuchen.

Nach Hautkontakt: Im allgemeinen ist das Produkt nicht hautreizend.

Nach Augenkontakt:
Augen mehrere Minuten bei geöffnetem Lidspalte 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.

ABSCHNITT 5: Maßnahmen zur Brandbekämpfung

5.1 Löschmittel

Geegnete Löschmittel: Feuerlöschmaßnahmen auf die Umgebung abstimmen.
ABSCHNITT 6: Maßnahmen bei unbeabsichtigter Freisetzung

6.1 Personenbezogene Vorsichtsmaßnahmen, Schutzausrüstungen und in Notfällen anzuwendende Verfahren
Nicht erforderlich.

6.2 Umweltschutzmaßnahmen: Mit viel Wasser verdünnen.

6.3 Methoden und Material für Rückhaltung und Reinigung:
Mit flüs sigkeitsbindendem Material (Sand, Kieselgur, Säurebinder, Universalbinder, Sägemehl) aufnehmen. Für ausreichende Lüftung sorgen.

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
Für gute Belüftung/Absaugung am Arbeitsplatz sorgen.
Aerosolbildung vermeiden.

Hinweise zum Brand- und Explosionsschutz: Keine besonderen Maßnahmen erforderlich.

7.2 Bedingungen zur sicheren Lagerung unter Berücksichtigung von Unverträglichkeiten

7.3 Spezifische Endanwendungen
Keine weiteren relevanten Informationen verfügbar.

ABSCHNITT 8: Begrenzung und Überwachung der Exposition/Persönliche Schutzausrüstungen

8.1 Zu überwachende Parameter
Bestandteile mit arbeitsplatzbezogenen, zu überwachenden Grenzwerten:
Das Produkt enthält keine relevanten Mengen von Stoffen mit arbeitsplatzbezogenen, zu überwachenden Grenzwerten.

Zusätzliche Hinweise: Als Grundlage dienten 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. Beschmutzte, getränkte Kleidung sofort ausziehen.

(Fortsetzung auf Seite 4)
Vor den Pausen und bei Arbeitsende Hände waschen.  
Berührung mit den Augen vermeiden.  
Berührung mit den Augen und der Haut vermeiden.

- **Atemschutz:**  
Bei kurzzeitiger oder geringer Belastung Atemfiltergerät; bei intensiver bzw. längerer Exposition umluftunabhängiges Atemschutzgerät verwenden.

- **Handschutz:**  
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. Da das Produkt eine Zubereitung aus mehreren Stoffen darstellt, ist die Beständigkeit von Handschuhmaterialen nicht vorausberechenbar und muß deshalb vor dem Einsatz überprüft werden.

- **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**

  - **Form:** Flüssigkeit  
  - **Farbe:** Dunkelrot  
  - **Geruch:** Charakteristisch  
  - **Geruchsschwelle:** Nicht bestimmt.

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

- **Zustandsänderung**  
  - **Schmelzpunkt/Gefrierpunkt:** Nicht bestimmt.  
  - **Siedebeginn und Siedebereich:** 100 °C

- **Flammpunkt:** Nicht anwendbar.

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

- **Zersetzungstemperatur:** Nicht bestimmt.

- **Selbstentzündungstemperatur:** Das Produkt ist nicht selbstentzündlich.

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

- **Explosionsgrenzen:**  
  - **Untere:** Nicht bestimmt.

---
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 Unverträglich 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 Gesundheitsschädlich bei Verschlucken, Hautkontakt oder Einatmen.
  - Primäre Reizwirkung: Aufgrund der verfügbaren Daten sind die Einstufungskriterien nicht erfüllt.
  - Schwere Augenschädigung/-reizung Aufgrund der verfügbaren Daten sind die Einstufungskriterien nicht erfüllt.
  - Sensibilisierung der Atemwege/Haut Aufgrund der verfügbaren Daten sind die Einstufungskriterien nicht erfüllt.
- CMR-Wirkungen (krebsverursgende, erbverändernde und fortpflanzungsgefährdende Wirkung) Aufgrund der verfügbaren Daten sind die Einstufungskriterien nicht erfüllt.
- Keimzell-Mutationen 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.
ABSCHNITT 12: Umweltbezogene Angaben

- 12.1 Toxizität
  - Aquatische Toxizität: Keine weiteren relevanten Informationen verfügbar.
- 12.2 Persistenz und Abbaubarkeit: Keine weiteren relevanten Informationen verfügbar.
- 12.3 Bioakkumulationspotenzial: Keine weiteren relevanten Informationen verfügbar.
- 12.4 Mobilität im Boden: Keine weiteren relevanten Informationen verfügbar.
- Weitere ökologische Hinweise:
  - Allgemeine Hinweise: Im allgemeinen nicht wassergefährdend
- 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
- Ungereinigte Verpackungen:
  - Empfehlung: Entsorgung gemäß den behördlichen Vorschriften.

ABSCHNITT 14: Angaben zum Transport

- 14.1 UN-Nummer
  - ADR, ADN, IMDG, IATA: entfällt
- 14.2 Ordnungsgemäße UN-Versandbezeichnung
  - ADR, ADN, IMDG, IATA: entfällt
- 14.3 Transportgefahrenklassen
  - ADR, ADN, IMDG, IATA: entfällt
- 14.4 Verpackungsgruppe
  - ADR, IMDG, IATA: entfällt
- 14.5 Umweltgefahren: Nicht anwendbar.
- 14.6 Besondere Vorsichtsmaßnahmen für den Verwender: Nicht anwendbar.
Handelsname: BIEBRICH SCARLET SOLUTION 1%


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
- Namenslich aufgeführte gefährliche Stoffe - ANHANG I Keiner der Inhaltsstoffe ist enthalten.
- VERORDNUNG (EG) Nr. 1907/2006 ANHANG XVII Beschränkungsbedingungen: 3

Nationale Vorschriften:

- Technische Anleitung Luft:

<table>
<thead>
<tr>
<th>Klasse</th>
<th>Anteil in %</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wasser</td>
<td>98,0</td>
</tr>
<tr>
<td>II</td>
<td>1,0</td>
</tr>
</tbody>
</table>

Wassergefährdungsklasse: Im allgemeinen nicht 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 Akronym:

- ADR: Accord européen sur le transport 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
- ELINCS: European List of Notified Chemical Substances
- CAS: Chemical Abstracts Service (division of the American Chemical Society)
- VOC: Volatile Organic Compounds (USA, EU)
- PBT: Persistant, Bioaccumulative and Toxic
- vPvB: very Persistent and very Bioaccumulative
- Acute Tox. 4: Akute Toxizität – Kategorie 4
<table>
<thead>
<tr>
<th>SEZIONE 1: Identificazione della sostanza o della miscela e della società/impresa</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>1.1 Identificatore del prodotto</strong></td>
</tr>
<tr>
<td><strong>Denominazione commerciale:</strong> BIEBRICH SCARLET SOLUTION 1%</td>
</tr>
<tr>
<td><strong>Articolo numero:</strong> 26367-04, 26033-25</td>
</tr>
<tr>
<td><strong>1.2 Usi identificati pertinenti della sostanza o della miscela e usi sconsigliati</strong></td>
</tr>
<tr>
<td>Non sono disponibili altre informazioni.</td>
</tr>
<tr>
<td><strong>Utilizzazione della Sostanza / del Preparato</strong></td>
</tr>
<tr>
<td>Prodotti chimici per laboratorio</td>
</tr>
<tr>
<td><strong>1.3 Informazioni sul fornitore della scheda di dati di sicurezza</strong></td>
</tr>
<tr>
<td><strong>Produttore/fornitore:</strong></td>
</tr>
<tr>
<td>Electron Microscopy Sciences</td>
</tr>
<tr>
<td>1560 Industry Road</td>
</tr>
<tr>
<td>USA-Hatfield, PA 19440</td>
</tr>
<tr>
<td>Tel: 215-412-8400  Fax: 215-412-8450</td>
</tr>
<tr>
<td>email: <a href="mailto:sgkcck@aol.com">sgkcck@aol.com</a></td>
</tr>
<tr>
<td><a href="http://www.emsdiasum.com">www.emsdiasum.com</a></td>
</tr>
<tr>
<td>Societa Italiana Chimici</td>
</tr>
<tr>
<td>Via Rio Nell Ellba 140</td>
</tr>
<tr>
<td>00138 Rome, Italy</td>
</tr>
<tr>
<td>Tel: 39 06 8800211</td>
</tr>
<tr>
<td>Fax: 39 30 06 8815313</td>
</tr>
<tr>
<td>Web: <a href="http://www.sichim.com">www.sichim.com</a></td>
</tr>
<tr>
<td><strong>Informazioni fornite da:</strong> Product safety department</td>
</tr>
<tr>
<td><strong>1.4 Numero telefonico di emergenza:</strong></td>
</tr>
<tr>
<td>ChemTrec 1-800-424-9300 Contract  CCN7661</td>
</tr>
<tr>
<td>1-703-527-3887</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>SEZIONE 2: Identificazione dei pericoli</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>2.1 Classificazione della sostanza o della miscela</strong></td>
</tr>
<tr>
<td><strong>Classificazione secondo il regolamento (CE) n. 1272/2008</strong></td>
</tr>
<tr>
<td>! GHS07</td>
</tr>
<tr>
<td>Acute Tox. 4 H302 Nocivo se ingerito.</td>
</tr>
<tr>
<td>Acute Tox. 4 H312 Nocivo per contatto con la pelle.</td>
</tr>
<tr>
<td>Acute Tox. 4 H332 Nocivo se inalato.</td>
</tr>
<tr>
<td><strong>2.2 Elementi dell’etichetta</strong></td>
</tr>
<tr>
<td><strong>Etichettatura secondo il regolamento (CE) n. 1272/2008</strong></td>
</tr>
<tr>
<td>Il prodotto è classificato ed etichettato conformemente al regolamento CLP.</td>
</tr>
<tr>
<td><strong>Pittogrammi di pericolo</strong></td>
</tr>
<tr>
<td>! GHS07</td>
</tr>
<tr>
<td><strong>Avvertenza Attenzione</strong></td>
</tr>
<tr>
<td><strong>Indicazioni di pericolo</strong></td>
</tr>
<tr>
<td>H302+H312+H332 Nocivo se ingerito, a contatto con la pelle o se inalato.</td>
</tr>
</tbody>
</table>

(continua a pagina 2)
Scheda di dati di sicurezza
ai sensi del regolamento 1907/2006/CE, Articolo 31

Denominazione commerciale: BIEBRICH SCARLET SOLUTION 1%

Consigli di prudenza

P261 Evitare di respirare la polvere/i fumi/i gas/la nebbia/i vapori/gli aerosol.
P280 Indossare guanti/indumenti protettivi/Protettgere gli occhi/il viso.
P301+P312 IN CASO DI INGESTIONE: contattare un CENTRO ANTIVELENI/un medico in caso di malessere.
P304+P340 IN CASO DI INALAZIONE: trasportare l’infortunato all’aria aperta e mantenerlo a riposo in posizione che favorisca la respirazione.
P420 Conservare lontano da altri materiali.
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

3.2 Caratteristiche chimiche: Miscele
Descrizione: Miscela delle seguenti sostanze con additivi non pericolosi.
Sostanze pericolose: non applicabile
Ulteriori indicazioni: Il testo dell’avvertenza dei pericoli citati può essere appreso dal capitolo 16

SEZIONE 4: Misure di primo soccorso

4.1 Descrizione delle misure di primo soccorso
Inalazione: Portare in zona ben areata, in caso di disturbi consultare il medico.
Contatto con la pelle: Generalmente il prodotto non è irritante per la pelle.
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 antincendio 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

5.4 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.

6.2 Precauzioni ambientali: Diluire abbondantemente con acqua.

(continua a pagina 3)
SEZIONE 7: Manipolazione e immagazzinamento

- 7.1 Precauzioni per la manipolazione sicura
  Accurata ventilazione/aspirazione nei luoghi di lavoro.
  Evitare la formazione di aerosol.
- Indicazioni in caso di incendio ed esplosione: Non sono richiesti provvedimenti particolari.
- 7.2 Condizioni per lo stoccaggio sicuro, comprese e 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

- Ulteriori indicazioni sulla struttura di impianti tecnici: Nessun dato ulteriore, vedere punto 7.
- 8.1 Parametri di controllo
  - Componenti i cui valori limite devono essere tenuti sotto controllo negli ambienti di lavoro:
    Il prodotto non contiene quantità rilevanti di sostanze i cui valori limite devono essere tenuti sotto controllo negli ambienti di lavoro.
  - 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.
      Togliere immediatamente gli abiti contaminati.
      Lavarsi le mani prima dell’intervallo o a lavoro terminato.
      Evitare il contatto con gli occhi.
      Evitare il contatto con gli occhi e la pelle.
    - Maschera protettiva:
      Nelle esposizioni brevi e minime utilizzare la maschera; nelle esposizioni più intense e durature indossare l'autorespiratore.
    - Guanti protettivi:
      Il materiale dei guanti deve essere impermeabile e stabile contro il prodotto/ la sostanza/ la formulazione.
      A causa della mancanza di test 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 bensi anche da altre caratteristiche di qualità variabili da un produttore a un altro. Poiché il prodotto rappresenta una formulazione di più sostanze, la stabilità dei materiali dei guanti non è calcolabile in anticipo e deve essere testata prima dell'impiego.

Tempo di permeazione del materiale dei guanti
Richiedere dal fornitore dei guanti il tempo di passaggio preciso il quale deve essere rispettato.

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: Liquido
  Colore: Rosso scuro
- Odore: Caratteristico
- Soglia olfattiva: Non definito.
- valori di pH: Non definito.

- Cambiamento di stato
  Punto di fusione/punto di congelamento: Non definito.
  Punto di ebollizione iniziale e intervallo di ebollizione: 100 °C

- Punto di infiammabilità: Non applicabile.
- Infiammabilità (solidi, gas): Non applicabile.
- Temperatura di decomposizione: Non definito.
- Temperatura di autoaccensione: Prodotto non autoinfiammabile.
- Proprietà esplosive: Prodotto non esplosivo.

- Limiti di infiammabilità:
  Inferiore: Non definito.
  Superiore: Non definito.

- Tensione di vapore a 20 °C: 23 hPa
- Densità: Non definito.
- Densità relativa: Non definito.
- Densità di vapore: Non definito.
- Velocità di evaporazione: Non definito.

- Solubilità in/Miscibilità con acqua: Completamente miscibile.
- Coefficiente di ripartizione: n-ottanolo/acqua: Non definito.

(continua a pagina 5)
Denominazione commerciale: BIEBRICH SCARLET SOLUTION 1%

(Segue da pagina 4)

- Viscosità:
  Dinamica: Non definito.
  Cinematica: Non definito.

- Tenore del solvente:
  Solventi organici: 1,0 %
  Acqua: 98,0 %
  VOC (CE) 0,99 %

- Contenuto solido: 0,0 %

- 9.2 Altre informazioni
  Non sono disponibili altre informazioni.

SEZIONE 10: Stabilità e reattività

- 10.1 Reattività
  Non sono disponibili altre informazioni.

- 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
  Nocivo se ingerito, a contatto con la pelle o se inalato.

- Irritabilità primaria:
  Corrosione/irritazione cutanea
  Basandosi sui dati disponibili i criteri di classificazione non sono soddisfatti.

- Lesioni oculari gravi/irritazioni oculari gravi
  Basandosi sui dati disponibili i criteri di classificazione non sono soddisfatti.

- Sensibilizzazione respiratoria o cutanea
  Basandosi sui dati disponibili i criteri di classificazione non sono soddisfatti.

- 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.

(continua a pagina 6)
**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: Generalmente non pericoloso
- **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.
- **Imballaggi non puliti:**
  - Consigli: Smaltimento in conformità con le disposizioni amministrative.
  - Detergente consigliato: Acqua eventualmente con l'aggiunta di detersivi.

**SEZIONE 14: Informazioni sul trasporto**

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

(continua a pagina 7)
Scheda di dati di sicurezza
ai sensi del regolamento 1907/2006/CE, Articolo 31

Stampato il: 27.06.2018 Revisione: 27.06.2018

Denominazione commerciale: BIEBRICH SCARLET SOLUTION 1%

(SEgue da pagina 6)

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 Nessuno dei componenti è contenuto.
  - REGOLAMENTO (CE) n. 1907/2006 ALLEGATO XVII Restrizioni: 3

- Disposizioni nazionali:
  - Istruzione tecnica aria:

<table>
<thead>
<tr>
<th>Classe</th>
<th>quota in %</th>
</tr>
</thead>
<tbody>
<tr>
<td>NC</td>
<td>1,0</td>
</tr>
</tbody>
</table>

- 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.

- Abbreviazioni e acronimi:
  - ADR: Accord européen sur le transport 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
  - ELINCS: European List of Notified Chemical Substances
  - CAS: Chemical Abstracts Service (division of the American Chemical Society)
  - VOC: Volatile Organic Compounds (USA, EU)
  - PBT: Persistent, Bioaccumulative and Toxic
  - vPvB: very Persistent and very Bioaccumulative
  - Acute Tox. 4: Tossicità acuta – Categoria 4
물질안전보건자료
GHS에 따라

1 화학제품과 회사에 관한 정보

- 제품 식별자
- 제품명: BIEBRICH SCARLET SOLUTION 1%
- 상품번호: 26367-04, 26033-25
- 혼합물의 관련 하위용도 및 사용금지용도 추가적인 정보가 존재하지 않습니다.
- 안전데이터표(Safety Data Sheet) 내 공급업체 관련 상세 정보
  Electron Microscopy Sciences
  1560 Industry Road
  USA-Hatfield, PA 19440
  Tel: 215-412-8400 Fax: 215-412-8450
  email: sgkck@aol.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
- 추가적인 정보 획득 가능: Product safety department
- 비상연락전화번호:
  ChemTrec 1-800-424-9300 Contract CCN7661
  1-703-527-3887

2 유해성: 위험성

- 순물질 또는 혼합물의 분류
  심한 눈 손상성/눈 자극성 - 구분 2 H319 눈에 심한 자극을 일으킴
  - 라벨표기 요소
  - GHS 라벨 요소
    본 제품은 화학물질의 분류 및 표기에 관한 국제조화시스템(GHS)에 따라 분류 및 표기되었습니다.
  - 그림문자
    GHS07

- 신호어 경고
- 유해 위험 문구
  눈에 심한 자극을 일으킴
- 예방조치 문구
  (분진·홈·가스·미스트·증기·스프레이)의 흡입을 피하시오.
  (보호장갑·보호의·보안경·안면보호구)를(을) 착용하시오.
  눈에 묻으면 몇 분간 물로 조심해서 씻으시오. 가능하면콘택트렌즈를 제거하시오. 계속 씻으시오.
  눈에 자극이 지속되면 의학적인 조치·조언을 구하시오.

(2쪽에계속)
제품명: BIEBRICH SCARLET SOLUTION 1%

(1) 목부터계속)

기압점
제품명 제품명 제품명 제품명

46.2.1

[68x717]기압점

제품명 제품명 제품명 제품명

6

5

4

3

· 기타 유해성
· PBT(전투성, 생물농축성, 독성 물질) 및 vPvB(고 전투성, 고 생물농축성 물질) 평가 결과
· PBT(전투성, 생물농축성, 독성 물질): 해당사항 없음.
· vPvB(고 전투성, 고 생물농축성 물질): 해당사항 없음.

3 구성성분의 명칭 및 함유량

· 화학적 특성: 혼합물
· 설명: 무해한 청가 물 이 함유된 아래에 열 둔 물질로 만들어진 혼합물.
· 위험 요소: 누락되다

4 응급조치 요령

· 응급조치요령 내용
· 흡입했을 때: 신선한 공 기를 써고, 통증이 있을 때는 의료진의 도움을 구한다.
· 피부에 접촉했을 때: 일반적으로 제품은 피부에 자극적 이지 않다.
· 눈에 들어갔을 때: 화학물질이 눈을 방해하고, 통증이 있으면 의사와 상담한다.
· 먹었을 때: 증상이 지속될 경우에는 의사와 상담한다.
· 기타 의사의 주의사항:
· 가장 중요한 급-편성 증상 및 영향 추가적인 정보가 존재하지 않습니다.
· 즉각적인 의료처치 및 특별치료가 필요함을 시사하는 경우 추가적인 정보가 존재하지 않습니다.

5 폭발·화재시 대처방법

· 소화제
· 적절한 소화제: 주 변한 경에 맞는 화 재 진 화방법을 사용한다.
· 본 화학물질이나 혼합물에서 발생하는 특별 유해성 추가적인 정보가 존재하지 않습니다.
· 소방관에 대한 허가사항
· 화재 진압 시 착용할 보호구 및 예방조치: 특별한 조치가 필요없음.

6 누출 사고 시 대처방법

· 개인적 예방조치, 보호장비 및 응급처치 절차 필요없음.
· 환경 관련 예방조치: 맨 은 물로 홍식 시킨다.
· 빠르며 정확한 방법과 조치: 액체가 혼합되어 물질(모래, 규조토, 산 성길합물, 일반 길합물, 톡합)에 흡입되도록 한다.
· 충분한 환기를 되도록 한다.
· 타 섹션 참조
· 안 전 관리에 대한 정보는 제7 장을 참고하시오.
· 개인 보호 장비에 대한 정보는 제8 장을 참고하시오.
· 쓰레 기저리에 대한 정보는 제13 장을 참고하시오.
물질안전보건자료

GHS에 따라

제품명: BIEBRICH SCARLET SOLUTION 1%

(2쪽부터계속)

7 취급 및 저장방법

취급:
- 안전 취급을 위한 예방조치
작업장에서는 통풍이 잘되고 습기 제거가 잘되게 주의한다.
- 화재 및 폭발 사고 예방대책에 관한 정보: 특별한 조치가 필요없음.
- 혼합 위험성 및 안전 저장 조건
보관:
- 안전한 저장 방법: 특별한 요구사항이 없음.
- 화재 및 폭발 사고 예방대책에 관한 정보: 필요없음.

제품명: BIEBRICH SCARLET SOLUTION 1%

(2쪽부터계속)

8노출방지 및 개인보호구

취급 및 저장방법의 적용에 대한 추가정보: 더 이상의 자료는 없음. 항목 7을 참고하시오.

취급:
- 화학물질의 노출기준, 생물학적 노출기준 등:

노출방지
- 노출 통제
- 개인보호구

일반적보호조치 및 위생조치:
- 식료품, 음료수와 사료로부터 멸리 베어 놓는다.
- 더러워 지거나 올바른 수가 물은 토에 적합한 사료를 쓰는다.
- 휴식시키거나 작업이 끝날때마다 손을 씻는다.
- 눈과 피부와의 접촉은 피한다.
- 화학기 보호:

손 보호:
- 장갑재질은 제품/원료/조제물투과시사지약이어야하고, 내구성이 약해야한다.
- 테스트를 하지 않은 제품에 대하여 제품/조제/화학 혼합물에 적합한 장갑재질에 대한 추천이 없으며, 투과 시간, 침투 물과 저하를 고려해서 장갑 재료를 선택한다.
- 장갑의재료:

장갑재질의 선정은 제조자에 의하여도 치료하려고 하여야만 하는 제품에 대해 제조업종에 따라 서도 다르게 선정되어야한다. 제품은 다양한 재료로부터의 재료로 이루어지는 것이기 때문에, 장갑재질의 안정성은 사전에 축적되어져야 할 수 있는 것이 아니고, 반드시 사전에 (그안전성이) 계적되어야 한다.
- 장갑 재료의 투과시간 정확한 관통시간은 보호장갑재료에 의하여 인지되고, 준수되어야 한다.

(4쪽에계속)
제품명: BIEBRICH SCARLET SOLUTION 1%

9 물리화학적 특성

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</tr>
<tr>
<td>증발 속도</td>
<td>알맞지 않다</td>
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<tr>
<td>용매내용물</td>
<td>유기용매: 1.0 %, 물: 98.0 %, VOC (EU): 0.99 %</td>
</tr>
</tbody>
</table>
제품명: BIEBRICH SCARLET SOLUTION 1%

고체의 함량: 0.0 %
기타 정보: 추가적인 정보가 존재하지 않습니다.

10 안정성 및 반응성

반응성: 추가적인 정보가 존재하지 않습니다.
화학적 안정성: 유해 반응의 가능성 / 피해주할 조건: 규정에 따라 사용할 경우 해체는 않다.
유해반응 가능성: 위험한 반응으로는 알려지지 않았다.
피해주할 조건: 추가적인 정보가 존재하지 않습니다.
혼합 급지 물질: 추가적인 정보가 존재하지 않습니다.
유해분해물질: 위험성있는분해물들은 알려지지 않았다.

11 독성에 관한 정보

독성학적 영향에 대한 정보: 추가적인 정보가 존재하지 않습니다.
급성 독성: 일차적 자극 효과:
피부 부식성 또는 자극성: 무자극
감각화: 민감한 영향이 없는 것으로 알려져 있다.
추가적인 독성에 관한 정보: 이 제품은 유럽 공동체의 공동분류의 합법적인 전략에 근거하여 최근에 발효된 원고에서 약간의 위험성을 하고 있다.

12 환경에 미치는 영향

독성: 추가적인 정보가 존재하지 않습니다.
수생독성: 추가적인 정보가 존재하지 않습니다.
지속성 및 분해성: 추가적인 정보가 존재하지 않습니다.
환경 시스템에의 영향: 생물농축 잠재성: 추가적인 정보가 존재하지 않습니다.
토양내 이동성: 추가적인 정보가 존재하지 않습니다.
추가적인 생태학 정보: 일반특성: 일반적으로 수질오염이 되지 않는다.
PBT(전투성, 생물농축성, 독성 물질) 및 vPvB(고 전투성, 고 생물농축성 물질) 평가 결과: 해당사항 없음
vPvB(고 전투성, 고 생물농축성 물질): 해당사항 없음.
기타 부작용: 추가적인 정보가 존재하지 않습니다.

13 폐기시 주의사항

폐기물 처리 방법:
권고: 생활쓰레기와 함께 처리되어서는 안된다. 하수도망으로 유입되어서는 안된다.
제품명: BIEBRICH SCARLET SOLUTION 1%

비위생적 포장:
- 권고: 양쪽의지침에입각한쓰레기처리.
- 주 천 세정제: 경우에따라서세제가첨가된물

14 운송에 필요한 정보

- 유엔 번호
  - ADR, ADN, IMDG, IATA 
  - UN 적정 선적명: ADR, ADN, IMDG, IATA 
  - 교통 위험 클래스: ADR, ADN, IMDG, IATA 
  - 등급: 
  - 용기등급
  - ADR, IMDG, IATA
  - 환경적 유해물질: 
  - 이용자 특별 예방조치: 
  - MARPOL73/78(선박으로부터의해양오염방지협약) 부속서2 및 IBC Code(국제선적화물코드)에 따른 벌크(bulk) 운송: 
  - UN "모범 규제": 

15 법적 규제현황

- 산업안전보건법에 의한 규제:
  - 제조 등 금지물질: 
  - 허가대상물질: 
  - 관리대상유해물질: 
  - 해당 순위상물 또는 존재물에 대한 안전, 보건 및 환경 규제/법률

Korean Existing Chemical Inventory
- 64-19-7 Acetic Acid Glacial KE-00013
- 7732-18-5 Deionized Water, Reagent Grade A.C.S. KE-35400

화학물질관리법 
- 사고대비물질: 
- 금지물질: 

(7쪽에계속)
제품명: BIEBRICH SCARLET SOLUTION 1%

· 제한 물질
  어떠한 영향도 보이지 않았다

· 유독 물질
  어떠한 영향도 보이지 않았다

· 악가 물질
  어떠한 영향도 보이지 않았다

· GHS 라벨 요소
  본 제품은 화학물질의 분류 및 표기에 관한 국제조화시스템(GHS)에 따라 분류 및 표기되었습니다.

  · 그림 문자
    GHS07

  · 신호어 경고
  · 유해 위험 문구
  눈에 심한 자극을 일으킬 수 있습니다.

  · 예방 조치 문구
    (분진, 흰 가스, 미스트, 증기, 스프레이)의 흡입을 피하시오.
    (보호장갑, 보호의, 보안경, 안면보호구)를(을) 착용하시오.
    눈에 묻으면 몇 분간 물로 주 문구
    눈에 자극이 지속되면 의학적인 조치를 구하시오.
    다른물질과 격리하여 보관하시오.
    현지/지역/국가/국제 규정에 따라서 내용물/용기 노출

  · 화학물질 안전성 평가: 화학물질 안전성 평가가 수행되지 않음

16 그 밖의 참고사항

이보고는 우리지식에 대한 오늘날의 상태에 대하여 평가하고 있다. 하지만 이보고서는 생산특성에 관한 보충은 기술하지 않았으며 계약적인 법률관계에 기반을 두고있지 않다.

· 최초 작성일자: 2018.06.27
· 개정 횟수 및 최종 개정일자: 1 / 2018.06.27
· 약어와 두문자어:
  ADR: Accord européen sur le transport 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
  ELINCS: European List of Notified Chemical Substances
  CAS: Chemical Abstracts Service (division of the American Chemical Society)
  VOC: Volatile Organic Compounds (USA, EU)
  PBT: Persistent, Bioaccumulative and Toxic
  vPvB: very Persistent and very Bioaccumulative
Avsnitt 1: Identifikasjon av stoffet/stoffblanding og av selskapet/foretaket

- 1.1 Produktidentifikator
  - Handelsnavn: BIEBRICH SCARLET SOLUTION 1%
  - Artikkelnummer: 26367-04, 26033-25
  - 1.2 Relevante identifiserte bruksområder for stoffet eller stoffblanding og bruk som frarådes
    Ikke noe mer relevant informasjon tilgjengelig.
  - Bruk av stoff/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: sgkck@aol.com
      www.emsdiasum.com
    - Avdeling for nærmere informasjoner: 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 stoffblanding
  - Klassifisering i henhold til EC-forskrift nr.1272/2008
    GHS07
    Acute Tox. 4  H302  Farlig ved svelging.
    Acute Tox. 4  H312  Farlig ved hudkontakt.
    Acute Tox. 4  H332  Farlig ved innånding.
- 2.2 Merkingselementer
  - Merking iht. bestemmelse (EC) Nr. 1272/2008
    Produktet er klassifisert og merket i henhold til CLP-forordningen.
  - Farepiktogrammer
    GHS07
- Varselord  Advarsel
- Faresetninger
  H302+H312+H332 Farlig ved svelging, hudkontakt eller innånding.
- Sikkerhetsetninger
  P261  Unngå innånding av støv/røyk/gass/håke/damp/aerosoler.
  P280  Benytt vernehansker/vernekler/vernebriller/ansiktsskjerm.
  P301+P312 VED SVELGING: Kontakt et GIFTINFORMASJONSSENTER/en lege ved ubehag.

(fortsatt på side 2)
**Avsnitt 3: Sammensetning/opplysninger om bestanddeler**

- **3.2 Kjemisk karakterisering: Stoffblandinger**
  - **Beskrivelse:** Blanding av nedenstående oppførte stoffer med uførlige tilsetninger.
  - **Farlige innholdsstoffer:** bortfaller
  - **Ytterligere informasjoner:** Teksten til de fareangivelserne som er inkludert her, kan konsulteres i kapittel 16.

**Avsnitt 4: Førstehjelpstiltak**

- **4.1 Beskrivelse av førstehjelpstiltak**
  - **Etter innånding:** Frisklufttilførsel, ved besvær oppsøkes lege.
  - **Etter hudkontakt:** Vanligvis irriterer produktet ikke huden.
  - **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.

**Avsnitt 5: Brannslokkingstiltak**

- **5.1 Slokkingsmidler**
  - **Egnede slukningsmidler:** Brannslukningstiltak tilpasses omgivelsene.

- **5.2 Særlige farer knyttet til stoffet eller stoffblanding**
  - **5.2 Særlige farer knyttet til stoffet eller stoffblanding**
    - Ikke noe mer relevant informasjon tilgjengelig.

**Avsnitt 6: Tiltak ved utilsiktede utslipp**

- **6.1 Personlige forsikthetsregler, personlig verneutstyr og nødrutiner**
  - Ikke nødvendig.

- **6.2 Forsikthetsregler med hensyn til miljø**
  - Fortynn med rikelig med vann.

- **6.3 Metoder og materialer for oppsamling og rensing**
  - Ta opp stoffet med væskebindinge materiale (sand, kiselgur, syrebindemiddel, universalbindemiddel, sagflis).
  - Sørg for tilstrekkelig ventilasjon.

- **6.4 Henvisning til andre avsnitt**
  - Informasjoner om sikker håndtering, se kapittel 7.
  - Informasjoner om personlig beskyttelsesutstyr, se kapittel 8.
Avsnitt 7: Håndtering og lagring

- 7.1 Forsiktighetsregler for sikker håndtering
  Sørg for god ventilasjon/avsugning på arbeidsplassen.
  Unngå aerosoldannelse.
- Henvisninger om brann- og eksplosjonsvern: Ingen særlige tiltak nødvendig.
- 7.2 Vilkår for sikker lagring, herunder eventuelle uføremmang
- Lagring:
  - Krav til lagerrom og beholdere: Ingen spesielle krav.
  - Informasjoner om felles lagring: Ikke nødvendig.
- Ytterligere informasjoner om lagervilkårene: Hold beholderne tett til lukket.
- 7.3 Særlig(e) sluttanvendelse(r) Ikke noe mer relevant informasjon tilgjengelig.

Avsnitt 8: Eksponeringskontroll / personlig verneutstyr

- Ytterligere informasjoner om utforming av tekniske anlegg: Ingen ytterligere informasjoner, se punkt 7.
- 8.1 Kontrollparametrer
- Komponenter med grenseverdier for arbeidsplass som må overholdes:
  Produktet inneholder ingen relevante mengder av stoffer med arbeidsplassrelevante grenseverdier som må overvåkes.
- Ytterligere informasjoner: Basis: listene som var gyldige ved oppstillingen.
- 8.2 Eksponeringskontroll
- Personlig verneutstyr:
  - Generelle verne- og hygienetiltak:
    Holdes adskilt fra næringsmidler, drikkevarer og førstoffer.
    Fjern omgående forurensete, gjennomvænte klær.
    Vask hendene før arbeidspausen og ved arbeidets slutt.
    Unngå berøring med øynene.
    Unngå berøring med øyne og hud.
  - Åndedrettsvern:
    Ved korttidig eller liten belastning åndedrettsslukterapparat; ved intensív eller lengre utsetting: bruk omluft-
    utspringen åndedrettsbeskyttelsesapparat.
  - Håndvern:
    Hanskematerialet må være uavhengig og bestandig overfor produktet /stoffet /blandingene.
    På grunn av manglende tester kan det ikke gis noen anbefaling om hanskematerialer for produktet /tillberdningsprosessen /kjemikalieleidingen.
    Hanskematerialet velges under hensyntagen til holbarhetstid, gjennomtrengelighet og degradering.
  - hanskemateriale
    Valget av egnet hanske er ikke bare avhengig av materiale, men også av andre kvalitetskjennetegn og er
    forskjellig fra produsent til produsent. Da produkten representerer en sammensetning av flere stoffer, kan
    holbarheten av hanskematerialet ikke forhåndsberegnes, og denne må testes før bruk.
  - gjennomtrengningstid for hanskemateriale
    Den nøvaktige holbarhetstiden må bringes på det rene hos hanskeprodusenten og overhaldes.
### Avsnitt 9: Fysiske og kjemiske egenskaper

#### 9.1 Opplysninger om grunnleggende fysiske og kjemiske egenskaper

- **Utseende:**
  - Form: Væske
  - Farge: Mørkerød
- **Lukt:**
  - Karakteristisk
- **Luktterskel:**
  - Ikke bestemt.
- **pH-verdi:**
  - Ikke bestemt.
- **Smeltepunkt/frysepunkt:**
  - Ikke bestemt.
- **Startkokepunkt og kokeområde:**
  - 100 °C
- **Flammepunkt:**
  - Ikke brukbar.
- **Antennelighet (fast stoff, gass):**
  - Ikke brukbar.
- **Nedbrytingstemperatur:**
  - Ikke bestemt.
- **Selvantennelsestemperatur:**
  - Produktet er ikke selvantennelig.
- **Eksplosive egenskaper:**
  - Produktet er ikke eksplosjonsfarlig.
- **Eksplosjonsgrenser:**
  - Nedre: Ikke bestemt.
  - Øvre: Ikke bestemt.
- **Damptrykk ved 20 °C:**
  - 23 hPa
- **Tetthet:**
  - Ikke bestemt.
- **Relativ tetthet:**
  - Ikke bestemt.
- **Dampetetthet:**
  - Ikke bestemt.
- **Fordampningshastighet:**
  - Ikke bestemt.
- **Løsning i / blandbarhet med vann:**
  - Fullstendig blandbar.
- **Fordelingskoeffisient; n-oktanol/vann:**
  - Ikke bestemt.
- **Viskositet:**
  - Dynamisk: Ikke bestemt.
  - Kinematisk: Ikke bestemt.
- **Løsningsmiddelandel:**
  - Organiske løsningsmidler: 1,0 %
  - Vann: 98,0 %
  - VOC (EF): 0,99 %

(fortsatt på side 5)
Avsnitt 10: Stabilitet og reaktivitet

- 10.1 Reaktivitet Ikke noe mer relevant informasjon tilgjengelig.
- 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 spalmingsprodukter kjente.

Avsnitt 11: Toksikologiske opplysninger

- 11.1 Opplysninger om toksikologiske virkninger
  - Akutt giftighet
    Farlig ved svelging, hudkontakt eller innånding.
  - Primær irritasjonsvirkning:
    - Hudetsing/hudirritasjon Basert på tilgjengelige data, klassifiseringskriteriene ikke oppfylt.
    - Alvorlig øyeskade/øyeirritasjon Basert på tilgjengelige data, klassifiseringskriteriene ikke oppfylt.
  - Sensibilisering ved innånding eller hudkontakt
    Basert på tilgjengelige data, klassifiseringskriteriene ikke oppfylt.
  - Informasjon om følgende grupper med potensielle virkninger:
    - CMR-virkninger (kreftfremkallende virkninger, arvestoffskadelige og reproduksjonsskadelige virkninger)
    - Arvestoffskadelig virkning på kjønnsceller
      Basert på tilgjengelige data, klassifiseringskriteriene ikke oppfylt.
    - Kreftfremkallende egenskap Basert på tilgjengelige data, klassifiseringskriteriene ikke oppfylt.
    - Reproduksjonstoksisitet Basert på tilgjengelige data, klassifiseringskriteriene ikke oppfylt.
    - STOT – enkelteksponering Basert på tilgjengelige data, klassifiseringskriteriene ikke oppfylt.
    - STOT – gjentagteksponering 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: Generelt ikke farlig for vann
  - 12.5 Resultater av PBT- og vPvB-vurdering
    - PBT: Ikke brukbar.
    - vPvB: Ikke brukbar.

(fortsatt på side 6)
Side: 6/7

**Handelsnavn:** BIEBRICH SCARLET SOLUTION 1%

- **12.6 Andre skadevirkninger** Ikke noe mer relevant informasjon tilgjengelig.

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**Avsnitt 13: Sluttabehandling**

- **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.
    - **Anbefalt rengjøringsmiddel:** Vann, eventuelt med tilsetning av rengjøringsmidler.

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**Avsnitt 14: Transportopplysninger**

- **14.1 FN-nummer**
  - **ADR, ADN, IMDG, IATA** bortfaller

- **14.2 FN-forsendelsesnavn**
  - **ADR, ADN, IMDG, IATA** bortfaller

- **14.3 Transportfareklasse(r)**
  - **ADR, ADN, IMDG, IATA** 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

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**Avsnitt 15: Opplysninger om regelverk**

- **15.2 Vurdering av kjemikaliesikkerhet**
  - En kjemisk sikkerhetsvurdering er ikke utført.

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**Avsnitt 16: Andre opplysninger**

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

**Forkortelser og akronymer:**
- **ADR:** Accord européen sur le transport 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
- **ELINCS:** European List of Notified Chemical Substances
- **CAS:** Chemical Abstracts Service (division of the American Chemical Society)
- **VOC:** Volatile Organic Compounds (USA, EU)
Handelsnavn: BIEBRICH SCARLET SOLUTION 1%

PBT: Persistent, Bioaccumulative and Toxic
vPvB: very Persistent and very Bioaccumulative
Acute Tox. 4: Akutt giftighet – Kategori 4
SECCIÓN 1: Identificación de la sustancia o la mezcla y de la sociedad o la empresa

- 1.1 Identificador del producto
- Nombre comercial: BIEBRICH SCARLET SOLUTION 1%
- Número del artículo: 26367-04, 26033-25
- 1.2 Usos pertinentes identificados de la sustancia o de la mezcla y usos desaconsejados
   No existen más datos relevantes disponibles.
- 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: sgkcck@aol.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) no 1272/2008

  ![GHS07]
  Acute Tox. 4 H302 Nocivo en caso de ingestión.
  Acute Tox. 4 H312 Nocivo en contacto con la piel.
  Acute Tox. 4 H332 Nocivo en caso de inhalación.

- 2.2 Elementos de la etiqueta
- Etiquetado con arreglo al Reglamento (CE) no 1272/2008
  El producto se ha clasificado y etiquetado de conformidad con el reglamento CLP.
- Pictogramas de peligro

  ![GHS07]

- Palabra de advertencia: Atención
- Indicaciones de peligro
  H302+H312+H332 Nocivo en caso de ingestión, contacto con la piel o inhalación.

( se continúa en página 2 )
Ficha de datos de seguridad  
según 1907/2006/CE, Artículo 31

Nombre comercial: BIEBRICH SCARLET SOLUTION 1%

( se continua en página 1 )

Consejos de prudencia
- P261 Evitar respirar el polvo/el humo/el gas/la niebla/los vapores/el aerosol.
- P280 Llevar guantes/prendas/gafas/máscara de protección.
- P301+P312 EN CASO DE INGESTIÓN: Llamar a un CENTRO DE TOXICOLOGÍA/médico si la persona se encuentra mal.
- P304+P340 EN CASO DE INHALACIÓN: Transportar a la persona al aire libre y mantenerla en una posición que le facilite la respiración.
- P420 Almacenar alejado de otros materiales.
- 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

- 3.2 Caracterización química: Mezclas
  - Descripción: Mezcla formada por las substancias especificadas a continuación con adiciones no peligrosas.
  - Componentes peligrosos: suprimido
  - Indicaciones adicionales: El texto de los posibles riesgos aquí indicados se puede consultar en el capítulo 16.

SECCIÓN 4: Primeros auxilios

- 4.1 Descripción de los primeros auxilios
  - En caso de inhalación del producto: Suministrar aire fresco. En caso de trastornos, consultar al médico.
  - En caso de contacto con la piel: Por regla general, el producto no irrita la piel.
  - En caso de con los ojos: Limpiar 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.
- 5.3 Recomendaciones para el personal de lucha contra incendios
  - Equipo especial de protección: No se requieren medidas especiales.

( se continua en página 3 )
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: Diluir con mucha agua.
- 6.3 Métodos y material de contención y de limpieza:
  Quitar con material absorbente (arena, kieselgur, aglutinante de ácidos, aglutinante universal, aserrín).
  Asegurar suficiente ventilación.
- 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
  Asegurar suficiente ventilación/aspiración en el puesto de trabajo.
  Evitar la formación de aerosoles.
- Prevención de incendios y explosiones: No se requieren medidas especiales.
- 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

- Instrucciones adicionales para el acondicionamiento de instalaciones técnicas:
  Sin datos adicionales, ver punto 7.
- 8.1 Parámetros de control
  - Componentes con valores límite admisibles que deben controlarse en el puesto de trabajo:
    El producto no contiene cantidades relevantes de sustancias con valores límite que exigiesen un control en el puesto de trabajo.
  - 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.
      Quitarse de inmediato la ropa ensuciada o impregnada.
      Lavarse las manos antes de las pausas y al final del trabajo.
      Evitar el contacto con los ojos.
      Evitar el contacto con los ojos y la piel.
  - Protección respiratoria:
    - Si la exposición va a ser breve o de poca intensidad, colocarse una mascarilla respiratoria. Para una exposición más intensa o de mayor duración, usar un aparato de respiración autónomo.
  - Protección de manos:
    - El material del guante deberá ser impermeable y resistente al producto / substancia / preparado.

( se continua en página 4 )
Ante la ausencia de tests específicos, no se puede recomendar ningún material específico para guantes de protección contra el producto / preparado / mezcla de substancias 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. Teniendo en cuenta que el producto está fabricado a partir de diferentes materiales, su calidad no puede ser avaluada de antemano, de modo que los guantes deberán ser controlados antes de su utilización.

- **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

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**SECCIÓN 9: Propiedades físicas y químicas**

- **9.1 Información sobre propiedades físicas y químicas básicas**
  - **Datos generales**
    - **Aspecto:**
      - Forma: Líquido
      - Color: Rojo oscuro
    - **Olor:** Característico
    - **Umbral olfativo:** No determinado.
    - **valor pH:** No determinado.
  - **Cambio de estado**
    - Punto de fusión/punto de congelación: Indeterminado.
    - Punto inicial de ebullición e intervalo de ebullición: 100 °C
  - **Punto de inflamación:** No aplicable.
  - **Inflamabilidad (sólido, gas):** No aplicable.
  - **Temperatura de descomposición:** No determinado.
  - **Temperatura de auto-inflamación:** El producto no es autoinflamable.
  - **Propiedades explosivas:** El producto no es explosivo.
  - **Límites de explosión:**
    - Inferior: No determinado.
    - Superior: No determinado.
  - **Presión de vapor a 20 °C:** 23 hPa
  - **Densidad:** Indeterminado.
  - **Densidad relativa:** No determinado.
  - **Densidad de vapor:** No determinado.
Ficha de datos de seguridad
según 1907/2006/CE, Artículo 31

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| · Tasa de evaporación: | No determinado. |
| · Solubilidad en / miscibilidad con agua: | Completamente mezclable. |
| · Coeficiente de reparto: n-octanol/agua: | No determinado. |
| · Viscosidad: |
| Dinámica: | No determinado. |
| Cinemática: | No determinado. |
| · Concentración del disolvente: |
| Disolventes orgánicos: | 1,0 % |
| Agua: | 98,0 % |
| VOC (CE) | 0,99 % |
| · 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
· Toxidad aguda
  Nocivo en caso de ingestión, contacto con la piel o inhalación.
· 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
  A la vista de los datos disponibles, no se cumplen los criterios de clasificación.
· Sensibilización respiratoria o cutánea
  A la vista de los datos disponibles, no se cumplen los criterios de clasificación.
· 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.

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- 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: Por regla general, no es peligroso para el agua.
- 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.
- Producto de limpieza recomendado: Agua, eventualmente añadiendo productos de limpieza.

SECCIÓN 14: Información relativa al transporte

- 14.1 Número ONU
  - ADR, ADN, IMDG, IATA: suprimido
- 14.2 Designación oficial de transporte de las Naciones Unidas
  - ADR, ADN, IMDG, IATA: suprimido
- 14.3 Clase(s) de peligro para el transporte
  - ADR, ADN, IMDG, IATA: 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
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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 ninguno de los componentes está incluido en una lista
- REGLAMENTO (CE) nº 1907/2006 ANEXO XVII Restricciones: 3
- 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 européen sur le transport 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
ELINCS: European List of Notified Chemical Substances
CAS: Chemical Abstracts Service (division of the American Chemical Society)
VOC: Volatile Organic Compounds (USA, EU)
PBT: Persistent, Bioaccumulative and Toxic
vPvB: very Persistent and very Bioaccumulative
Acute Tox. 4: Toxicidad aguda – Categoría 4