1 Identification

- Product identifier
  - Trade name: Loctite 460 Adhesive
  - Article number: 12646-08
  - 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: sgkcek@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
  Flam. Liq. 4 H227 Combustible liquid.

- Label elements
  - GHS label elements The product is classified and labeled according to the Globally Harmonized System (GHS).
  - Hazard pictograms Void
  - Signal word Warning
  - Hazard statements
    Combustible liquid.

- Precautionary statements
  Keep away from flames and hot surfaces. – No smoking.
  Wear protective gloves/protective clothing/eye protection/face protection.
  In case of fire: Use for extinction: CO2, powder or water spray.
  Store in a well-ventilated place. Keep cool.
  Dispose of contents/container in accordance with local/regional/national/international regulations.

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

- HMIS-ratings (scale 0 - 4)
  - HEALTH 0
  - FIRE 2
  - REACTIVITY 0

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

(Contd. on page 2)
Trade name: Loctite 460 Adhesive

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.
  - 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: CO2, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- 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: No special measures required.
- Methods and material for containment and cleaning up:
  Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
- 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: None of the ingredients is listed.
  - PAC-2: None of the ingredients is listed.
  - PAC-3: None of the ingredients is listed.
7 Handling and storage

- Handling:
  - Precautions for safe handling: No special precautions are necessary if used correctly.
  - 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: None.
  - 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: Wash hands before breaks and at the end of work.
    - Breathing equipment: Not required.
  - 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: Goggles recommended during refilling.

9 Physical and chemical properties

- Information on basic physical and chemical properties
  - General Information
    - Appearance:
      Form: Liquid
      Color: Colorless
      Odor: Characteristic
      Odor threshold: Not determined.
    - pH-value: Not determined.
## 10 Stability and reactivity

- **Reactivity**: No further relevant information available.
- **Chemical stability**: Not determined.
- **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.
### Safety Data Sheet

**Trade name: Loctite 460 Adhesive**

- **on the eye:** No irritating effect.
- **Sensitization:** No sensitizing effects known.
- **Additional toxicological information:**
  - **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:** Not known to be hazardous to 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.

### 14 Transport information

- **UN-Number**
  - DOT, ADR, IMDG, IATA: UN3334
- **UN proper shipping name**
  - DOT, IMDG, IATA: Aviation regulated liquid, n.o.s.
  - ADR: 3334 Aviation regulated liquid, n.o.s.
### Safety Data Sheet

**Trade name:** Loctite 460 Adhesive

<table>
<thead>
<tr>
<th><strong>Transport hazard class(es)</strong></th>
<th>DOT, ADR, IMDG, IATA</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Class</strong></td>
<td>9 Miscellaneous dangerous substances and articles</td>
</tr>
<tr>
<td><strong>Label</strong></td>
<td>9</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Packing group</strong></th>
<th>DOT, ADR, IMDG, IATA</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>DOT, ADR, IMDG, IATA</strong></td>
<td>III</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Environmental hazards:</strong></th>
<th>Not applicable.</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Special precautions for user</strong></td>
<td>Warning: Miscellaneous dangerous substances and articles</td>
</tr>
</tbody>
</table>

| **Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code** | Not applicable. |

<table>
<thead>
<tr>
<th><strong>Transport/Additional information:</strong></th>
<th>ADR</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Excepted quantities (EQ)</strong></td>
<td>NOT SUBJECT TO ADR</td>
</tr>
</tbody>
</table>

**UN "Model Regulation":**

**UN 3334 AVIATION REGULATED LIQUID, N.O.S., 9, III**

### 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.
Trade name: Loctite 460 Adhesive

- **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).
  - Hazard pictograms Void
  - Signal word Warning
  - Hazard statements
    Combustible liquid.

- **Precautionary statements**
  Keep away from flames and hot surfaces. – No smoking.
  Wear protective gloves/protective clothing/eye protection/face protection.
  In case of fire: Use for extinction: CO2, powder or water spray.
  Store in a well-ventilated place. Keep cool.
  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** 03/19/2018 / -

- **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
  - Flam. Liq. 4: Flammable liquids – Category 4
1 Identification

- **Product identifier**
- **Trade name:** Loctite 460 Adhesive
- **Article number:** 12646-08
- **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: sgkcck@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**
  Flam. Liq. 4 H227 Combustible liquid.
- **Label elements**
  - **GHS label elements** The product is classified and labelled according to the Globally Harmonised System (GHS).
  - **Hazard pictograms** Void
  - **Signal word** Warning
  - **Hazard statements**
    Combustible liquid.
- **Precautionary statements**
  Keep away from flames and hot surfaces. – No smoking.
  Wear protective gloves/protective clothing/eye protection/face protection.
  In case of fire: Use for extinction: CO2, powder or water spray.
  Store in a well-ventilated place. Keep cool.
  Dispose of contents/container in accordance with local/regional/national/international regulations.
- **Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** 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.
- 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: CO2, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- 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: No special measures required.
- Methods and material for containment and cleaning up:
  Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
- 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: No special precautions are necessary if used correctly.
  - 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.
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: Wash hands before breaks and at the end of work.
- Respiratory protection: Not required.
- 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: Goggles recommended during refilling

9 Physical and Chemical Properties

- Information on basic physical and chemical properties
- General Information
- Appearance:
  - Form: Liquid
  - Colour: Colourless
- Odour:
  - Odour threshold: Not determined.
- pH-value: Not determined.
- Change in condition
  - Melting point/freezing point: Undetermined.
  - Initial boiling point and boiling range: >149 °C
- Flash point: 80 °C
- Flammability (solid, gas): Not applicable.
- Ignition temperature:
  - Decomposition temperature: 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**
- **Skin corrosion/irritation**: No irritant effect.
- **Serious eye damage/irritation**: No irritating effect.
- **Respiratory or skin sensitisation**: No sensitising effects known.

### 12 Ecological Information

- **Toxicity**
- **Aquatic toxicity**: No further relevant information available.
- **Persistence and degradability**: No further relevant information available.
Trade name: Loctite 460 Adhesive

- Behaviour in environmental systems:
  - Bioaccumulative potential: No further relevant information available.
  - Mobility in soil: No further relevant information available.
- Additional ecological information:
  - General notes: Not known to be hazardous to 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.

14 Transport information

- UN-Number
  - ADG, IMDG, IATA: UN3334
- UN proper shipping name
  - ADG: 3334 Aviation regulated liquid, n.o.s.
  - IMDG, IATA: Aviation regulated liquid, n.o.s.
- Transport hazard class(es)
  - ADG, IMDG, IATA: 9 Miscellaneous dangerous substances and articles.
- Class: 9
- Label: Miscellaneous dangerous substances and articles.
- Packing group
  - ADG, IMDG, IATA: III
- Environmental hazards:
  - Not applicable.
- Special precautions for user
  - Warning: Miscellaneous dangerous substances and articles.
- Transport in bulk according to Annex II of Marpol and the IBC Code
  - Not applicable.
- Transport/Additional information:
  - ADG
    - Limited quantities (LQ): NOT SUBJECT TO ADR
    - Excepted quantities (EQ): NOT SUBJECT TO ADR
### 15 Regulatory information

- **Australian Inventory of Chemical Substances**
  - 27816-23-5 2-methoxyethyl 2-cyanoacrylate

- **Standard for the Uniform Scheduling of Medicines and Poisons**
  - None of the ingredients is listed.

- **GHS label elements** The product is classified and labelled according to the Globally Harmonised System (GHS).
  - **Hazard pictograms** Void
  - **Signal word** Warning
  - **Hazard statements**
    - Combustible liquid.

- **Precautionary statements**
  - Keep away from flames and hot surfaces. – No smoking.
  - Wear protective gloves/protective clothing/eye protection/face protection.
  - In case of fire: Use for extinction: CO₂, powder or water spray.
  - Store in a well-ventilated place. Keep cool.
  - 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
  - Flam. Liq. 4: Flammable liquids – Category 4
1 Identification

- Product identifier
  - Trade name: Loctite 460 Adhesive
  - Article number: 12646-08
  - Application of the substance / the mixture Laboratory chemicals

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    1560 Industry Road
    USA-Hatfield, PA 19440
    Tel: 215-412-8400  Fax: 215-412-8450
    email: sgkcek@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
  Flammable Liquids - Category 4  H227  Combustible liquid.

- Label elements
- GHS label elements The product is classified and labeled according to the Globally Harmonized System (GHS).
- Hazard pictograms Void
- Signal word Warning
- Hazard statements
  Combustible liquid.

- Precautionary statements
  Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
  Wear protective gloves/protective clothing/eye protection/face protection.
  In case of fire: Use for extinction: CO2, powder or water spray.
  Store in a well-ventilated place.
  Dispose of contents/container in accordance with local/regional/national/international regulations.

- Hazard description:
- WHMIS-symbols:
  B3 - Combustible liquid

\[\text{\includegraphics[width=2cm]{fire-icon}}\]

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

(Contd. on page 2)
Trade name: Loctite 460 Adhesive

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.
  - 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: CO2, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
  - 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: No special measures required.
- Methods and material for containment and cleaning up:
  - Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
- 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: No special precautions are necessary if used correctly.
Trade name: Loctite 460 Adhesive

- Information about protection against explosions and fires: No special measures required.
- Conditions for safe storage, including any incompatibilities
  - Storage: No special requirements.
  - 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: None.
  - 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: Wash hands before breaks and at the end of work.
    - Breathing equipment: Not required.
    - 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: Goggles recommended during refilling.

9 Physical and chemical properties

- Information on basic physical and chemical properties
  - General Information
    - Appearance:
      - Form: Liquid
      - Color: Colorless
    - Odor: Characteristic
    - Odor threshold: Not determined.
    - pH-value: Not determined.
  - Change in condition
    - Melting point/Melting range: Undetermined.
    - Boiling point/Boiling range: >149 °C
  - Flash point: 80 °C
### 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**: No irritating effect.
  - **Sensitization**: No sensitizing effects known.
- **Partition coefficient (n-octanol/water)**: Not determined.
- **Viscosity**:
  - **Dynamic**: Not determined.
  - **Kinematic**: Not determined.
- **Solvent content**:
  - **Organic solvents**: 0.0 %
  - **Other information**: No further relevant information available.
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: Not known to be hazardous to 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.

14 Transport information

- UN-Number
  - DOT, TDG, IMDG, IATA: UN3334
- UN proper shipping name
  - DOT, IMDG, IATA: Aviation regulated liquid, n.o.s.
  - TDG: 3334 Aviation regulated liquid, n.o.s.
- Transport hazard class(es)
  - DOT, TDG, IMDG, IATA
  - Class: 9 Miscellaneous dangerous substances and articles
  - Label: 9
### 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)**
    27816-23-5 2-methoxyethyl 2-cyanoacrylate
  - **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** Void
  - **Signal word** Warning
  - **Hazard statements**
    Combustible liquid.
  - **Precautionary statements**
    Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
    Wear protective gloves/protective clothing/eye protection/face protection.
    In case of fire: Use for extinction: CO2, powder or water spray.
    Store in a well-ventilated place.
    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 03/19/2018 / -

· 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: Loctite 460 Adhesive
- Article number: 12646-08

1.2 Relevant identified uses of the substance or mixture and uses advised against

No further relevant information available.

1.3 Details of the supplier of the safety data sheet

- Manufacturer/Supplier: Electron Microscopy Sciences
  1560 Industry Road
  USA-Hatfield, PA 19440
  Tel: 215-412-8400  Fax: 215-412-8450
  email: 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
The product is not classified according to the CLP regulation.

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008 Void

- Hazard pictograms Void
- Signal word Void
- Hazard statements Void

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.
- After swallowing: If symptoms persist consult doctor.

4.2 Most important symptoms and effects, both acute and delayed No further relevant information available.
SECTION 5: Firefighting measures

- 5.1 Extinguishing media
  - Suitable extinguishing agents:
    CO2, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- 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: No special measures required.
- 6.3 Methods and material for containment and cleaning up:
  Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
- 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 No special precautions are necessary if used correctly.
- 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: None.
- 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: Wash hands before breaks and at the end of work.
    - Respiratory protection: Not required.
    - 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**: Goggles recommended during refilling

### SECTION 9: Physical and chemical properties

| · 9.1 Information on basic physical and chemical properties |
| · **General Information** |
| · **Appearance** |
| Form: | Liquid |
| Colour: | Colourless |
| Odour: | Characteristic |
| Odour threshold: | Not determined. |
| · **pH-value**: | Not determined. |
| · **Change in condition** |
| Melting point/freezing point: | Undetermined. |
| Initial boiling point and boiling range: | >149 °C |
| · **Flash point**: | 80 °C |
| · **Flammability (solid, gas)**: | Not applicable. |
| · **Ignition temperature**: |
| Decomposition temperature: | Not determined. |
| · **Auto-ignition temperature**: | Product is not selfigniting. |
| · **Explosive properties**: | Not determined. |
| · **Explosion limits** |
| Lower: | Not determined. |
| Upper: | Not determined. |
| · **Vapour pressure**: | Not determined. |
| · **Density**: | Not determined. |
| · **Relative density**: | Not determined. |
| · **Vapour density**: | Not determined. |
| · **Evaporation rate**: | Not determined. |
| · **Solubility in / Miscibility with water**: | Not miscible or difficult to mix. |
| · **Partition coefficient: n-octanol/water**: | Not determined. |
| · **Viscosity** |
| Dynamic: | Not determined. |
| Kinematic: | Not determined. |
 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: Based on available data, the classification criteria are not met.
- Primary irritant effect:
- Skin corrosion/irritation: Based on available data, the classification criteria are not met.
- Serious eye damage/irritation: 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: Not known to be hazardous to 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.
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.

SECTION 14: Transport information

- 14.1 UN-Number
  - ADR, IMDG, IATA
    UN3334

- 14.2 UN proper shipping name
  - ADR
    3334 Aviation regulated liquid, n.o.s.
  - IMDG, IATA
    Aviation regulated liquid, n.o.s.

- 14.3 Transport hazard class(es)
  - ADR, IMDG, IATA
    ![Class 9](image)
  - Class
    9 Miscellaneous dangerous substances and articles.
  - Label
    9

- 14.4 Packing group
  - ADR, IMDG, IATA
    III

- 14.5 Environmental hazards:
  Not applicable.

- 14.6 Special precautions for user
  Warning: Miscellaneous dangerous substances and articles.

- 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code
  Not applicable.

- Transport/Additional information:
  - ADR
  - Limited quantities (LQ)
    " NOT SUBJECT TO ADR
  - Excepted quantities (EQ)
    " NOT SUBJECT TO ADR
  - UN "Model Regulation'":
    UN 3334 AVIATION REGULATED LIQUID, N.O.S., 9, III

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.
  - 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
  - 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: Loctite 460 Adhesive
- Artikelnummer: 12646-08

1.2 Relevant geïdentificeerd gebruik van de stof of het mengsel en ontraden gebruik
Geen verdere relevante informatie verkrijgbaar.

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

- Fabrikant/leverancier: Aurion
  Binnenhaven 5
  6709 PD Wageningen
  The Netherlands
  Tel: 31 317 415094
  Fax: 31 317 415955
  email: info@aurion.nl

- Inlichtingengevende sector: Product safety department

1.4 Telefoonnummer voor noodgevallen:
- ChemTrec 1-800-424-9300 Contract CCN 7661
- 1-703-527-3887

RUBRIEK 2: Identificatie van de gevaren

2.1 Indeling van de stof of het mengsel
- Indeling overeenkomstig Verordening (EG) nr. 1272/2008
  Het product is niet geclassificeerd volgens de CLP-verordening.

2.2 Etiketteringselementen
- Etikettering overeenkomstig Verordening (EG) nr. 1272/2008 Niet van toepassing
- Gevaarlijk pictogrammen Niet van toepassing
- Signaalwoord Niet van toepassing
- Gevarenaanduidingen Niet van toepassing

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.

(Vervolg op blz. 2)
**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:** Ogen bij geopend ooglid meerdere minuten met stromend water spoelen
  - **Na inslikken:** Als de klachten niet minderen, een arts raadplegen

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

- **4.3 Vermelding van de vereiste onmiddellijke medische verzorging en speciale behandeling**
  Geen verdere relevante informatie verkrijgbaar.

**RUBRIEK 5: Brandbestrijdingsmaatregelen**

- **5.1 Blusmiddelen**
  - Geschikte blusmiddelen:
    CO2, bluspoeder of waterstraal. Grotere brand met waterstraal bestrijden of met schuim, dat tegen alcohol bestand is.
  - **5.2 Speciale gevaren die door de stof of het mengsel worden veroorzaakt**
    Geen verdere relevante informatie verkrijgbaar.

- **5.3 Advies voor brandweerlieden**
  - Speciale beschermende kleding: Geen bijzondere maatregelen nodig.

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

- **6.1 Persoonlijke voorzorgsmaatregelen, beschermende uitrusting en noodprocedures**
  Niet nodig.

- **6.2 Milieuvoorzorgsmaatregelen**
  Geen speciale maatregelen noodzakelijk.

- **6.3 Insluitings- en reinigingsmethoden en -materiaal**
  Met vloeistofbindend materiaal (zand, bergmeel, zuurbinder, universele binder, zaagmeel) opnemen.

- **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**
  Bij een deskundig gebruik zijn geen bijzondere maatregelen vereist.

- **Informatie m.b.t. brand- en ontploffingsgevaar**
  Geen bijzondere maatregelen noodzakelijk.

- **7.2 Voorwaarden voor een veilige opslag, met inbegrip van incompatibele producten**
  - Opslag:
    - Eisen ten opzichte van opslagruimte en tanks: Geen bijzondere eisen.
    - **Informatie m.b.t. gezamenlijke opslag:** Niet noodzakelijk.

- **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
Bestemmelen met grenswaarden die m.b.t. de werkrui in acht genomen moeten worden:
Het produkt bevat geen relevante hoeveelheden van stoffen, die met betrekking tot de werkplekken, 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:
Vóór de pauze en aan het einde van werktijd handen wassen.
Ademhalingsbescherming: Niet noodzakelijk.

Handbescherming:
Het handschoenmateriaal moet ondoorlatend en bestand zijn tegen het product / de stof / de bereiding.
Op grond van falende testen kan geen aanbeveling voor handschoenmateriaal voor het product / de bereiding / het chemicalienmengsel afgegeven worden.
Kies handschoenmateriaal rekening houdend met de penetratietijden, de permeatiegraden en de degradatie.

Handschoenmateriaal
De keuze van een geschikte handschoen is niet alleen afhankelijk van het materiaal, maar ook van andere kwaliteitskenmerken en verschil 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: Bij het omgieten is het gebruik van een veiligheidsbril aan te bevelen.

RUBRIEK 9: Fysische en chemische eigenschappen

9.1 Informatie over fysische en chemische basiseigenschappen

Algemene gegevens
Voorkomen:
Vorm: Vloeistof
Kleur: Klerloos
Geur: Karakteristiek
Geurdrempelwaarde: Niet bepaald
pH-waarde: Niet bepaald

Toestandsverandering
Smelt-/vriespunt: Niet bepaald
Beginkookpunt en kooktraject: >149 °C

Vlampunt: 80 °C

Ontvlambaarheid (vast, gas): Niet bruikbaar

Ontstekingstemperatuur:

Ontledingstemperatuur: Niet bepaald

Zelfonbrandingstemperatuur: Het product ontbrandt niet uit zichzelf

Ontploffingseigenschappen: Niet bepaald

Ontploffingsgrenzen:
Onderste: Niet bepaald
Bovenste: Niet bepaald

(Vervolg op blz. 4)
### Handelsnaam: Loctite 460 Adhesive

(Vervolg van blz. 3)

| · Dampspanning: | Niet bepaald. |
| · Dichtheid: | Niet bepaald. |
| · Relatieve dichtheid | Niet bepaald. |
| · Dampdichtheid | Niet bepaald. |
| · Verdampingssnelheid | Niet bepaald. |

| · Oplosbaarheid in/mengbaarheid met Water: | Niet resp. gering mengbaar. |

| · Verdelingscoëfficiënt: n-octanol/water: | Niet bepaald. |

| · Viscositeit |  |
| Dynamisch: | Niet bepaald. |
| Kinematisch: | Niet bepaald. |

| · Oplosmiddelgehalte: |  |
| Organisch oplosmiddel: | 0,0 % |
| VOC (EG) | 0,00 % |

| · 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 | Gebaseerd op beschikbare gegevens; aan de indelingscriteria is niet voldaan. |
| · Primaire aandoening: |  |
| · Huidcorrosie/-irritatie | Gebaseerd op beschikbare gegevens; aan de indelingscriteria is niet voldaan. |
| · Ernstig oogletsel/oogirritatie | 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. |

### RUBRIEK 12: Ecologische informatie

| · 12.1 Toxiciteit |  |
| · Aquatische toxiciteit: | Geen verdere relevante informatie verkrijgbaar. |
Handelsnaam: Loctite 460 Adhesive

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

RUBRIEK 13: Instructies voor verwijdering

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

RUBRIEK 14: Informatie met betrekking tot het vervoer

- 14.1 VN-nummer
  - ADR, IMDG, IATA UN3334
- 14.2 Juiste ladingnaam overeenkomstig de modelreglementen van de VN
  - ADR 3334 Vloeistof, onderworpen aan de voorschriften voor de luchtvaart, n.e.g.
  - IMDG, IATA Aviation regulated liquid, n.o.s.
- 14.3 Transportgevarenklasse(n)
  - ADR, IMDG, IATA
  - klasse 9 Diverse gevaarlijke stoffen en voorwerpen
  - Etiket 9
- 14.4 Verpakkingsgroep:
  - ADR, IMDG, IATA III
- 14.5 Milieugevaren:
  - Niet bruikbaar.
- 14.6 Bijzondere voorzorgen voor de gebruiker
  - Waarschuwing: Diverse gevaarlijke stoffen en voorwerpen
- 14.7 Vervoer in bulk overeenkomstig bijlage II bij Marpol en de IBC-code
  - Niet bruikbaar.
- Transport/verdere gegevens:
  - ADR
  - Beperkte hoeveelheden (LQ) -

(Vervolg op blz. 6)
Handelsnaam: Loctite 460 Adhesive

(Uitgezonderde hoeveelheden (EQ))
NIET ONDERWORPEN AAN HET ADR

(VN "Model Regulation")
UN 3334 VLOEISTOF, ONDERWORPEN AAN DE
VOORSCHRIFten VOOR DE LUCHTVAART, N.E.G., 9, III

RUBRIEK 15: Regelgeving

15.1 Specifieke veiligheids-, gezondheids- en milieureglementen en -wetgeving voor de stof of het mengsel

SZW-lijst van kankerverwekkende stoffen
geen der bestanddelen staat op de lijst.

SZW-lijst van mutagene stoffen
geen der bestanddelen staat op de lijst.

NIET-limitatieve lijst van voor de voortplanting giftige stoffen - Vruchtbaarheid
geen der bestanddelen staat op de lijst.

NIET-limitatieve lijst van voor de voortplanting giftige stoffen - Ontwikkeling
geen der bestanddelen staat op de lijst.

NIET-limitatieve lijst van voor de voortplanting giftige stoffen - Borstvoeding
geen der bestanddelen staat op de lijst.

Richtlijn 2012/18/EU
Gevaarlijke stoffen die met naam genoemd worden - BIJLAGE I geen der bestanddelen staat op de lijst.

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

- 1.1 Identificateur de produit
  - Nom du produit: Loctite 460 Adhesive
  - Code du produit: 12646-08
- 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: sgkck@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 Le produit n’est pas classifié selon le règlement CLP.
- 2.2 Éléments d’étiquetage
  - Étiquetage selon le règlement (CE) n° 1272/2008 néant
  - Pictogrammes de danger néant
  - Mention d’avertissement néant
  - Mentions de danger néant
- 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: Mêlanges
  - 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, sous l’eau courante, pendant plusieurs minutes, en écartant bien les paupières.
  - Après ingestion: Si les troubles persistent, consulter un médecin.
- 4.2 Principaux symptômes et effets, aigus et différés Pas d'autres informations importantes disponibles.
Nom du produit: Loctite 460 Adhesive

RUBRIQUE 5: Mesures de lutte contre l'incendie

- 5.1 Moyens d'extinction
  - Moyens d'extinction:
    CO2, poudre d'extinction ou eau pulvérisée. Combattre les foyers importants avec de l'eau pulvérisée ou de la mousse résistant à l'alcool.

- 5.2 Dangers particuliers résultant 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
  Aucune mesure particulière n'est requise.

- 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).

- 6.4 Référence à d'autres rubriques
  Afin d'obtenir des informations pour une manipulation sûre, consulter le chapitre 7.
  Afin d'obtenir des informations sur les équipements de protection personnels, consulter le chapitre 8.
  Afin d'obtenir des informations sur l'élimination, consulter le chapitre 13.

RUBRIQUE 7: Manipulation et stockage

- 7.1 Précautions à prendre pour une manipulation sans danger
  Aucune mesure particulière n'est nécessaire en cas de bonne utilisation.

- 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: Néant.

- 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.
Nom du produit: Loctite 460 Adhesive

8.2 Contrôles de l'exposition
- Equipement de protection individuel:
  - Mesures générales de protection et d'hygiène: Se laver les mains avant les pauses et en fin de travail.
  - Protection respiratoire: N'est pas nécessaire.
  - Protection des mains:
    Le matériau des gants doit être imperméable et résistant au produit / à la substance / à la préparation.
    A 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.
  - Protection des yeux: Lunettes de protection recommandées pour le transvasement.

RUBRIQUE 9: Propriétés physiques et chimiques

9.1 Informations sur les propriétés physiques et chimiques essentielles
- Indications générales
  - Aspect:
    Forme: Liquide
    Couleur: Incolore
  - 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: >149 °C
  - Point d'éclair: 80 °C
  - Inflammabilité (solide, gaz): Non applicable.
  - Température d'inflammation:
    Température de décomposition: Non déterminé.
  - Température d'auto-inflammabilité: Le produit ne s'enflamme pas spontanément.
  - Propriétés explosives: Non déterminé.
  - Limites d'explosion:
    Inférieure: Non déterminé.
    Supérieure: Non déterminé.
  - Pression de vapeur: Non déterminé.
  - Densité: Non déterminée.
  - Densité relative: Non déterminé.
  - Densité de vapeur: Non déterminé.
  - Taux d'évaporation: Non déterminé.
Nom du produit: Loctite 460 Adhesive

· Solubilité dans/miscibilité avec l'eau: Pas ou peu miscible
· Coefficient de partage: n-octanol/eau: Non déterminé.
· Viscosité:
  Dynamique: Non déterminé.
  Cinématique: Non déterminé.
· Teneur en solvants:
  Solvants organiques: 0,0 %
  VOC (CE) 0,00 %
· 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 Compte tenu des données disponibles, les critères de classification ne sont pas remplis.
· Effet primaire d'irritation:
  Corrosion cutanée/irritation cutanée Compte tenu des données disponibles, les critères de classification ne sont pas remplis.
· Lésions oculaires graves/irritation oculaire 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.
· Cancérogénicité Compte tenu des données disponibles, les critères de classification ne sont pas remplis.
· Toxicité pour la reproduction Compte tenu des données disponibles, les critères de classification ne sont pas remplis.
· Toxicité spécifique pour certains organes cibles - exposition unique Compte tenu des données disponibles, les critères de classification ne sont pas remplis.
· Toxicité spécifique pour certains organes cibles - exposition répétée Compte tenu des données disponibles, les critères de classification ne sont pas remplis.
· Danger par aspiration Compte tenu des données disponibles, les critères de classification ne sont pas remplis.

RUBRIQUE 12: Informations écologiques

· 12.1 Toxicité
· Toxicité aquatique: Pas d'autres informations importantes disponibles.
Nom du produit: Loctite 460 Adhesive

- 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.
- 12.5 Résultats des évaluations PBT et VPvB
  - PBT: Non applicable.
  - vPvB: Non applicable.
- 12.6 Autres effets néfastes Pas d'autres informations importantes disponibles.

**RUBRIQUE 13: Considérations relatives à l'élimination**

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

**RUBRIQUE 14: Informations relatives au transport**

- 14.1 Numéro ONU
  - ADR, IMDG, IATA: UN3334
- 14.2 Désignation officielle de transport de l'ONU
  - ADR: 3334 Matière liquide réglementée pour l’aviation, n.s.a.
  - IMDG, IATA: Aviation regulated liquid, n.o.s.
- 14.3 Classe(s) de danger pour le transport
  - ADR, IMDG, IATA

  - Classe: 9 Matières et objets dangereux divers.
  - Étiquette: 9
- 14.4 Groupe d'emballage
  - ADR, IMDG, IATA: III
- 14.5 Dangers pour l'environnement:
  - Non applicable.
- 14.6 Précautions particulières à prendre par l'utilisateur
  - Attention: Matières et objets dangereux divers.
- 14.7 Transport en vrac conformément à l'annexe II de la convention Marpol et au recueil IBC
  - Non applicable.
- Indications complémentaires de transport:
  - ADR
    - Quantités limitées (LQ): NON SOUMIS À L'ADR
    - Quantités exceptionnées (EQ): NON SOUMIS À L'ADR
### 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.
  - **15.2 Évaluation de la sécurité chimique:** Une évaluation de la sécurité chimique n’a pas été réalisée.

### RUBRIQUE 16: Autres informations

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

- **Acronymes et abréviations:**
  - ADR: Accord 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
ABSCHNITT 1: Bezeichnung des Stoffes beziehungsweise des Gemischs und des Unternehmens

· 1.1 Produktidentifikator
  · Handelsname: Loctite 460 Adhesive
  · Artikelnummer: 12646-08

· 1.2 Relevante identifizierte Verwendungen des Stoffes oder Gemischs und Verwendungen, von denen abgeraten wird
  Keine weiteren relevanten Informationen verfügbar.

· Verwendung des Stoffes / des Gemisches Laborchemikalien

· 1.3 Einzelheiten zum Lieferanten, der das Sicherheitsdatenblatt bereitstellt
  · Hersteller/Lieferant:
    Electron Microscopy Sciences
    1560 Industry Road
    USA-Hatfield, PA 19440
    Tel: 215-412-8400  Fax: 215-412-8450
    email: 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 Das Produkt ist gemäß CLP-Verordnung nicht eingestuft.

· 2.2 Kennzeichnungselemente
  · Kennzeichnung gemäß Verordnung (EG) Nr. 1272/2008 entfällt
  · Gefahrenpiktogramme entfällt
  · Signalwort entfällt
  · Gefahrenhinweise entfällt

· 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

(Fortsetzung auf Seite 2)
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 bei geöffnetem Lidspalt mehrere Minuten mit fließendem Wasser spülen.
  - 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
  Geeignete Löschmittel:

- 5.2 Besondere vom Stoff oder Gemisch ausgehende Gefahren
  Keine weiteren relevanten Informationen verfügbar.

- 5.3 Hinweise für die Brandbekämpfung
  Besondere Schutzausrüstung: Keine besonderen Maßnahmen erforderlich.

ABSCHNITT 6: Maßnahmen bei unbeabsichtigter Freisetzung

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

- 6.2 Umweltschutzmaßnahmen: Keine besonderen Maßnahmen erforderlich.

- 6.3 Methoden und Material für Rückhaltung und Reinigung:
  Mit flüssigkeitsbindendem Material (Sand, Kieselgur, Säurebinder, Universalbinder, Sägemehl) aufnehmen.

- 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
  Bei sachgemäßer Verwendung keine besonderen Maßnahmen erforderlich.

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

- 7.2 Bedingungen zur sicheren Lagerung unter Berücksichtigung von Unverträglichkeiten
  Lagerung:
  - Anforderung an Lagerräume und Behälter: Keine besonderen Anforderungen.
  - Zusammenlagerungshinweise: Nicht erforderlich.
  - Weitere Angaben zu den Lagerbedingungen: Keine.

- Lagerklasse:
  - Klassifizierung nach Betriebssicherheitsverordnung (BetrSichV): -
ABSCHNITT 8: Begrenzung und Überwachung der Exposition/Persönliche Schutzausrüstungen

· Zusätzliche Hinweise zur Gestaltung technischer Anlagen: Keine weiteren Angaben, siehe Abschnitt 7.

· 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: Vor den Pausen und bei Arbeitsende Hände waschen.
  · Atemschutz: Nicht erforderlich.
  · 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: Beim Umfüllen Schutzbrille empfehlenswert.

ABSCHNITT 9: Physikalische und chemische Eigenschaften

· 9.1 Angaben zu den grundlegenden physikalischen und chemischen Eigenschaften
· Allgemeine Angaben
· Aussehen:
  Form: Flüssigkeit
  Farbe: Farblos
· Geruch: Charakteristisch
  Geruchsschwelle: Nicht bestimmt.
· pH-Wert: Nicht bestimmt.

· Zustandsänderung
  Schmelzpunkt/Gefrierpunkt: Nicht bestimmt.
  Siedebeginn und Siedebereich: >149 °C

· Flammpunkt: 80 °C
· Entzündbarkeit (fest, gasförmig): Nicht anwendbar.
· Zündtemperatur:
  Zersetzungstemperatur: Nicht bestimmt.
Handelsname: Loctite 460 Adhesive

<table>
<thead>
<tr>
<th>Eigenschaft</th>
<th>Beschreibung</th>
</tr>
</thead>
<tbody>
<tr>
<td>Selbstzündungstemperatur:</td>
<td>Das Produkt ist nicht selbstentzündlich.</td>
</tr>
<tr>
<td>Explosive Eigenschaften:</td>
<td>Nicht bestimmt.</td>
</tr>
<tr>
<td>Explosionsgrenzen:</td>
<td></td>
</tr>
<tr>
<td>Untere:</td>
<td>Nicht bestimmt.</td>
</tr>
<tr>
<td>Obere:</td>
<td>Nicht bestimmt.</td>
</tr>
<tr>
<td>Dampfdruck:</td>
<td>Nicht bestimmt.</td>
</tr>
<tr>
<td>Dichte:</td>
<td>Nicht bestimmt.</td>
</tr>
<tr>
<td>Relative Dichte</td>
<td>Nicht bestimmt.</td>
</tr>
<tr>
<td>Dampfdichte</td>
<td>Nicht bestimmt.</td>
</tr>
<tr>
<td>Verdampfungsgeschwindigkeit</td>
<td>Nicht bestimmt.</td>
</tr>
<tr>
<td>Löslichkeit in / Mischbarkeit mit Wasser:</td>
<td>Nicht bzw. wenig mischbar.</td>
</tr>
<tr>
<td>Verteilungskoeffizient: n-Octanol/Wasser:</td>
<td>Nicht bestimmt.</td>
</tr>
<tr>
<td>Viskosität:</td>
<td></td>
</tr>
<tr>
<td>Dynamisch:</td>
<td>Nicht bestimmt.</td>
</tr>
<tr>
<td>Kinematisch:</td>
<td>Nicht bestimmt.</td>
</tr>
<tr>
<td>Lösemittelgehalt:</td>
<td></td>
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<tr>
<td>Organische Lösemittel:</td>
<td>0,0 %</td>
</tr>
<tr>
<td>VOC (EU)</td>
<td>0,00 %</td>
</tr>
<tr>
<td>9.2 Sonstige Angaben</td>
<td>Keine weiteren relevanten Informationen verfügbar.</td>
</tr>
</tbody>
</table>

ABSCHNITT 10: Stabilität und Reaktivität

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

ABSCHNITT 11: Toxikologische Angaben

- 11.1 Angaben zu toxikologischen Wirkungen
  - Akute Toxizität Aufgrund der verfügbaren Daten sind die Einstufungskriterien nicht erfüllt.
  - Primäre Reizwirkung:
    - Atz-/Reizwirkung auf die Haut 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 (krebsverursagende, erbgutverändernde und fortpflanzungsgefährdende Wirkung)
  - Keimzell-Mutagenität Aufgrund der verfügbaren Daten sind die Einstufungskriterien nicht erfüllt.
  - Karzinogenität Aufgrund der verfügbaren Daten sind die Einstufungskriterien nicht erfüllt.
  - Reproduktionstoxizität Aufgrund der verfügbaren Daten sind die Einstufungskriterien nicht erfüllt.
  - Spezifische Zielorgan-Toxizität bei einmaliger Exposition
    Aufgrund der verfügbaren Daten sind die Einstufungskriterien nicht erfüllt.
Handelsname: Loctite 460 Adhesive

<table>
<thead>
<tr>
<th>Abschnitt 12: Umweltbezogene Angaben</th>
</tr>
</thead>
<tbody>
<tr>
<td>· <strong>12.1 Toxizität</strong></td>
</tr>
<tr>
<td>· <strong>Aquatische Toxizität:</strong> Keine weiteren relevanten Informationen verfügbar.</td>
</tr>
<tr>
<td>· <strong>12.2 Persistenz und Abbaubarkeit</strong></td>
</tr>
<tr>
<td>· <strong>Bioakkumulationspotenzial</strong> Keine weiteren relevanten Informationen verfügbar.</td>
</tr>
<tr>
<td>· <strong>12.4 Mobilität im Boden</strong> Keine weiteren relevanten Informationen verfügbar.</td>
</tr>
<tr>
<td>· <strong>12.5 Ergebnisse der PBT- und vPvB-Beurteilung</strong></td>
</tr>
<tr>
<td>· <strong>PBT:</strong> Nicht anwendbar.</td>
</tr>
<tr>
<td>· <strong>vPvB:</strong> Nicht anwendbar.</td>
</tr>
<tr>
<td>· <strong>12.6 Andere schädliche Wirkungen</strong></td>
</tr>
<tr>
<td>· Keine weiteren relevanten Informationen verfügbar.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Abschnitt 13: Hinweise zur Entsorgung</th>
</tr>
</thead>
<tbody>
<tr>
<td>· <strong>13.1 Verfahren der Abfallbehandlung</strong></td>
</tr>
<tr>
<td>· <strong>Empfehlung:</strong> Darf nicht zusammen mit Hausmüll entsorgt werden. Nicht in die Kanalisation gelangen lassen.</td>
</tr>
<tr>
<td>· <strong>Ungereinigte Verpackungen:</strong></td>
</tr>
<tr>
<td>· <strong>Empfehlung:</strong> Entsorgung gemäß den behördlichen Vorschriften.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Abschnitt 14: Angaben zum Transport</th>
</tr>
</thead>
<tbody>
<tr>
<td>· <strong>14.1 UN-Nummer</strong></td>
</tr>
<tr>
<td>· <strong>ADR, IMDG, IATA</strong> UN3334</td>
</tr>
<tr>
<td>· <strong>14.2 Ordnungsgemäße UN-Versandbezeichnung</strong></td>
</tr>
<tr>
<td>· <strong>ADR</strong> 3334 Flüssiger Stoff, den für die Luftfahrt geltenden Vorschriften unterliegend, n.a.g.</td>
</tr>
<tr>
<td>· <strong>IMDG, IATA</strong> Aviation regulated liquid, n.o.s.</td>
</tr>
<tr>
<td>· <strong>14.3 Transportgefahrenklassen</strong></td>
</tr>
<tr>
<td>· <strong>ADR, IMDG, IATA</strong></td>
</tr>
<tr>
<td>· <strong>Klasse</strong> 9 Verschiedene gefährliche Stoffe und Gegenstände</td>
</tr>
<tr>
<td>· <strong>Gefahrzettel</strong> 9</td>
</tr>
<tr>
<td>· <strong>14.4 Verpackungsgruppe</strong></td>
</tr>
<tr>
<td>· <strong>ADR, IMDG, IATA</strong> III</td>
</tr>
<tr>
<td>· <strong>14.5 Umweltgefahren:</strong></td>
</tr>
<tr>
<td>· Nicht anwendbar.</td>
</tr>
</tbody>
</table>
Handelsname: Loctite 460 Adhesive

**ABSCHNITT 15: Rechtsvorschriften**

- **15.1 Vorschriften zu Sicherheit, Gesundheits- und Umweltschutz/spezifische Rechtsvorschriften für den Stoff oder das Gemisch**
- **Richtlinie 2012/18/EU**
- **Namentlich aufgeführte gefährliche Stoffe - ANHANG I** Keiner der Inhaltsstoffe ist enthalten.
- **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 Akronymen:**
  - 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
Scheda di dati di sicurezza
ai sensi del regolamento 1907/2006/CE, Articolo 31

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

- 1.1 Identificatore del prodotto
  - Denominazione commerciale: Loctite 460 Adhesive
  - Articolo numero: 12646-08
- 1.2 Usi identificati pertinenti della sostanza o della miscela e usi sconsigliati
  Non sono disponibili altre informazioni.
- 1.3 Informazioni sul fornitore della scheda di dati di sicurezza
  - Produttore/fornitore:
    Electron Microscopy Sciences
    1560 Industry Road
    USA-Hatfield, PA 19440
    Tel: 215-412-8400  Fax: 215-412-8450
    email: sgkck@aol.com
    www.emsdiasum.com
  - Societa Italiana Chimici
    Via Rio Nell Elba 140
    00138 Rome, Italy
    Tel: 39 06 8800211
    Fax: 39 30 06 8815313
    Web: www.sichim.com
- 1.4 Numero telefonico di emergenza:
  - ChemTrec 1-800-424-9300 Contract CCN7661

SEZIONE 2: Identificazione dei pericoli

- 2.1 Classificazione della sostanza o della miscela
  - Classificazione secondo il regolamento (CE) n. 1272/2008
    Il prodotto non è classificato conformemente al regolamento CLP.
- 2.2 Elementi dell'etichetta
  - Etichettatura secondo il regolamento (CE) n. 1272/2008 non applicabile
  - Pittogrammi di pericolo non applicabile
  - Avvertenza non applicabile
  - Indicazioni di pericolo non applicabile
- 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

(continua a pagina 2)
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 alcuni minuti tenendo le palpebre ben aperte.
- 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: CO2, polvere o acqua nebulizzata. Estinguere gli incendi di grosse dimensioni con acqua nebulizzata o con schiuma resistente all'alcool.
- 5.2 Pericoli speciali derivanti dalla sostanza o dalla miscela Non sono disponibili altre informazioni.
- 5.3 Raccomandazioni per gli addetti all’estinzione degli incendi
- Mezzi protettivi specifici: Non sono richiesti provvedimenti particolari.

SEZIONE 6: Misure in caso di rilascio accidentale

- 6.1 Precauzioni personali, dispositivi di protezione e procedure in caso di emergenza Non necessario.
- 6.2 Precauzioni ambientali: Non sono richiesti provvedimenti particolari.
- 6.3 Metodi e materiali per il contenimento e per la bonifica:
Raccogliere il liquido con materiale assorbente (sabbia, tripoli, legante di acidi, legante universale, segatura).
- 6.4 Riferimento ad altre sezioni
Per informazioni relative ad un manipolazione sicura, vedere capitolo 7.
Per informazioni relative all’equipaggiamento protettivo ad uso personale vedere Capitolo 8.
Per informazioni relative allo smaltimento vedere Capitolo 13.

SEZIONE 7: Manipolazione e immagazzinamento

- 7.1 Precauzioni per la manipolazione sicura Per un uso corretto non sono necessari provvedimenti particolari.
- Indicazioni in caso di incendio ed esplosione: Non sono richiesti provvedimenti particolari.
- 7.2 Condizioni per lo stoccaggio sicuro, comprese eventuali incompatibilità
- Stoccaggio:
- Requisiti dei magazzini e dei recipienti: Non sono richiesti requisiti particolari.
- Indicazioni sullo stoccaggio misto: Non necessario.
- Ulteriori indicazioni relative alle condizioni di immagazzinamento: Nessuno.
- 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.
Scheda di dati di sicurezza
ai sensi del regolamento 1907/2006/CE, Articolo 31

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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: Lavarsi le mani prima dell’intervallo o a lavoro terminato.
  - Maschera protettiva: Non necessario.
- Guanti protettivi:
  Il materiale dei guanti deve essere impermeabile e stabile contro il prodotto/la sostanza/la formulazione.
  A causa della mancanza di tests non può essere consigliato alcun tipo di materiale per i guanti con cui manipolare il prodotto/la formulazione/la miscela di sostanze chimiche.
  Scelta del materiale dei guanti in considerazione dei tempi di passaggio, dei tassi di permeazione e della degradazione.

- Materiale dei guanti
  La scelta dei guanti adatti non dipende soltanto dal materiale bensì anche da altre caratteristiche di qualità variabili da un produttore a un altro. 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: Si consiglia l’uso di occhiali protettivi durante il travaso.

SEZIONE 9: Proprietà fisiche e chimiche

9.1 Informazioni sulle proprietà fisiche e chimiche fondamentali

<table>
<thead>
<tr>
<th>Indicazioni generali</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aspetto:</td>
</tr>
<tr>
<td>Forma:</td>
</tr>
<tr>
<td>Colore:</td>
</tr>
<tr>
<td>Odore:</td>
</tr>
<tr>
<td>Soglia olfattiva:</td>
</tr>
<tr>
<td>valori di pH:</td>
</tr>
<tr>
<td>Cambiamento di stato</td>
</tr>
<tr>
<td>Punto di fusione/punto di congelamento:</td>
</tr>
<tr>
<td>Punto di ebollizione iniziale e intervallo di ebollizione:</td>
</tr>
<tr>
<td>Punto di infiammabilità:</td>
</tr>
<tr>
<td>Infiammabilità (solidi, gas):</td>
</tr>
<tr>
<td>Temperatura di accensione:</td>
</tr>
<tr>
<td>Temperatura di decomposizione:</td>
</tr>
<tr>
<td>Temperatura di autoaccensione:</td>
</tr>
<tr>
<td>Proprietà esplosive:</td>
</tr>
<tr>
<td>Limiti di infiammabilità:</td>
</tr>
<tr>
<td>Inferiore:</td>
</tr>
<tr>
<td>Superiore:</td>
</tr>
</tbody>
</table>

(continua a pagina 4)
Denominazione commerciale: Loctite 460 Adhesive

- Tensione di vapore: Non definito.
- Densità: Non definito.
- Densità relativa: Non definito.
- Densità di vapore: Non definito.
- Velocità di evaporazione: Non definito.
- Solubilità in/Miscibilità con acqua: Poco o non miscibile.
- Coefficiente di ripartizione: n-ottanolo/acqua: Non definito.
- Viscosità:
  - Dinamica: Non definito.
  - Cinematica: Non definito.
- Tenore del solvente:
  - Solventi organici: 0,0 %
  - VOC (CE): 0,00 %
- 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 Basandosi sui dati disponibili i criteri di classificazione non sono soddisfatti.
  - Irritabilità primaria:
  - Corrosione/irritazione cutanea Basandosi sui dati disponibili i criteri di classificazione non sono soddisfatti.
  - Lesioni oculari gravi/irritazioni oculari gravi 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 5)
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: Non si conoscono dati di pericolosità per le acque.
· 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.

SEZIONE 14: Informazioni sul trasporto

· 14.1 Numero ONU
  · ADR, IMDG, IATA UN3334
· 14.2 Nome di spedizione dell’ONU
  · ADR
  · IMDG, IATA 3334 Materia liquida regolamentata per l’aviazione, n.a.s.
  · Aviation regulated liquid, n.o.s.
· 14.3 Classi di pericolo connesso al trasporto
  · ADR, IMDG, IATA
  · Classe 9 Materie ed oggetti pericolosi diversi
  · Etichetta 9
· 14.4 Gruppo di imballaggio
  · ADR, IMDG, IATA III
· 14.5 Pericoli per l’ambiente:
  · Non applicabile.
· 14.6 Precauzioni speciali per gli utilizzatori
  · Attenzione: Materie ed oggetti pericolosi diversi
· 14.7 Trasporto di rinfuse secondo l’allegato II di MARPOL ed il codice IBC
  · Non applicabile.
· Trasporto/alteriori indicazioni:
  · ADR
  · Quantità limitate (LQ) -

(continua a 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.
- 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
1 화학제품과 회사에 관한 정보

- 제품 식별자
  - 제품명: Loctite 460 Adhesive
  - 상품번호: 12646-08
  - 해당 순물질이나 혼합물의 관련 하위용도 및 사용금지용도 추가적인 정보가 존재하지 않습니다.
  - 제품의 권고 용도와 사용상의 제한: 실험 실화 학품

- 안전데이터표(Safety Data Sheet)내 공급업체 관련 상세 정보
  - 제조자/수입자/유통업자 정보:
    - 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
    - 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

2 유해성·위험성

- 순물질 또는 혼합물의 분류
  본 제품은 화학물질의 분류 및 표기에 관한 국제조화시스템(GHS)에 따라 분류되지 않습니다.

- 라벨표기 요소
  - GHS 라벨 요소 누락되다
  - 그렇또나 누락되다
  - 신호어 누락되다
  - 유해위험문구 누락되다
  - 기타 유해성
    - PBT(잔류성, 생물농축성, 특성 물질) 및 vPvB(고 전투성, 고 생물농축성 물질) 평가 결과
      - PBT(잔류성, 생물농축성, 특성 물질): 해당사항 없음.
      - vPvB(고 전투성, 고 생물농축성 물질): 해당사항 없음.

3 구성성분의 명칭 및 함유량

- 화학적 특성: 혼합물
- 설명: 무해한 첨가물이 함유된 아래에 열거된 물질로 만든 혼합물.
- 위험요소: 누락되다

4 응급조치 요령

- 응급조치요령 내용
  - 흡입했을 때: 신선한 공기를 쓸고, 통증이 있을 때는 의료진의 도움을 구한다.
  - 피부에 접촉했을 때: 일반적으로 제품은 피부에 자극적이지 않다.

(2쪽에계속)
제품명: Loctite 460 Adhesive

5 폭발·화재시 대처방법

- 소화제
  - 적절한 소화제: 이산화탄소, 소, 진화용 석회가루 또는 물방울 사용하고, 다른 화재는 물을 분사하거나 알코올 이 함유된 가루로 끌다.
  - 화학 및 화학물질에서 발생하는 특별한 유해성 추가적인 정보가 존재하지 않습니다.
  - 소방관에 대한 교육사항: 화재 전압 시 화학물질 보호구 및 예방조치: 특별한 조치가 필요없음.

6 누출 사고 시 대처방법

- 개인적 예방조치, 보호장비 및 응급처치 절차 필요없음.
- 환경 관련 예방조치: 특별한 조치가 필요없음.
- 일체 및 정화 방법과 조치: 액체가 혼합된 물질(모래, 규조등, 샘성결합 물, 일반 결합 물, 톱밥)에 화재되도록 한다.
- 타 석션 착조: 안전 관리에 대한 정보는 제7장을 참고하시오.
  - 개인 보호 장비에 대한 정보는 제6장에 참고하시오.
  - 쓰레기 처리에 대한 정보는 제13장에 참고하시오.

7 취급 및 저장방법

- 취급: 안전취급을 위한 예방조치: 올바르게 사용할 경우에는 특별한 주의가 필요없다.
  - 화재 및 폭발 사고 예방대책에 관한 정보: 특별한 조치가 필요없음.
- 안전취급에 관한 정보: 환경적으로 적합한 저장 조건
- 보관: 안전한 저장 방법: 특별한 요구사항이 없음.
  - 화학물질의 보관 시설에 대한 보관 관련 정보: 필요없음
  - 보관 조건에 관한 추가적인 정보: 없음
  - 구체적 최종 사용자 추가적인 정보가 존재하지 않습니다.

8 노출방지 및 개인보호구

- 첨단시설 디자인에 대한 추가정보: 더 이상의 자료는 없음. 항목 7을 참고하시오.
  - 통제 표준: 화학물질의 노출기준, 생물학적 노출기준
  - 본 제품에는 작업장에서 감시가 필요한 중요한 가치의 어떤 해당 제로의 양을 함유하고 있지 않음.
  - 추가 정보: 제조업자에서 유의한 특수요구를 기초로 사용한다.
  - 노출 통제: 개인 보호구
  - 일반적보호조치및위생조치: 휴식 중이나 작업이 끝날때마다 손을 씻는다.
제품명: Loctite 460 Adhesive

오흡기 보호: 필 요 없음.
손 보호: 장갑 재질은 제품/조제가 투과시킬 수 없는지 확인하셔야 하며, 내구성이 있어야 합니다. 투과 시간, 침투 응과 저하를 고려해서 장갑 재료를 선택한다.

장갑의재료
적합한 장갑의 선정은 재질차이뿐만 아니라 품질기준의 차이도 고려하여이르고 제조업종에 따라서도 다르게 선정되어야 한다.

장갑재료의투과시간은장갑재료를투과시키지 않고, 내구성이 있어야 한다. 투과 시 간, 침투 응과 저하를 고려해서 장 갑 재료를 선택한다.

눈 보호: 옮겨 부딪히기 쉬운 보안경.

물리화학적 특성

<table>
<thead>
<tr>
<th>기본 물리 및 화학적 특성에 대한 정보</th>
</tr>
</thead>
<tbody>
<tr>
<td>일반정보</td>
</tr>
<tr>
<td>물리적 상태:</td>
</tr>
<tr>
<td>색:</td>
</tr>
<tr>
<td>녹는점/어는점:</td>
</tr>
<tr>
<td>초기 끓는점과 끓는점 범위:</td>
</tr>
<tr>
<td>인화점:</td>
</tr>
<tr>
<td>인화성(고체, 기체):</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>점화온도</th>
</tr>
</thead>
<tbody>
<tr>
<td>분해 은도:</td>
</tr>
<tr>
<td>자기점화:</td>
</tr>
<tr>
<td>폭발위험:</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>인화 또는 폭발 위험의 상한/하한</th>
</tr>
</thead>
<tbody>
<tr>
<td>아연도:</td>
</tr>
<tr>
<td>위로:</td>
</tr>
<tr>
<td>중기압:</td>
</tr>
<tr>
<td>밀도:</td>
</tr>
<tr>
<td>비중:</td>
</tr>
<tr>
<td>증기밀도:</td>
</tr>
<tr>
<td>증발속도:</td>
</tr>
<tr>
<td>용해도:</td>
</tr>
</tbody>
</table>

| n 옥탄올/물 분배계수: | 알맞지 않다 |

<table>
<thead>
<tr>
<th>점도</th>
</tr>
</thead>
<tbody>
<tr>
<td>역학성:</td>
</tr>
<tr>
<td>동점성:</td>
</tr>
</tbody>
</table>
제품명: Loctite 460 Adhesive

10 안정성 및 반응성

· 반응성 추가적인 정보가 존재하지 않습니다.
· 화학적 안정성
· 화학적 안정성 및 유해 반응의 가능성 / 피해야 할 조건: 규제에따라사용할경우해체는없다
· 유해반응 가능성 위험한반응으로는알려지지않았다.
· 환경과 동물에 미치는 영향: 추가적인 정보가 존재하지 않습니다.
· 손상 가능성을 가로막는 조건: 추가적인 정보가 존재하지 않습니다.
· 유해분해물질: 위험성있는분해물들은알려지지않았다.

11 독성에 관한 정보

· 독성학적 영향에 대한 정보
· 급성 독성:
· 임상적 자극 효과:
· 피부 자극성 또는 자극성: 무자극
· 실관 눈 손상 또는 자극성: 무자극.
· 감각화: 민감한영향이없는것으로알려져있다.

12 환경에 미치는 영향

· 특성
· 수생특성: 추가적인 정보가 존재하지 않습니다.
· 지속성 및 분해성 추가적인 정보가 존재하지 않습니다.
· 환경 시스템에서의 행동:
· 생물농축 잠재성 추가적인 정보가 존재하지 않습니다.
· 분산내 이동성 추가적인 정보가 존재하지 않습니다.
· 추가적인 생태학 정보:
· 일반 특성: 수질오염이알려져있지않다.
· PBT(전류성, 생물농축성, 특성 물질) 및 vPvB(고 전류성, 고 생물농축성 물질) 평가 결과
· PBT(전류성, 생물농축성, 특성 물질): 해당사항 없음.
· vPvB(고 전류성, 고 생물농축성 물질): 해당사항 없음.
· 기타 부작용 추가적인 정보가 존재하지 않습니다.

13 폐기시 주의사항

· 폐기물 처리 방법
· 권고: 생활쓰레기와함께처리되어서는안된다. 하수도로으로유입되어서는안된다.
· 비위생적 포장:
· 권고: 당국의지침에입각한쓰레기처리.
## 14 운송에 필요한 정보

<table>
<thead>
<tr>
<th>내용</th>
<th>내용</th>
</tr>
</thead>
<tbody>
<tr>
<td>유사번호</td>
<td>ADR, IMDG, IATA</td>
</tr>
<tr>
<td>UN 적정 선적명</td>
<td>UN3334</td>
</tr>
<tr>
<td>ADR</td>
<td>3334 Aviation regulated liquid, n.o.s.</td>
</tr>
<tr>
<td>IMDG, IATA</td>
<td>Aviation regulated liquid, n.o.s.</td>
</tr>
</tbody>
</table>

### 교통 위험 클래스

<table>
<thead>
<tr>
<th>내용</th>
<th>내용</th>
</tr>
</thead>
<tbody>
<tr>
<td>ADR, IMDG, IATA</td>
<td></td>
</tr>
</tbody>
</table>

### 등급

<table>
<thead>
<tr>
<th>내용</th>
<th>내용</th>
</tr>
</thead>
<tbody>
<tr>
<td>위험물 라벨</td>
<td>9 여러분위험할물질과물체</td>
</tr>
<tr>
<td>등급</td>
<td>9</td>
</tr>
</tbody>
</table>

### 운송/추가 정보:

<table>
<thead>
<tr>
<th>내용</th>
<th>내용</th>
</tr>
</thead>
<tbody>
<tr>
<td>ADR</td>
<td></td>
</tr>
<tr>
<td>환경적 유해물질</td>
<td>해당사항 없음.</td>
</tr>
<tr>
<td>환경적 해양오염방지협약(UN, MARPOL 73/78)</td>
<td>해당사항 없음.</td>
</tr>
<tr>
<td>환경적 법적 규제현황</td>
<td></td>
</tr>
<tr>
<td>산업안전보건법에 의한 규제</td>
<td></td>
</tr>
<tr>
<td>화학물질관리법</td>
<td></td>
</tr>
<tr>
<td>사고대비물질</td>
<td></td>
</tr>
</tbody>
</table>

### UN "모범 규정":

<table>
<thead>
<tr>
<th>내용</th>
<th>내용</th>
</tr>
</thead>
<tbody>
<tr>
<td>UN &quot;모범 규정&quot;</td>
<td>UN 3334 AVIATION REGULATED LIQUID, N.O.S., 9, III</td>
</tr>
</tbody>
</table>

## 15 법적 규제현황

### 산업안전보건업에 의한 규제:

<table>
<thead>
<tr>
<th>내용</th>
<th>내용</th>
</tr>
</thead>
<tbody>
<tr>
<td>제조 등 금지 delim</td>
<td></td>
</tr>
</tbody>
</table>
제품명: Loctite 460 Adhesive

<table>
<thead>
<tr>
<th>금지물질</th>
<th>어떠한 내용도 목록화되어있지 않다</th>
</tr>
</thead>
<tbody>
<tr>
<td>제한물질</td>
<td>어떠한 내용도 목록화되어있지 않다</td>
</tr>
<tr>
<td>유독물질</td>
<td>어 وهنا 내용도 목록화되어있지 않다</td>
</tr>
<tr>
<td>허가물질</td>
<td>어 وهنا 내용도 목록화되어있지 않다</td>
</tr>
<tr>
<td>GHS 라벨 요소 누락되다</td>
<td></td>
</tr>
<tr>
<td>그림문자 누락되다</td>
<td></td>
</tr>
<tr>
<td>신호어 누락되다</td>
<td></td>
</tr>
<tr>
<td>유해 위험 문구 누락되다</td>
<td></td>
</tr>
<tr>
<td>화학물질 안전성 평가: 화학물질 안전성 평가가 수행되지 않음</td>
<td></td>
</tr>
</tbody>
</table>

16. 그 밖의 참고사항

이 보고는 우리 지식에 대한 오늘날의 상태에 대하여 평가하고 있다. 하지만 이 보고서는 생산 특성에 관련 보증은 기술하지 않았으며 계약적인 법률관계에 기반을 두고 있지도 않다.

· 최초 작성일자: 2018.03.19
· 개정 첫 번 및 최종 개정일자: 1 / 2018.03.19
· 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
SECCIÓN 1: Identificación de la sustancia o la mezcla y de la sociedad o la empresa

1.1 Identificador del producto
- Nombre comercial: Loctite 460 Adhesive
- Número del artículo: 12646-08
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: sgkck@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) n° 1272/2008
  - El producto no se ha clasificado de conformidad con el reglamento CLP.
2.2 Elementos de la etiqueta
- Etiquetado con arreglo al Reglamento (CE) n° 1272/2008 suprimido
- Pictogramas de peligro suprimido
- Palabra de advertencia suprimido
- Indicaciones de peligro suprimido
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: Limpia los ojos abiertos durante varios minutos con agua corriente.
- 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:
    - CO2, polvo extintor o chorro de agua rociada. Combatir incendios mayores con chorro de agua rociada o espuma resistente al alcohol.
- 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.

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: No se requieren medidas especiales.
- 6.3 Métodos y material de contención y de limpieza:
  - Quitar con material absorbente (arena, kieselgur, aglutinante de ácidos, aglutinante universal, aserrín).
- 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
  - Si se manipulan correctamente, 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: Ningunos, -as.
- 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.
Nombre comercial: Loctite 460 Adhesive

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 substancias con valores límite que exijan 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: Lavarse las manos antes de las pausas y al final del trabajo.
- Protección respiratoria: No es necesario.
- Protección de manos:
  El material del guante deberá ser impermeable y resistente al producto / substancia / preparado.
  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 evaluada de antemano, de modo que los guantes deberán ser controlados antes de su utilización.

8.3 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: Se recomienda el uso de gafas de protección durante el trasvase del producto.

SECCIÓN 9: Propiedades físicas y químicas

9.1 Información sobre propiedades físicas y químicas básicas
- Datos generales
  - Aspecto:
    - Forma: Liquido
    - Color: Incoloro
    - 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: >149 °C

- Punto de inflamación: 80 °C
- Inflamabilidad (sólido, gas): No aplicable.
- Temperatura de ignición:
  - Temperatura de descomposición: No determinado.
  - Temperatura de auto-inflamación: El producto no es autoinflamable.
- Propiedades explosivas: No determinado.

- Límites de explosión:
  - Inferior: No determinado.
  - Superior: No determinado.
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- **Presión de vapor:** No determinado.
- **Densidad:** Indeterminado.
- **Densidad relativa:** No determinado.
- **Densidad de vapor:** No determinado.
- **Tasa de evaporación:** No determinado.
- **Solubilidad en / miscibilidad con agua:** Poco o no mezclable.
- **Coeficiente de reparto: n-octanol/agua:** No determinado.
- **Viscosidad:**
  - Dinámica: No determinado.
  - Cinemática: No determinado.
- **Concentración del disolvente:**
  - Disolventes orgánicos: 0,0 %
  - VOC (CE): 0,00 %
- **9.2 Otros datos**: No existen más datos relevantes disponibles.

**SECCIÓN 10: Estabilidad y reactividad**

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

**SECCIÓN 11: Información toxicológica**

- **11.1 Información sobre los efectos toxicológicos**
- **Toxicidad aguda**: A la vista de los datos disponibles, no se cumplen los criterios de clasificación.
- **Efecto estimulante primario**
- **Corrosión o irritación cutáneas**: A la vista de los datos disponibles, no se cumplen los criterios de clasificación.
- **Lesiones o irritación ocular graves**: 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.
- **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: No se tiene conocimiento de que represente un peligro 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.

SECCIÓN 14: Información relativa al transporte

- 14.1 Número ONU
  - ADR, IMDG, IATA: UN3334
- 14.2 Designación oficial de transporte de las Naciones Unidas
  - ADR: 3334 Líquido regulado para aviación, n.e.p.
  - IMDG, IATA: Aviation regulated liquid, n.o.s.
- 14.3 Clase(s) de peligro para el transporte
  - ADR, IMDG, IATA
  
    - Clase: 9 Materias y objetos peligrosos diversos
    - Etiqueta: 9
- 14.4 Grupo de embalaje
  - ADR, IMDG, IATA: III
- 14.5 Peligros para el medio ambiente:
  - No aplicable.
- 14.6 Precauciones particulares para los usuarios
  - Atención: Materias y objetos peligrosos diversos
- 14.7 Transporte a granel con arreglo al anexo II del Convenio MARPOL y el Código IBC
  - No aplicable.
- Transporte/datos adicionales:
  - ADR
  - Cantidades limitadas (LQ): -
Ficha de datos de seguridad
según 1907/2006/CE, Artículo 31

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· Cantidades exceptuadas (EQ) NO ESTA SOMETIDO AL ADR
· “Reglamentación Modelo” de la UNECE: UN 3334 LÍQUIDO REGULADO PARA AVIACIÓN, N.E.P., 9, III

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
· 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 contratual.

· 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