1 Identification

- Product identifier
  - Trade name: POLYETHYLENE GLYCOL 8000
  - Article number: 19770
  - 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
  - Eye Irrit. 2B  H320  Causes eye irritation.

- 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
    Causes eye irritation.

- Precautionary statements
  - Wash thoroughly after handling.
  - If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.
    Continue rinsing.
  - If eye irritation persists: Get medical advice/attention.
  - 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 = 1
    Fire = 0
    Reactivity = 0

- HMIS-ratings (scale 0 - 4)
  - HEALTH  Health = 1
  - FIRE  Fire = 0
  - REACTIVITY  Reactivity = 0

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

(Contd. on page 2)
 Trade name: POLYETHYLENE GLYCOL 8000

- vPvB: Not applicable.

3 Composition/information on ingredients

- Chemical characterization: Mixtures
- Description: Mixture of the substances listed below with nonhazardous additions.
- Dangerous components:
  - 25322-68-3 Polyethylene glycol >50-≤100%

4 First-aid measures

- Description of first aid measures
- After inhalation: Supply fresh air; consult doctor in case of complaints.
- After skin contact: Generally the product does not irritate the skin.
- After eye contact: Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- After swallowing: If symptoms persist consult doctor.
- Information for doctor:
  - Most important symptoms and effects, both acute and delayed: No further relevant information available.
  - Indication of any immediate medical attention and special treatment needed: No further relevant information available.

5 Fire-fighting measures

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

6 Accidental release measures

- Personal precautions, protective equipment and emergency procedures: Not required.
- Environmental precautions: Do not allow to enter sewers/surface or ground water.
- Methods and material for containment and cleaning up: Pick up mechanically.
- 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:
    - 25322-68-3 Polyethylene glycol 30 mg/m³
  - PAC-2:
    - 25322-68-3 Polyethylene glycol 1,300 mg/m³
  - PAC-3:
    - 25322-68-3 Polyethylene glycol 7,700 mg/m³
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: Keep receptacle tightly sealed.

· Specific end use(s) No further relevant information available.

8 Exposure controls/personal protection

· Additional information about design of technical systems: No further data; see item 7.

· Control parameters

<table>
<thead>
<tr>
<th>Components with limit values that require monitoring at the workplace:</th>
</tr>
</thead>
<tbody>
<tr>
<td>25322-68-3 Polyethylene glycol WEEL</td>
</tr>
</tbody>
</table>

· Additional information: The lists that were valid during the creation were used as basis.

· Exposure controls
  · Personal protective equipment:
  · General protective and hygienic measures:
    · Keep away from foodstuffs, beverages and feed.
    · Immediately remove all soiled and contaminated clothing.
    · Wash hands before breaks and at the end of work.
    · Avoid contact with the eyes.
    · Avoid contact with the eyes and skin.
  · Breathing equipment: 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.
**Trade name: POLYETHYLENE GLYCOL 8000**

**Eye protection:**
- Tightly sealed goggles

### 9 Physical and chemical properties

<table>
<thead>
<tr>
<th>Information on basic physical and chemical properties</th>
</tr>
</thead>
<tbody>
<tr>
<td>General Information</td>
</tr>
<tr>
<td>Appearance:</td>
</tr>
<tr>
<td>Form:        Solid</td>
</tr>
<tr>
<td>Color:       White</td>
</tr>
<tr>
<td>Odor:        Odorless</td>
</tr>
<tr>
<td>Odor threshold: Not determined.</td>
</tr>
<tr>
<td>pH-value at 20 °C (68 °F):</td>
</tr>
<tr>
<td>7</td>
</tr>
<tr>
<td>Change in condition</td>
</tr>
<tr>
<td>Melting point/Melting range:</td>
</tr>
<tr>
<td>Undetermined.</td>
</tr>
<tr>
<td>Boiling point/Boiling range:</td>
</tr>
<tr>
<td>Undetermined.</td>
</tr>
<tr>
<td>Flash point:</td>
</tr>
<tr>
<td>Not applicable.</td>
</tr>
<tr>
<td>Flammability (solid, gaseous):</td>
</tr>
<tr>
<td>Not determined.</td>
</tr>
<tr>
<td>Decomposition temperature:</td>
</tr>
<tr>
<td>Not determined.</td>
</tr>
<tr>
<td>Auto igniting:</td>
</tr>
<tr>
<td>Product is not selfigniting.</td>
</tr>
<tr>
<td>Danger of explosion:</td>
</tr>
<tr>
<td>Product does not present an explosion hazard.</td>
</tr>
<tr>
<td>Explosion limits:</td>
</tr>
<tr>
<td>Lower: Not determined.</td>
</tr>
<tr>
<td>Upper: Not determined.</td>
</tr>
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<td>Vapor pressure:</td>
</tr>
<tr>
<td>Not applicable.</td>
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<td>Density:</td>
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<tr>
<td>Relative density:</td>
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<tr>
<td>Not determined.</td>
</tr>
<tr>
<td>Vapor density:</td>
</tr>
<tr>
<td>Not applicable.</td>
</tr>
<tr>
<td>Evaporation rate:</td>
</tr>
<tr>
<td>Not applicable.</td>
</tr>
<tr>
<td>Solubility in / Miscibility with Water:</td>
</tr>
<tr>
<td>Soluble.</td>
</tr>
<tr>
<td>Partition coefficient (n-octanol/water):</td>
</tr>
<tr>
<td>Not determined.</td>
</tr>
<tr>
<td>Viscosity:</td>
</tr>
<tr>
<td>Dynamic:</td>
</tr>
<tr>
<td>Not applicable.</td>
</tr>
<tr>
<td>Kinematic:</td>
</tr>
<tr>
<td>Not applicable.</td>
</tr>
<tr>
<td>Solvent content:</td>
</tr>
<tr>
<td>VOC content:</td>
</tr>
<tr>
<td>0.00 %</td>
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<tr>
<td>Solids content:</td>
</tr>
<tr>
<td>95.0 %</td>
</tr>
<tr>
<td>Other information</td>
</tr>
<tr>
<td>No further relevant information available.</td>
</tr>
</tbody>
</table>
### 10 Stability and reactivity

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

### 11 Toxicological information

- **Information on toxicological effects**
  - **Acute toxicity:**
  - **Primary irritant effect:**
    - **on the skin:** No irritant effect.
    - **on the eye:** Irritating effect.
  - **Sensitization:** No sensitizing effects known.
  - **Additional toxicological information:**
    The product shows the following dangers according to internally approved calculation methods for preparations: Irritant

- **Carcinogenic categories**
  - **IARC (International Agency for Research on Cancer)**
    None of the ingredients is listed.
  - **NTP (National Toxicology Program)**
    None of the ingredients is listed.
  - **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:**
    Water hazard class 1 (Self-assessment): slightly hazardous for water
    Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.
  - **Results of PBT and vPvB assessment**
    - **PBT:** Not applicable.
    - **vPvB:** Not applicable.
  - **Other adverse effects** No further relevant information available.
13 Disposal considerations

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

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

14 Transport information

- UN-Number
  - Void

- DOT, ADR, ADN, IMDG, IATA
  - Void

- UN proper shipping name
  - DOT, ADR, ADN, IMDG, IATA
  - Void

- Transport hazard class(es)
  - DOT, ADR, ADN, IMDG, IATA
  - Class
  - Void

- Packing group
  - DOT, ADR, IMDG, IATA
  - Void

- Environmental hazards:
  - Not applicable.

- Special precautions for user
  - Not applicable.

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

- UN "Model Regulation":
  - Void

15 Regulatory information

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

  - 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):
    25322-68-3 Polyethylene glycol
    ACTIVE

  - Hazardous Air Pollutants
    None of the ingredients is 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.
Trade name: POLYETHYLENE GLYCOL 8000

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

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

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

· **GHS label elements** The product is classified and labeled according to the Globally Harmonized System (GHS).
  
  · **Hazard pictograms** Void
  
  · **Signal word** Warning
  
  · **Hazard statements**
    
    Causes eye irritation.
  
  · **Precautionary statements**
    
    Wash thoroughly after handling.
    
    If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
    
    If eye irritation persists: Get medical advice/attention.
    
    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** 10/11/2019

· **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)
  
  NIOSH: 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
  
  Eye Irrit. 2B: Serious eye damage/eye irritation – Category 2B
1 Identification

· Product identifier
· Trade name: POLYETHYLENE GLYCOL 8000
· Article number: 19770

· 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: sgkce@emsciences.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
  The product is not classified, according to the Globally Harmonised System (GHS).

· Label elements
  · GHS label elements Void
  · Hazard pictograms Void
  · Signal word Void
  · Hazard statements Void
  · Precautionary statements
    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.
  · vPvB: Not applicable.
3 Composition and Information on Ingredients

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

4 First Aid Measures

- Description of first aid measures
  - After inhalation: Supply fresh air; consult doctor in case of complaints.
  - After skin contact: Generally the product does not irritate the skin.
  - After eye contact: Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
  - After swallowing: If symptoms persist consult doctor.
- Information for doctor:
  - Most important symptoms and effects, both acute and delayed No further relevant information available.
  - Indication of any immediate medical attention and special treatment needed No further relevant information available.

5 Fire Fighting Measures

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

6 Accidental Release Measures

- Personal precautions, protective equipment and emergency procedures Not required.
- Environmental precautions: Do not allow to enter sewers/surface or ground water.
- Methods and material for containment and cleaning up: Pick up mechanically.
- 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.
  - Information about storage in one common storage facility: Not required.
  - Further information about storage conditions: Keep container tightly sealed.
Trade name: POLYETHYLENE GLYCOL 8000

8 Exposure controls and personal protection

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

- Control parameters

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

- Additional information: The lists valid during the making were used as basis.

- Exposure controls

- Personal protective equipment:

- General protective and hygienic measures:
  Keep away from foodstuffs, beverages and feed. Immediately remove all soiled and contaminated clothing. Wash hands before breaks and at the end of work. Avoid contact with the eyes. Avoid contact with the eyes and skin.

- Respiratory protection:
  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:

   Tightly sealed goggles

9 Physical and Chemical Properties

- Information on basic physical and chemical properties

  - General Information

  - Appearance:
    Form: Solid
    Colour: White
    Odour: Odourless
    Odour threshold: Not determined.

  - pH-value at 20 °C:
    7

  - Change in condition
    Melting point/freezing point: Undetermined.
### 49.0.2 Physical and Chemical Properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Initial boiling point and boiling range</td>
<td>Undetermined</td>
</tr>
<tr>
<td>· Flash point</td>
<td>Not applicable</td>
</tr>
<tr>
<td>· Flammability (solid, gas)</td>
<td>Not determined</td>
</tr>
<tr>
<td>· Decomposition temperature</td>
<td>Not determined</td>
</tr>
<tr>
<td>· Auto-ignition temperature</td>
<td>Product is not selfigniting</td>
</tr>
<tr>
<td>· Explosive properties</td>
<td>Product does not present an explosion hazard</td>
</tr>
<tr>
<td>· Explosion limits</td>
<td></td>
</tr>
<tr>
<td>· Vapour pressure</td>
<td>Not applicable</td>
</tr>
<tr>
<td>· Density</td>
<td>Not determined</td>
</tr>
<tr>
<td>· Relative density</td>
<td>Not determined</td>
</tr>
<tr>
<td>· Vapour density</td>
<td>Not applicable</td>
</tr>
<tr>
<td>· Evaporation rate</td>
<td>Not applicable</td>
</tr>
<tr>
<td>· Solubility in / Miscibility with water</td>
<td>Soluble</td>
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<tr>
<td>· Partition coefficient: n-octanol/water</td>
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<tr>
<td>· Viscosity</td>
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<tr>
<td>· Dynamic</td>
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</tr>
<tr>
<td>· Kinematic</td>
<td>Not applicable</td>
</tr>
<tr>
<td>· Solubility in water</td>
<td>Soluble</td>
</tr>
<tr>
<td>· Other information</td>
<td></td>
</tr>
<tr>
<td>· Solids content</td>
<td>95.0 %</td>
</tr>
<tr>
<td>· Other information</td>
<td>No further relevant information available.</td>
</tr>
</tbody>
</table>

### 10 Stability and Reactivity

- **Reactivity**: No further relevant information available.
- **Chemical stability**: Not applicable.
- **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**: Not applicable.
- **Skin corrosion/irritation**: No irritant effect.
- **Serious eye damage/irritation**: Irritating effect.
- **Respiratory or skin sensitisation**: No sensitising effects known.
- **Additional toxicological information**:
  The product shows the following dangers according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version:
12 Ecological Information

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

13 Disposal considerations

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

14 Transport information

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

- Safety, health and environmental regulations/legislation specific for the substance or mixture
- Australian Inventory of Chemical Substances
  - All ingredients are listed.
- Standard for the Uniform Scheduling of Medicines and Poisons
  - None of the ingredients is listed.
- GHS label elements
  - Void
- Hazard pictograms
  - Void
- Signal word
  - Void
- Hazard statements
  - Void
- Precautionary statements
  - 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)
  - PBT: Persistent, Bioaccumulative and Toxic
  - vPvB: very Persistent and very Bioaccumulative
1 Identification

- **Product identifier**
  - **Trade name**: POLYETHYLENE GLYCOL 8000
  - **Article number**: 19770
  - **Application of the substance / the mixture**: Laboratory chemicals

- **Details of the supplier of the safety data sheet**
  - **Manufacturer/Supplier**: Electron Microscopy Sciences
    1560 Industry Road
    USA-Hatfield, PA 19440
    Tel: 215-412-8400  Fax: 215-412-8450
    email: sgkck@aol.com
    www.emsdiasum.com

  - **Information department**: Product safety department

- **Emergency telephone number**: ChemTrec 1-800-424-9300 Contract CCN7661
  1-703-527-3887

2 Hazard identification

- **Classification of the substance or mixture**
  - **Eye Irritation - Category 2B H320**: Causes eye irritation.

- **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**: Causes eye irritation.
  - **Precautionary statements**
    - Wash thoroughly after handling.
    - **IF IN EYES**: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
    - **If eye irritation persists**: Get medical advice/attention.

- **Classification system**
  - **NFPA ratings (scale 0 - 4)**
    - Health = 1
    - Fire = 0
    - Reactivity = 0

  - **HMIS-ratings (scale 0 - 4)**
    - **HEALTH**: Health = 1
    - **FIRE**: Fire = 0
    - **REACTIVITY**: Reactivity = 0

3 Composition/Information on ingredients

- **Chemical characterization**: Mixtures

- **Description**: Mixture of the substances listed below with nonhazardous additions.
Trade name: POLYETHYLENE GLYCOL 8000

4 First aid measures

- Description of first aid measures
- **After inhalation:** Supply fresh air; consult doctor in case of complaints.
- **After skin contact:** Generally the product does not irritate the skin.
- **After eye contact:** Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- **After swallowing:** If symptoms persist consult doctor.
- **Information for doctor:**
  - Most important symptoms and effects, both acute and delayed: No further relevant information available.
  - Indication of any immediate medical attention and special treatment needed: No further relevant information available.

5 Firefighting measures

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

6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures:** Not required.
- **Environmental precautions:** Do not allow to enter sewers/surface or ground water.
- **Methods and material for containment and cleaning up:** Pick up mechanically.
- **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 protection against explosions and fires:** No special measures required.
- **Conditions for safe storage, including any incompatibilities**
- **Storage:**
  - **Requirements to be met by storerooms and receptacles:** No special requirements.
  - **Information about storage in one common storage facility:** Not required.
  - **Further information about storage conditions:** Keep receptacle tightly sealed.
  - **Specific end use(s)**: No further relevant information available.
8 Exposure controls/ Personal protection

- Additional information about design of technical systems: No further data; see item 7.
- Control parameters
- Components with limit values that require monitoring at the workplace:
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
- Additional information: The lists that were valid during the creation were used as basis.
- Exposure controls
- Personal protective equipment:
- General protective and hygienic measures:
  Keep away from foodstuffs, beverages and feed.
  Immediately remove all soiled and contaminated clothing.
  Wash hands before breaks and at the end of work.
  Avoid contact with the eyes.
  Avoid contact with the eyes and skin.
  Breathing equipment: 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:

Tightly sealed goggles

9 Physical and chemical properties

- Information on basic physical and chemical properties
- General Information
- Appearance:
  Form: Solid
  Color: White
  Odor: Odorless
  Odor threshold: Not determined.
- pH-value at 20 °C: 7
- Change in condition
  Melting point/Melting range: Undetermined.
  Boiling point/Boiling range: Undetermined.
Safety Data Sheet  
according to HPR, Schedule 1

Trade name: POLYETHYLENE GLYCOL 8000

(Contd. of page 3)

- **Flash point:** Not applicable.
- **Flammability (solid, gaseous):** Not determined.
- **Decomposition temperature:** Not determined.
- **Auto igniting:** Product is not selfigniting.
- **Danger of explosion:** Product does not present an explosion hazard.

- **Explosion limits:**
  - Lower: Not determined.
  - Upper: Not determined.
- **Vapor pressure:** Not applicable.
- **Density:** Not determined.
- **Relative density**
  - Not determined.
- **Vapor density**
  - Not applicable.
- **Evaporation rate**
  - Not applicable.
- **Solubility in / Miscibility with Water:** Soluble.
- **Partition coefficient (n-octanol/water):** Not determined.
- **Viscosity:**
  - Dynamic: Not applicable.
  - Kinematic: Not applicable.
- **Solvent content:**
  - Solids content: 95.0 %
- **Other information**
  - No further relevant information available.

10 Stability and reactivity

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

11 Toxicological information

- **Information on toxicological effects**
- **Acute toxicity:**
- **Primary irritant effect:**
  - on the skin: No irritant effect.
  - on the eye: Irritating effect.
- **Sensitization:**
  - No sensitizing effects known.
- **Additional toxicological information:**
  - The product shows the following dangers according to internally approved calculation methods for preparations:
    - Irritant

(Contd. on page 5)
Trade name: POLYETHYLENE GLYCOL 8000

12 Ecological information

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

13 Disposal considerations

- Waste treatment methods
- Recommendation:
  Must not be disposed of together with household garbage. Do not allow product to reach sewage system.
- Uncleaned packagings:
- Recommendation: Disposal must be made according to official regulations.
- Recommended cleansing agent: Water, if necessary with cleansing agents.

14 Transport information

- UN-Number
  DOT/TDG, ADR, ADN, IMDG, IATA Void
- UN proper shipping name
  DOT/TDG, ADR, ADN, IMDG, IATA Void
- Transport hazard class(es)
- DOT, ADR, ADN, IMDG, IATA Void
- Class Void
- Packing group
  DOT/TDG, ADR, IMDG, IATA Void
- Environmental hazards: Not applicable.
Trade name: POLYETHYLENE GLYCOL 8000

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):
    · 25322-68-3 Polyethylene glycol ACTIVE
  · Canadian substance listings:
    · Canadian Domestic Substances List (DSL) All ingredients are listed.
    · 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 Causes eye irritation.
    · Precautionary statements Wash thoroughly after handling.
      IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
      If eye irritation persists: Get medical advice/attention.
    · 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 the latest revision of the safety data sheet 10/11/2019 / -

· 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)
Trade name: POLYETHYLENE GLYCOL 8000

PBT: Persistent, Bioaccumulative and Toxic
vPvB: very Persistent and very Bioaccumulative

(Contd. of page 6)
SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier
- Trade name: POLYETHYLENE GLYCOL 8000
- Article number: 19770

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: sgkcek@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
- Precautionary statements
  P264 Wash thoroughly after handling.
  P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
  P337+P313 If eye irritation persists: Get medical advice/attention.
  P403+P235 Store in a well-ventilated place. Keep cool.
  P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

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

SECTION 3: Composition/information on ingredients

3.2 Chemical characterisation: Mixtures
- Description: Mixture of substances listed below with nonhazardous additions.

- Dangerous components: Void
- Additional information: For the wording of the listed hazard phrases refer to section 16.
SECTION 4: First aid measures

4.1 Description of first aid measures
- After inhalation: Supply fresh air; consult doctor in case of complaints.
- After skin contact: Generally the product does not irritate the skin.
- After eye contact: Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- After swallowing: If symptoms persist consult doctor.

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

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

SECTION 5: Firefighting measures

5.1 Extinguishing media
- Suitable extinguishing agents: Use fire extinguishing methods suitable to surrounding conditions.

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

5.3 Advice for firefighters
- Protective equipment: No special measures required.

SECTION 6: Accidental release measures

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

6.2 Environmental precautions
Do not allow to enter sewers/surface or ground water.

6.3 Methods and material for containment and cleaning up
Pick up mechanically.

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: Keep container tightly sealed.

7.3 Specific end use(s)
No further relevant information available.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters
- Ingredients with limit values that require monitoring at the workplace:
  The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

Additional information: The lists valid during the making were used as basis.
8.2 Exposure controls

- Personal protective equipment:

  - General protective and hygienic measures:
  Keep away from foodstuffs, beverages and feed.
  Immediately remove all soiled and contaminated clothing
  Wash hands before breaks and at the end of work.
  Avoid contact with the eyes.
  Avoid contact with the eyes and skin.

  - Respiratory protection: 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:

    Tightly sealed goggles

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### SECTION 9: Physical and chemical properties

- 9.1 Information on basic physical and chemical properties

  - General Information

    - Form: Solid
    - Colour: White
    - Odour: Odourless
    - Odour threshold: Not determined.

    - pH-value at 20 °C: 7

  - Change in condition
    - Melting point/freezing point: Undetermined.
    - Initial boiling point and boiling range: Undetermined.

  - Flash point: Not applicable.

  - Flammability (solid, gas): Not determined.

  - Decomposition temperature: Not determined.

  - Auto-ignition temperature: Product is not selfigniting.

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

  - Explosion limits:
    - Lower: Not determined.
Trade name: POLYETHYLENE GLYCOL 8000

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<td>Vapour pressure:</td>
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<td>Not determined.</td>
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<td>Relative density:</td>
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<td>Not determined.</td>
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<td>Vapour density:</td>
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<tr>
<td>Not applicable.</td>
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<tr>
<td>Evaporation rate:</td>
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<td>Not applicable.</td>
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<td>Solubility in / Miscibility with water:</td>
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<td>Soluble.</td>
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<tr>
<td>Partition coefficient: n-octanol/water:</td>
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<td>Not determined.</td>
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<td>Viscosity:</td>
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<td>Dynamic:</td>
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<td>Kinematic:</td>
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<td>Solvent content:</td>
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<td>Solids content:</td>
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<td>95.0 %</td>
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<td>9.2 Other information:</td>
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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.
Trade name: POLYETHYLENE GLYCOL 8000

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

SECTION 13: Disposal considerations

13.1 Waste treatment methods
Recommendation
Must not be disposed together with household garbage. Do not allow product to reach sewage system.
Uncleaned packaging:
Recommendation: Disposal must be made according to official regulations.
Recommended cleansing agents: Water, if necessary together with cleansing agents.

SECTION 14: Transport information

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

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
Directive 2012/18/EU
Named dangerous substances - ANNEX I None of the ingredients is listed.
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)
- 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: POLYETHYLENE GLYCOL 8000
- Artikelnummer: 19770

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 CCN7661
1-703-527-3887

RUBRIEK 2: Identificatie van de gevaren

2.1 Indeling van de stof of het mengsel

Indeling overeenkomstig Verordening (EG) nr. 1272/2008
Het product is niet geclassificeerd volgens de CLP-verordening.

2.2 Etiketteringselementen

- Etikettering overeenkomstig Verordening (EG) nr. 1272/2008 Niet van toepassing
- Gemakkelijk identificeerbaar niet van toepassing
- Signaalwoorden Niet van toepassing
- Gemakkelijk identificeerbaar niet van toepassing

2.3 Andere gevaren

- Veiligheidsaanbevelingen
  - P264 Na het werken met dit product grondig wassen.
  - P305+P351+P338 BIJ CONTACT MET DE OGEN: voorzichtig afspoelen met water gedurende een aantal
    minuten; contactlenzen verwijderen, indien mogelijk; blijven spoelen.
  - P337+P313 Bij aanhoudende oogirritatie: een arts raa dplegen.
  - P501 De inhoud en de verpakking verwerken volgens de plaatselijke/regionale/nationale/ internationale voorschriften.

- Resultaten van PBT- en zPzB-beoordeling
  - PBT: Niet bruikbaar.
  - zPzB: Niet bruikbaar.
Handelsnaam: POLYETHYLENE GLYCOL 8000

RUBRIEK 3: Samenstelling en informatie over de bestanddelen

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

RUBRIEK 4: Eerstehulpmaatregelen

- 4.1 Beschrijving van de eerstehulpmaatregelen
- Na het inademen: Frisse lucht toedienen; bij klachten arts ontbieden.
- Na huidcontact: Over het algemeen is het produkt niet prikkelend voor de huid
- Na oogcontact:
  De ogen gedurende verscheidene minuten onder stromend water afspoelen terwijl de oogspleet geopend blijft. Bij aanhoudende klachten een dokter raadplegen.
- Na inslikken: Als de klachten niet minderen, een arts raadplegen

- 4.2 Belangrijkste acute en uitgestelde symptomen en effecten
  Geen verdere relevante informatie verkrijgbaar.
- 4.3 Vermelding van de vereiste onmiddellijke medische verzorging en speciale behandeling
  Geen verdere relevante informatie verkrijgbaar.

RUBRIEK 5: Brandbestrijdingsmaatregelen

- 5.1 Blusmiddelen
  Geschikte blusmiddelen: Brandblusmaatregelen op omgeving afstemmen.
- 5.2 Speciale gevaren die door de stof of het mengsel worden veroorzaakt
  Geen verdere relevante informatie verkrijgbaar.
- 5.3 Advies voor brandweerlieden
  Speciale beschermende kleding: Geen bijzondere maatregelen nodig.

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

- 6.1 Persoonlijke voorzorgsmaatregelen, beschermd uitrusting en noodprocedures
  Niet nodig.
- 6.2 Milieuvoorzorgsmaatregelen
  Niet in de riolering/oppervlaktewater/groundwater laten terechtkomen.
- 6.3 Insluitings- en reinigingsmethoden en materiaal
  Mechanisch 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
  - Informatie m.b.t. gezamenlijke opslag
  Geen bijzondere eisen.
  Geen bijzondere maatregelen noodzakelijk.


**Handelsnaam:** POLYETHYLENE GLYCOL 8000

- **Verdere inlichtingen over eisen m.b.t. de opslag:** Tanks ondoorzichtig moeten worden gesloten houden.

- **7.3 Specifiek eindgebruik:** Geen verdere relevante informatie verkrijgbaar.

---

**RUBRIEK 8: Maatregelen ter beheersing van blootstelling/persoonlijke bescherming**

- **Aanvullende gegevens m.b.t. de inrichting van technische installaties:** Geen aanvullende gegevens. Zie 7.

- **8.1 Controleparameters**

- **Bestanddelen met grenswaarden die m.b.t. de werkkamer in acht genomen moeten worden:**

  Het product bevat geen relevante hoeveelheden van stoffen, die met betrekking tot de werkplaatsen, qua grenswaarden gecontroleerd moeten worden.

- **Aanvullende gegevens:** Als basis dienden lijsten die bij opstelling geldig waren.

- **8.2 Maatregelen ter beheersing van blootstelling**

  - **Persoonlijke beschermingsvoorzieningen:**

  - **Algemene beschermings- en gezondheidsmaatregelen:**

    Verwijderd houden van eet- en drinkwaren.

    Verontreinigde kleding onmiddellijk uittrekken.

    Vóór de pauze en aan het einde van werktijd handen wassen.

    Aanraking met de ogen vermijden.

    Aanraking met de ogen en de huid vermijden.

    **Ademhalingsbescherming:** 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 chemicaliemengsel 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 verschilt van fabrikant tot fabrikant. Aangezien het product uit meerdere stoffen is samengesteld, is de duurzaamheid van de handschoenmaterialen niet vooraf berekenbaar en moet derhalve vóór het gebruik worden getest.

- **Doordriningsstijd van het handschoenmateriaal**

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

- **Oogbescherming:**

  Nauw aansluitende veiligheidsbril

---

**RUBRIEK 9: Fysische en chemische eigenschappen**

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

- **Algemene gegevens**

  - **Vorm:** Vast

  - **Kleur:** Wit

  - **Geur:** Reukloos

  - **Geurdrempelwaarde:** Niet bepaald.

  - **pH-waarde bij 20 °C:** 7

(Vervolg op blz. 4)
Veiligheidsinformatieblad
volgens 1907/2006/EG, Artikel 31

Handelsnaam: POLYETHYLENE GLYCOL 8000

(Vervolg van blz. 3)

- Toestandsverandering
  - Smelt-/vriespunt: Niet bepaald.
  - Beginkookpunt en kooktraject: Niet bepaald.
- Vlampunt: Niet bruikbaar.
- Ontvlambaarheid (vast, gas): Niet bepaald.
- Ontledingstemperatuur: Niet bepaald.
- Zelfonbrandingstemperatuur: Het produkt onbrandt niet uit zichzelf.
- Ontploffingseigenschappen: Het produkt is niet ontploffingsgevaarlijk.
  - Ontploffingsgrenzen:
    - Onderste: Niet bepaald.
    - Bovenste: Niet bepaald.
- Dampspanning: Niet bruikbaar.
- Dichtheid: Niet bepaald.
  - Relatieve dichtheid: Niet bepaald.
  - Dampdichtheid: Niet bruikbaar.
  - Verdampingssnelheid: Niet bruikbaar.
- Oplosbaarheid in/mengbaarheid met
  - Water: Oplosbaar.
  - Verdelingscoëfficiënt: n-octanol/water: Niet bepaald.
- Viscositeit
  - Dynamisch: Niet bruikbaar.
  - Kinematisch: Niet bruikbaar.
- Oplosmiddelgehalte:
  - Gehalte aan vaste bestanddelen: 95,0 %
- 9.2 Overige informatie
  - Geen verdere relevante informatie verkrijgbaar.

RUBRIEK 10: Stabiliteit en reactiviteit

- 10.1 Reactiviteit
  - Geen verdere relevante informatie verkrijgbaar.
- 10.2 Chemische stabiliteit
- 10.3 Mogelijke gevaarlijke reacties
  - Geen gevaarlijke reacties bekend.
- 10.4 Te vermijden omstandigheden
  - Geen verdere relevante informatie verkrijgbaar.
- 10.5 Chemisch op elkaar inwerkende materialen
  - Geen verdere relevante informatie verkrijgbaar.
- 10.6 Gevaarlijke ontledingsproducten
  - Geen gevaarlijke ontbindingsprodukten bekend.

RUBRIEK 11: Toxicologische informatie

- 11.1 Informatie over toxicologische effecten
- 11.2 Acute toxiciteit
  - Gebaseerd op beschikbare gegevens; aan de indelingscriteria is niet voldaan.
- 11.3 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.
Handelsnaam: POLYETHYLENE GLYCOL 8000

- Sensibilisatie van de luchtwegen/de huid
  Gebaseerd op beschikbare gegevens; aan de indelingscriteria is niet voldaan.
- CMR-effecten (kankerwekkendheid, mutageniteit en giftheid voor de voortplanting)
- Mutageniteit in geslachtszellen 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.
- Persistentie en afbreekbaarheid Geen verdere relevante informatie verkrijgbaar.
- Bioaccumulatie Geen verdere relevante informatie verkrijgbaar.
- Mobiliteit in de bodem Geen verdere relevante informatie verkrijgbaar.
- Verdere ecologische informatie:
  - Algemene informatie:
    Waterbezwaarlijkheid (NL): A(4) Weinig schadelijk voor in water levende organismen kan in het aquatische milieu op lange termijn schadelijke effecten veroorzaken
    Gevaar voor water klasse 1 (D) (Zelfclassificatie): gevaar voor water klein
    Niet onverdund of in grote hoeveelheden lozen in grondwater, in oppervlaktewater of in de riolering.
- Resultaten van PBT- en zPzB-beoordeling
  - PBT: Niet bruikbaar.
  - zPzB: Niet bruikbaar.
- Andere schadelijke effecten Geen verdere relevante informatie verkrijgbaar.

RUBRIEK 13: Instructies voor verwijdering

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

RUBRIEK 14: Informatie met betrekking tot het vervoer

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

14.2 Juiste ladingnaam overeenkomstig de modelreglementen van de VN
- ADR, ADN, IMDG, IATA Niet van toepassing

14.3 Transportgevarenklasse(n)
- ADR, ADN, IMDG, IATA Niet van toepassing

14.4 Verpakkingsgroep:
- ADR, IMDG, IATA Niet van toepassing
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volgens 1907/2006/EG, Artikel 31

**Handelsnaam: POLYETHYLENE GLYCOL 8000**

<table>
<thead>
<tr>
<th>Rubriek 15: Regelgeving</th>
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</thead>
<tbody>
<tr>
<td><strong>15.1 Specifieke veiligheids-, gezondheids- en milieureglementen en -wetgeving voor de stof of het mengsel</strong></td>
</tr>
<tr>
<td>geen der bestanddelen staat op de lijst.</td>
</tr>
<tr>
<td><strong>SZW-lijst van kankerverwekkende stoffen</strong></td>
</tr>
<tr>
<td>geen der bestanddelen staat op de lijst.</td>
</tr>
<tr>
<td><strong>SZW-lijst van mutagene stoffen</strong></td>
</tr>
<tr>
<td>geen der bestanddelen staat op de lijst.</td>
</tr>
<tr>
<td><strong>NIET-limitatieve lijst van voor de voortplanting giftige stoffen - Vruchtbaarheid</strong></td>
</tr>
<tr>
<td>geen der bestanddelen staat op de lijst.</td>
</tr>
<tr>
<td><strong>NIET-limitatieve lijst van voor de voortplanting giftige stoffen - Ontwikkeling</strong></td>
</tr>
<tr>
<td>geen der bestanddelen staat op de lijst.</td>
</tr>
<tr>
<td><strong>NIET-limitatieve lijst van voor de voortplanting giftige stoffen - Borstvoeding</strong></td>
</tr>
<tr>
<td>geen der bestanddelen staat op de lijst.</td>
</tr>
<tr>
<td><strong>Lijst Zeer Zorgwekkende Stoffen (ZZS)</strong></td>
</tr>
<tr>
<td>geen der bestanddelen staat op de lijst.</td>
</tr>
<tr>
<td><strong>Lijst van Potentieel Zeer Zorgwekkende Stoffen</strong></td>
</tr>
<tr>
<td>geen der bestanddelen staat op de lijst.</td>
</tr>
<tr>
<td><strong>Nationale voorschriften:</strong></td>
</tr>
<tr>
<td><strong>Gevaarlijke stoffen die met naam genoemd worden - BIJLAGE I</strong> geen der bestanddelen staat op de lijst.</td>
</tr>
<tr>
<td><strong>Richtlijn 2012/18/EU</strong></td>
</tr>
<tr>
<td><strong>Gevaarlijke stoffen</strong></td>
</tr>
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</tr>
<tr>
<td><strong>15.2 Chemischeveiligheidsbeoordeling:</strong> Een chemische veiligheidsbeoordeling is niet uitgevoerd.</td>
</tr>
</tbody>
</table>

**RUBRIEK 16: Overige informatie**

Deze gegevens zijn gebaseerd op de huidige stand van onze kennis. Zij beschrijven echter geen garantie van produktieigenschappen 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)
PBT: Persistent, Bioaccumulative and Toxic
vPvB: very Persistent and very Bioaccumulative
Fiche de données de sécurité
selon 1907/2006/CE, Article 31

Date d'impression : 11.10.2019 Révision: 11.10.2019

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

**1.1 Identificateur de produit**

- **Nom du produit:** POLYETHYLENE GLYCOL 8000
- **Code du produit:** 19770

**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
- Conseils de prudence
  P264 Se laver soigneusement après manipulation.
  P305+P351+P338 EN CAS DE CONTACT AVEC LES YEUX: rincer avec précaution à l’eau pendant plusieurs minutes. Enlever les lentilles de contact si la victime en porte et si elles peuvent être facilement enlevées. Continuer à rincer.
  P337+P313 Si l’irritation oculaire persiste: consulter un médecin.
  P403+P235 Stocker dans un endroit bien ventilé. Tenir au frais.
  P501 Éliminer le contenu/récipient conformément à la réglementation locale/régionale/nationale/internationale.

**2.3 Autres dangers**

- Résultats des évaluations PBT et vPvB
  - PBT: Non applicable.
  - vPvB: Non applicable.

RUBRIQUE 3: Composition/informations sur les composants

**3.2 Caractérisation chimique: Mélanges**

- **Description:** Mélange des substances mentionnées à la suite avec des additifs non dangereux.

- **Composants dangereux:** néant

- **Indications complémentaires:** Pour le libellé des phrases de risque citées, se référer au chapitre 16.
RUBRIQUE 4: Premiers secours

- 4.1 Description des premiers secours
  - Après inhalation: Donner de l’air frais, consulter un médecin en cas de troubles.
  - Après contact avec la peau: En règle générale, le produit n’irrite pas la peau.
  - Après contact avec les yeux: Rincer les yeux, pendant plusieurs minutes, sous l’eau courante en écartant bien les paupières. Si les troubles persistent, consulter un médecin.
  - Après ingestion: Si les troubles persistent, consulter un médecin.

- 4.2 Principaux symptômes et effets, aigus et différés Pas d’autres informations importantes disponibles.

- 4.3 Indication des éventuels soins médicaux immédiats et traitements particuliers nécessaires Pas d’autres informations importantes disponibles.

RUBRIQUE 5: Mesures de lutte contre l’incendie

- 5.1 Moyens d’extinction
  - Moyens d’extinction: Adapter les mesures d’extinction d’incendie à l’environnement.

- 5.2 Dangers particuliers 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:
  - Ne pas rejeter dans les canalisations, dans les eaux de surface et dans les nappes d’eau souterraines.

- 6.3 Méthodes et matériel de confinement et de nettoyage: Recueillir par moyen mécanique.

- 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.

- 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.

- 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.
Nom du produit: POLYETHYLENE GLYCOL 8000

8.1 Paramètres de contrôle
- Composants présentant des valeurs-seuil à surveiller par poste de travail: Le produit ne contient pas en quantité significative des substances présentant des valeurs-seuil à surveiller par poste de travail.
- Remarques supplémentaires: Le présent document s'appuie sur les listes en vigueur au moment de son élaboration.

8.2 Contrôles de l'exposition
- Equipement de protection individuel:
- Mesures générales de protection et d'hygiène: Tenir à l'écart des produits alimentaires, des boissons et de la nourriture pour animaux.
- Retirer immédiatement les vêtements souillés ou humectés.
- Se laver les mains avant les pauses et en fin de travail.
- Éviter tout contact avec les yeux.
- Éviter tout contact avec les yeux et avec la peau.
- Protection respiratoire: N'est pas nécessaire.
- Protection des mains: Le matériau des gants doit être imperméable et résistant au produit / à la substance / à la préparation.
- Protection des yeux: Lunettes de protection hermétiques

RUBRIQUE 9: Propriétés physiques et chimiques

9.1 Informations sur les propriétés physiques et chimiques essentielles
- Indications générales
  - Aspect:
    - Forme: Solide
    - Couleur: Blanc
  - Odeur: Inodore
  - Seuil olfactif: Non déterminé.
  - Valeur du pH à 20 °C: 7
- Changement d'état
  - Point de fusion/point de congélation: Non déterminé.
  - Point initial d'ébullition et intervalle d'ébullition: Non déterminé.
- Point d'éclair: Non applicable.
- Inflammabilité (solide, gaz): Non déterminé.
### 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.
**Nom du produit:** POLYETHYLENE GLYCOL 8000

### RUBRIQUE 12: Informations écologiques

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

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

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

### RUBRIQUE 14: Informations relatives au transport

- **14.1 Numéro ONU**
  - ADR, ADN, IMDG, IATA: néant
- **14.2 Désignation officielle de transport de l'ONU**
  - ADR, ADN, IMDG, IATA: néant
- **14.3 Classe(s) de danger pour le transport**
  - ADR, ADN, IMDG, IATA: néant
- **14.4 Groupe d'emballage**
  - ADR, IMDG, IATA: néant
- **14.5 Dangers pour l'environnement:** Non applicable.
**Nom du produit: POLYETHYLENE GLYCOL 8000**

<table>
<thead>
<tr>
<th>RUBRIQUE 14: Précisions particulières à prendre par l'utilisateur</th>
<th>Non applicable.</th>
</tr>
</thead>
<tbody>
<tr>
<td>14.6 Précautions particulières à prendre par l'utilisateur</td>
<td>Non applicable.</td>
</tr>
<tr>
<td>14.7 Transport en vrac conformément à l'annexe II de la convention Marpol et au recueil IBC</td>
<td>Non applicable.</td>
</tr>
<tr>
<td>&quot;Règlement type&quot; de l'ONU:</td>
<td>néant</td>
</tr>
</tbody>
</table>

**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)
- PBT: Persistent, Bioaccumulative and Toxic
- vPvB: very Persistent and very Bioaccumulative
ABSCHNITT 1: Bezeichnung des Stoffs beziehungsweise des Gemischs und des Unternehmens

· 1.1 Produktidentifikator
· Handelsname: POLYETHYLENE GLYCOL 8000
· Artikelnummer: 19770

1.2 Relevante identifizierte Verwendungen des Stoffs 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: sgkcc@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.toxinfor.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
  · Sicherheitshinweise

P264 Nach Gebrauch gründlich waschen.
  Eventuell vorhandene Kontaktlinsen nach Möglichkeit entfernen. Weiter spülen.
P337+P313 Bei anhaltender Augenreizung: Ärztlichen Rat einholen/ärztliche Hilfe hinzuziehen.
P403+P235 An einem gut belüfteten Ort aufbewahren. Kühl halten.

· 2.3 Sonstige Gefahren
  · Ergebnisse der PBT- und vPvB-Beurteilung
  · PBT: Nicht anwendbar.

(Fortsetzung auf Seite 2)
Handelsname: POLYETHYLENE GLYCOL 8000

- vPvB: Nicht anwendbar.

ABSCHNITT 3: Zusammensetzung/Angaben zu Bestandteilen

- 3.2 Chemische Charakterisierung: Gemische
  - Beschreibung: Gemisch aus nachfolgend angeführten Stoffen mit ungefährlichen Beimengungen.

<table>
<thead>
<tr>
<th>Gefährliche Inhaltsstoffe:</th>
</tr>
</thead>
<tbody>
<tr>
<td>CAS: 25322-68-3 Polyethylen glycol</td>
</tr>
<tr>
<td>NLP: 500-038-2 Stoff, für den ein gemeinschaftlicher Grenzwert für die Exposition am Arbeitsplatz gilt</td>
</tr>
</tbody>
</table>

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

ABSCHNITT 4: Erste-Hilfe-Maßnahmen

- 4.1 Beschreibung der Erste-Hilfe-Maßnahmen
  - Nach Einatmen: Frischluftzufuhr, bei Beschwerden Arzt aufsuchen.
  - Nach Hautkontakt: Im allgemeinen ist das Produkt nicht hautreizend.
  - Nach 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: Feuerlöschmaßnahmen auf die Umgebung abstimmen.

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

- 5.3 Hinweise für die Brandbekämpfung
  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: Nicht in die Kanalisation/Oberflächenwasser/Grundwasser gelangen lassen.

- 6.3 Methoden und Material für Rückhaltung und Reinigung: Mechanisch 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:** Behälter dicht geschlossen halten.
  - **Lagerklasse:**
    - **Klassifizierung nach Betriebssicherheitsverordnung (BetrSichV):** -

- **7.3 Spezifische Endanwendungen**
  Keine weiteren relevanten Informationen verfügbar.

**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:**

| 25322-68-3 Polyethylenglycol | MAK Langzeitwert: 200 E mg/m³ vgl. Abschn. IIb und Xc |

- **Zusätzliche Hinweise:** Als Grundlage dienten die bei der Erstellung gültigen Listen.

- **8.2 Begrenzung und Überwachung der Exposition**

- **Persönliche Schutzausrüstung:**
  - **Allgemeine Schutz- und Hygienemaßnahmen:**
    - Von Nahrungsmitteln, Getränken und Futtermitteln fernhalten.
    - Beschmutzte, getränkte Kleidung sofort ausziehen.
    - Vor den Pausen und bei Arbeitende Hände waschen.
    - Berührung mit den Augen vermeiden.
    - Berührung mit den Augen und der Haut vermeiden.
  - **Atemschutz:** Nicht erforderlich.
  - **Handschutz:**
  - **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 Handschuhmaterialien nicht vorausberechenbar und muß deshalb vor dem Einsatz überprüft werden.
    - **Durchdringungszeit des Handschuhmaterials**
      - Die genaue Durchdringungszeit ist beim Schutzhandschuhhersteller zu erfahren und einzuhalten.
Abschnitt 9: Physikalische und chemische Eigenschaften

- 9.1 Angaben zu den grundlegenden physikalischen und chemischen Eigenschaften
- Allgemeine Angaben
- Aussehen:
  - Form: Fest
  - Farbe: Weiß
- Geruch:
  - Geruch: Geruchlos
  - Geruchsschwelle: Nicht bestimmt.
- pH-Wert bei 20 °C: 7
- Zustandsänderung
  - Schmelzpunkt/Gefrierpunkt: Nicht bestimmt.
  - Siedebeginn und Siedebereich: Nicht bestimmt.
- Flammkern: Nicht anwendbar.
- Entzündbarkeit (fest, gasförmig): Nicht bestimmt.
- Zersetzungstemperatur: Nicht bestimmt.
- Selbstentzündungstemperatur: Das Produkt ist nicht selbstentzündlich.
- Explosive Eigenschaften: Das Produkt ist nicht explosionsgefährlich.
- Explosionsgrenzen:
  - Untere: Nicht bestimmt.
  - Obere: Nicht bestimmt.
- Dampfdruck: Nicht anwendbar.
- Dichte: Nicht bestimmt.
- Relative Dichte: Nicht bestimmt.
- Dampfdichte: Nicht anwendbar.
- Verdampfungsgeschwindigkeit: Nicht anwendbar.
- Löslichkeit in / Mischbarkeit mit Wasser: Löslich.
- Verteilungskoeffizient: n-Octanol/Wasser: Nicht bestimmt.
- Viskosität:
  - Dynamisch: Nicht anwendbar.
  - Kinematisch: Nicht anwendbar.
- Lösungsmittelgehalt:
  - Festkörpergehalt: 95,0 %
  - Liquidgehalt: Keine weiteren relevanten Informationen verfügbar.
ABSCHNITT 10: Stabilität und Reaktivität

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

ABSCHNITT 11: Toxikologische Angaben

- 11.1 Angaben zu toxikologischen Wirkungen
  - Akute Toxizität Aufgrund der verfügbaren Daten sind die Einstufungskriterien nicht erfüllt.
  - Primäre Reizwirkung:
    - Ätz-/Reizwirkung auf die Haut Aufgrund der verfügbaren Daten sind die Einstufungskriterien nicht erfüllt.
    - Schwere Augenschädigung/-reizung Aufgrund der verfügbaren Daten sind die Einstufungskriterien nicht erfüllt.
    - Sensibilisierung der Atemwege/Haut Aufgrund der verfügbaren Daten sind die Einstufungskriterien nicht erfüllt.
    - CMR-Wirkungen (krebsverursgende, erbgutverändernde und fortpflanzungsgefährdende Wirkung)
      Keimzell-Mutagenität Aufgrund der verfügbaren Daten sind die Einstufungskriterien nicht erfüllt.
      Karzinogenität Aufgrund der verfügbaren Daten sind die Einstufungskriterien nicht erfüllt.
      Reproduktionstoxizität Aufgrund der verfügbaren Daten sind die Einstufungskriterien nicht erfüllt.
  - Spezifische Zielorgan-Toxizität bei einmaliger Exposition
    Aufgrund der verfügbaren Daten sind die Einstufungskriterien nicht erfüllt.
  - Spezifische Zielorgan-Toxizität bei wiederholter Exposition
    Aufgrund der verfügbaren Daten sind die Einstufungskriterien nicht erfüllt.
  - Aspirationsgefahr Aufgrund der verfügbaren Daten sind die Einstufungskriterien nicht erfüllt.

ABSCHNITT 12: Umweltbezogene Angaben

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

ABSCHNITT 13: Hinweise zur Entsorgung

- 13.1 Verfahren der Abfallbehandlung
**Handelsname:** POLYETHYLENE GLYCOL 8000

(Fortsetzung von Seite 5)

### ABSCHNITT 14: Angaben zum Transport

- **14.1 UN-Nummer**
  - ADR, ADN, IMDG, IATA
  - entfällt

- **14.2 Ordnungsgemäße UN-Versandbezeichnung**
  - ADR, ADN, IMDG, IATA
  - entfällt

- **14.3 Transportgefahrenklassen**
  - ADR, ADN, IMDG, IATA
  - entfällt

- **14.4 Verpackungsgruppe**
  - ADR, IMDG, IATA
  - entfällt

- **14.5 Umweltgefahren:**
  - Nicht anwendbar.

- **14.6 Besondere Vorsichtsmaßnahmen für den Verwender**
  - Nicht anwendbar.

- **14.7 Massengutbeförderung gemäß Anhang II des MARPOL-Übereinkommens und gemäß IBC-Code**
  - Nicht anwendbar.

- **UN "Model Regulation":**
  - entfällt

### ABSCHNITT 15: Rechtsvorschriften

- **15.1 Vorschriften zu Sicherheit, Gesundheits- und Umweltschutz/specifische 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.

- **Wassergefährdungsklasse:**
  - WGK 1 (Selbsteinstufung): schwach wassergefährdend.

### 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)
- PBT: Persistent, Bioaccumulative and Toxic
- vPvB: very Persistent and very Bioaccumulative
**SEZIONE 1: Identificazione della sostanza o della miscela e della società/impresa**

- **1.1 Identificatore del prodotto**
  - Denominazione commerciale: POLYETHYLENE GLYCOL 8000
  - Articolo numero: 19770

- **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 Ellba 140
    - 00138 Rome, Italy
    - Tel: 39 06 8800211
    - Fax: 39 30 06 8815313
    - Web: www.sichim.com
  - Informazioni fornite da: Product safety department
  - **1.4 Numero telefonico di emergenza:**
    - ChemTrec 1-800-424-9300 Contract _CCN7661_<br>1-703-527-3887

**SEZIONE 2: Identificazione dei pericoli**

- **2.1 Classificazione della sostanza o della miscela**
  - Classificazione secondo il regolamento (CE) n. 1272/2008
  - 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
  - Consigli di prudenza
    - P264: Lavare accuratamente dopo l'uso.
    - P305+P351+P338: IN CASO DI CONTATTO CON GLI OCCHI: sciacquare accuratamente per parecchi minuti. Togliere le eventuali lenti a contatto se è agevole farlo. Continuare a sciacquare.
    - P337+P313: Se l’irritazione degli occhi persiste, consultare un medico.
    - P403+P235: Conservare in luogo fresco e ben ventilato.
    - P501: Smaltire il prodotto/recipiente in conformità con le disposizioni locali / regionali / nazionali / internazionali.

- **2.3 Altri pericoli**
  - Risultati della valutazione PBT e vPvB
  - **PBT:** Non applicabile.
  - **vPvB:** Non applicabile.
SEZIONE 3: Composizione/informazioni sugli ingredienti

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

SEZIONE 4: Misure di primo soccorso

- 4.1 Descrizione delle misure di primo soccorso
  - Inalazione: Portare in zona ben areata, in caso di disturbi consultare il medico.
  - Contatto con la pelle: Generalmente il prodotto non è irritante per la pelle.
  - Contatto con gli occhi: Lavare con acqua corrente per diversi minuti tenendo le palpebre ben aperte Se persiste il dolore consultare il medico.
  - Ingestione: Se il dolore persiste consultare il medico.
- 4.2 Principali sintomi ed effetti, sia acuti che ritardati Non sono disponibili altre informazioni.
- 4.3 Indicazione dell’eventuale necessità di consultare immediatamente un medico e di trattamenti speciali
  Non sono disponibili altre informazioni.

SEZIONE 5: Misure antincendio

- 5.1 Mezzi di estinzione
  - Mezzi di estinzione idonei: Adottare provvedimenti antincendio nei dintorni della zona colpita.
  - 5.2 Pericoli speciali derivanti dalla sostanza o dalla miscela Non sono disponibili altre informazioni.
  - 5.3 Raccomandazioni per gli addetti all’estinzione degli incendi
  - 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: Impedire infiltrazioni nella fognatura/nelle acque superficiali/nelle acque freatiche.
- 6.3 Metodi e materiali per il contenimento e per la bonifica: Raccogliere con mezzi meccanici.
- 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: Mantenere i recipienti ermeticamente chiusi.

(continua a pagina 3)
Scheda di dati di sicurezza
ai sensi del regolamento 1907/2006/CE, Articolo 31

Denominazione commerciale: POLYETHYLENE GLYCOL 8000

- 7.3 Usi finali particolari Non sono disponibili altre informazioni.

(Segue da pagina 2)

SEZIONE 8: Controllo dell’esposizione/protezione individuale

- Ulteriori indicazioni sulla struttura di impianti tecnici: Nessun dato ulteriore, vedere punto 7.

- 8.1 Parametri di controllo
  - Componenti i cui valori limite devono essere tenuti sotto controllo negli ambienti di lavoro:
    Il prodotto non contiene quantità rilevanti di sostanze i cui valori limite devono essere tenuti sotto controllo negli ambienti di lavoro.
  - Ulteriori indicazioni: Le liste valide alla data di compilazione sono state usate come base.

- 8.2 Controlli dell’esposizione
  - Mezzi protettivi individuali:
    - Norme generali protettive e di igiene del lavoro:
      Tenere lontano da cibo, bevande e foraggi.
      Togliere immediatamente gli abiti contaminati.
      Lavarsi le mani prima dell’intervallo o a lavoro terminato.
      Evitare il contatto con gli occhi.
      Evitare il contatto con gli occhi e la pelle.
  - Maschera protettiva: 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 test non può essere consigliato alcun tipo di materiale per i guanti con cui manipolare il prodotto/la formulazione/la miscela di sostanze chimiche.
    Scelta del materiale dei guanti in considerazione dei tempi di passaggio, dei tassi di permeazione e della degradazione.
  - Materiale dei guanti
    La scelta dei guanti adatti non dipende soltanto dal materiale 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:
    Occhiali protettivi a tenuta

SEZIONE 9: Proprietà fisiche e chimiche

- 9.1 Informazioni sulle proprietà fisiche e chimiche fondamentali
  - Indicazioni generali
  - Aspetto:
    Forma: Solido
    Colore: Bianco
  - Odore:
    Inodore
  - Soglia olfattiva:
    Non definito.
  - Valori di pH a 20 °C: 7

(continua a pagina 4)
Denominazione commerciale: POLYETHYLENE GLYCOL 8000

<table>
<thead>
<tr>
<th>· Cambiamento di stato</th>
<th>Non definito.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Punto di fusione/punto di congelamento:</td>
<td>Non definito.</td>
</tr>
<tr>
<td>Punto di ebollizione iniziale e intervallo di ebollizione:</td>
<td>Non definito.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>· Punto di infiammabilità:</th>
<th>Non applicabile.</th>
</tr>
</thead>
<tbody>
<tr>
<td>· Inflammarità (solidi, gas):</td>
<td>Non definito.</td>
</tr>
<tr>
<td>· Temperatura di decomposizione:</td>
<td>Non definito.</td>
</tr>
<tr>
<td>· Temperatura di autoaccensione:</td>
<td>Prodotto non autoinfiammabile.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>· Proprietà esplosive:</th>
<th>Prodotto non esplosivo.</th>
</tr>
</thead>
<tbody>
<tr>
<td>· Limiti di infiammabilità:</td>
<td>Non definito.</td>
</tr>
<tr>
<td>Inferiore:</td>
<td>Non definito.</td>
</tr>
<tr>
<td>Superiore:</td>
<td>Non definito.</td>
</tr>
<tr>
<td>· Tensione di vapore:</td>
<td>Non applicabile.</td>
</tr>
<tr>
<td>· Densità:</td>
<td>Non definito.</td>
</tr>
<tr>
<td>Densità relativa:</td>
<td>Non definito.</td>
</tr>
<tr>
<td>Densità di vapore:</td>
<td>Non applicabile.</td>
</tr>
<tr>
<td>· Velocità di evaporazione:</td>
<td>Non applicabile.</td>
</tr>
<tr>
<td>· Solubilità in/Miscibilità con acqua:</td>
<td>Solubile.</td>
</tr>
<tr>
<td>· Coefficiente di ripartizione: n-ottanolo/acqua:</td>
<td>Non definito.</td>
</tr>
<tr>
<td>· Viscosità:</td>
<td>Non applicabile.</td>
</tr>
<tr>
<td>Dinamica:</td>
<td>Non applicabile.</td>
</tr>
<tr>
<td>Cinematica:</td>
<td>Non applicabile.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>· Tenore del solvente:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Contenuto solido:</td>
</tr>
<tr>
<td>9.2 Altre informazioni:</td>
</tr>
</tbody>
</table>

**SEZIONE 10: Stabilità e reattività**

<table>
<thead>
<tr>
<th>· 10.1 Reattività:</th>
<th>Non sono disponibili altre informazioni.</th>
</tr>
</thead>
<tbody>
<tr>
<td>· 10.2 Stabilità chimica:</td>
<td></td>
</tr>
<tr>
<td>Decomposizione termica/condizioni da evitare:</td>
<td>Il prodotto non si decompone se utilizzato secondo le norme.</td>
</tr>
<tr>
<td>· 10.3 Possibilità di reazioni pericolose:</td>
<td>Non sono note reazioni pericolose.</td>
</tr>
<tr>
<td>· 10.4 Condizioni da evitare:</td>
<td>Non sono disponibili altre informazioni.</td>
</tr>
<tr>
<td>· 10.5 Materiali incompatibili:</td>
<td>Non sono disponibili altre informazioni.</td>
</tr>
<tr>
<td>· 10.6 Prodotti di decomposizione pericolosi:</td>
<td>Non sono noti prodotti di decomposizione pericolosi.</td>
</tr>
</tbody>
</table>

**SEZIONE 11: Informazioni tossicologiche**

<table>
<thead>
<tr>
<th>· 11.1 Informazioni sugli effetti tossicologici:</th>
</tr>
</thead>
<tbody>
<tr>
<td>· Tossicità acuta: Basandosi sui dati disponibili i criteri di classificazione non sono soddisfatti.</td>
</tr>
<tr>
<td>· Irritabilità primaria:</td>
</tr>
<tr>
<td>· Corrosione/irritazione cutanea: Basandosi sui dati disponibili i criteri di classificazione non sono soddisfatti.</td>
</tr>
</tbody>
</table>

(continua a pagina 5)
Denominazione commerciale: POLYETHYLENE GLYCOL 8000

- Lesioni oculiari gravi/irritazioni oculiari 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.

SEZIONE 12: Informazioni ecologiche

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

SEZIONE 13: Considerazioni sullo smaltimento

- 13.1 Metodi di trattamento dei rifiuti
  - Consigli: Non smaltire il prodotto insieme ai rifiuti domestici Non immettere nelle fognature.
- Imballaggi non puliti:
  - Consigli: Smaltimento in conformità con le disposizioni amministrative.
- Detergente consigliato: Acqua eventualmente con l'aggiunta di detersivi.

SEZIONE 14: Informazioni sul trasporto

- 14.1 Numero ONU
  - ADR, ADN, IMDG, IATA: non applicabile
- 14.2 Nome di spedizione dell’ONU
  - ADR, ADN, IMDG, IATA: non applicabile
- 14.3 Classi di pericolo connesso al trasporto
  - ADR, ADN, IMDG, IATA: non applicabile

(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)
- PBT: Persistent, Bioaccumulative and Toxic
- vPvB: very Persistent and very Bioaccumulative
1 화학제품과 회사에 관한 정보

· 제품 식별자
  · 제품명: POLYETHYLENE GLYCOL 8000
  · 상품번호: 19770
  · 해당 순물질이나 혼합물의 관련 하위용도 및 사용금지용도 추가적인 정보가 존재하지 않습니다.
  · 제품의 권고용도와 사용상의 제한: 실험실 화학품

· 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: sgkck@aol.com
    www.emsdiasum.com
  
  Samchang Commercial Co., Ltd.
  Yeo Eui Do
  PO Box 1110
  Seoul, Korea
  Tel: 82 2 703 3040
  Fax: 82 2 717 3298

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

· 추가적인 정보 획득 가능: Product safety department
· 비상연락 전화번호:
  ChemTrec 1-800-424-9300 Contract CCN7661
  1-703-527-3887

2 유해성 위험성

· 순물질 또는 혼합물의 분류
  
  ![경고]

  심한 눈 손상성/눈 자극성 - 구분 2 H319 눈에 심한 자극을 일으킴

· 라벨표기 요소
· GHS 라벨 요소
  본 제품은 화학물질의 분류 및 표기에 관한 국제조화시스템(GHS)에 따라 분류 및 표기되었습니다.
· 그림문자
  ![경고]
  GHS07

· 신호어 경고
### 물질안전보건자료

#### GHS에 따라

<table>
<thead>
<tr>
<th>제품명: POLYETHYLENE GLYCOL 8000</th>
</tr>
</thead>
</table>

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#### 3 구성성분의 명칭 및 함유량

- **화학적 특성: 혼합물**
- **설명: 무해한 첨가물이 함유된 아래에 열려진 물질로 만든 어진 혼합물.**

<table>
<thead>
<tr>
<th>위험요소</th>
</tr>
</thead>
<tbody>
<tr>
<td>25322-68-3 Polyethylene glycol</td>
</tr>
</tbody>
</table>

---

#### 4 응급조치 요령

- **응급조치요령 내용**
  - 흡입했을 때: 신선한 공기를 써고, 통증이 있을 때는 의료진의 도움을 구한다.
  - 피부에 접촉했을 때: 일반적으로 이 제품은 피부에 자극적이지 않다.
  - 눈에 들어갔을 때: 화로는 물에 눈을 몇분간 섞어내고나서, 증상이 지속될 경우에는 의사와 상담한다.
  - 먹었을 때: 증상이 지속될 경우에는 의사와 상담한다.
  - 기타 의사의 주의사항:
    - 가장 중요한 금기품급한 상황 및 영향: 추가적인 정보가 존재하지 않습니다.
    - 특기적인 의료처치 및 특별조치가 필요할 시 사시하는 절차: 추가적인 정보가 존재하지 않습니다.

---

#### 5 폭발, 화재시 대처방법

- **소화제:** 폭발한 소화제: 주 변 환경에 맞는 화재 진화방법을 사용한다.
- **화학적 특성: 혼합물**
  - 분화학물질이나 환경에서 발생하는 특별 유해성 추가적인 정보가 존재하지 않습니다.
  - 소방관에 대한 권고사항:
  - 화재 진화시 회복할 보호구 및 예방조치: 특별한 조치가 필요없음.

---

#### 6 누출 사고 시 대처방법

- **개인적 예방조치:** 보호장비 및 응급처치 절차 필요없음.
- **환경 관련 예방조치:** 하수도방/해수면위의물/지하수로도달하지않음.
- **밀폐 및 정화 방안과 소재:** 기계를 사용해서 적어 옮긴다.
- **타 석균 치료**
  - 안전관리에 대한 정보는 제 7장을 참고하시오.
  - 개인 보호장비에 대한 정보는 제 8장을 참고하시오.
제품명: POLYETHYLENE GLYCOL 8000

쓰레기 처리에 대한 정보는 제13장을 참고하시오.

7 취급 및 저장방법

· 취급:
  · 안전 취급을 위한 예방조치: 올바르게 사용할 경우에는 특별한 주의가 필요없다.
  · 화재 및 폭발 사고 예방에 관한 정보: 특별한 조치가 필요없음.

· 보관:
  · 안전한 저장 방방: 특별한 요구사항이 없음.
  · 보관 조건에 관한 추가적인 정보: 용기를 새지 않게 가려 뿌리 폐쇄한 제조관련 정보가 존재하지 않습니다.

8 노출방지 및 개인보호구

· 철단시설 사용자에 대한 추가정보: 더 이상의 자료는 없음. 항목7을 참고하시오.

· 화학물질의 노출기준, 생물학적 노출기준 등:
  - 25322-68-3 Polyethylene glycol
  - WEEL (US) 장기간의값: 10 mg/m³ (H): MW>200

· 추가 정보: 제 조 할당시에 유 효한 목록을 기초로 사용한다.

· 노출 통제
  · 개인 보호구
  · 일반적 보호조치 및 위생조치:
    - 식료품, 음료수와 사료로부터 멀리 멀어 떠 놓는다.
    - 뜨거운 물과 식대를 사용하여 손을 빼온다.
    - 병원의 접촉을 피한다.

· 호흡기 보호: 필요없음.

· 안전
  · 장갑재질은채/원료/제조를 투과시켜지지 않아야하고, 내구성이 있어야한다.
  · 테스트를 하지 않기 때문에 제조/조제/화학 총합물에 적합한 장갑재질에 대한 추천이 없다.
  · 투과 시간, 투과 물과 저하를 고려해서장 갑 재료를 선택한다.

장갑의저로

적합한장갑의선정은제질차이쁘아나리플질기준의차이도고려하여이어져야함으로써조입증에따서도다
르게선정되어야한다.제품은다양한제조로부터의조제로이어지는것이기때문에,장갑재질의안정성은사
전에측어지지할수있는것이아니고,반드시사용전에(고단전성이)업체되어야한다.

장갑 제조의 투과시간
  - 정확한관통시간은보호장갑제조자에의하여지정되고,준수되어야한다.
  - 눈보호: 착조이나는보안경
## 9 물리화학적 특성

### 기본 물리 및 화학적 특성에 대한 정보
- 일반정보
  - 유형: 고체
  - 색: 하얀
  - 녹색: 무취의
  - 흡각역치: 알맞지 않다.

- pH 의경우 20 °C: 7

### 상태변화
- 녹는점/어는점: 맞지않는
- 초기 끓는점과 끓는점 범위: 맞지않는

### 인화점
- 해당사항: 없음.

### 인화성
- 고체, 기체: 알맞지 않다.

### 분해
- 온도: 알맞지 않다.

### 자기점화
- 이제품은 자연발화성이 없다.

### 폭발위험
- 이제품은 폭발위험성이 없다.

### 인화 또는 폭발 범위의 상한/하한
- 아래로: 알맞지 않다.
- 위로: 알맞지 않다.

### 증기압
- 해당사항: 없음.

### 밀도
- 맞지않는다.
- 비중: 알맞지 않다.
- 증기밀도: 해당사항 없음.
- 증발 속도: 해당사항 없음.

### 용해도
- 물: 가용의
- n 육탄올/물 분배계수: 알맞지 않다.

### 점도
- 역학성: 해당사항 없음.
- 동점성: 해당사항 없음.

### 용매내용물
- 고체의 함량: 95.0 %
- 기타 정보: 추가적인 정보가 존재하지 않습니다.

## 10 안정성 및 반응성

- 반응성: 추가적인 정보가 존재하지 않습니다.
- 화학적 안정성
  - 화학적 안정성 및 유해 반응의 가능성 / 피해야 할 조건: 규정에 따라 사용할경우해체는 없다
  - 유해반응 가능성 위험한반응으로는 알려지지 않았다.
  - 피해야 할 조건 추가적인 정보가 존재하지 않습니다.

### 혼합 금지 물질
- 추가적인 정보가 존재하지 않습니다.
제품명: POLYETHYLENE GLYCOL 8000

### 11 특성에 관한 정보

- 독성학적 영향에 대한 정보
  - 급성 독성:
  - 급성 자극성 또는 자극성: 무자극
  - 피부 부식성 또는 자극성: 자극
  - 코물 및 숨소 이상 또는 자극성: 자극

- 수생독성 및 생물농축성 정보
  - 추가적인 정보가 존재하지 않습니다.

- 토양 독성 및 이동성 정보
  - 추가적인 정보가 존재하지 않습니다.

- 생태학적 정보
  - 일반적 특성: 
    - 수질오염등급 1 (자체등급분류): 약하게 수질오염이된 화학물질, 오염 물질이 하수도로 유출되지 않기 위한 조치를 취해야 함.
    - PBT(잔류성, 생물농축성, 독성 물질) 및 vPvB(고잔류성, 고생물농축성 물질) 평가 결과: 해당사항 없음.

### 12 환경에 미치는 영향

- 독성
  - 수생독성: 추가적인 정보가 존재하지 않습니다.
  - 지속성 및 분해성 추가적인 정보가 존재하지 않습니다.

- 환경 시스템에 미치는 영향
  - 생물농축 및 잠재성 추가적인 정보가 존재하지 않습니다.

- 토양에 미치는 영향
  - 추가적인 생태학 정보

- 일반적 특성: 
  - 수질오염등급 1 (자체등급분류): 약하게 수질오염이된 화학물질, 오염 물질이 하수도로 유출되지 않기 위한 조치를 취해야 함.
  - PBT(잔류성, 생물농축성, 독성 물질) 및 vPvB(고잔류성, 고생물농축성 물질) 평가 결과: 해당사항 없음.

### 13 폐기시 주의사항

- 폐기물 처리 방법
  - 권고: 생활쓰레기와 함께 처리되어서는 안된다. 하수도망으로 유입되어서는 안된다.

- 비위생적 포장
  - 권고: 당국의 지침에 따라 포장된 자료를 받아야 함.

### 14 운송에 필요한 정보

- 유전자 변호
  - ADR, ADN, IMDG, IATA

- UN 번호
  - ADR, ADN, IMDG, IATA

(4쪽부터계속)
제품명: POLYETHYLENE GLYCOL 8000

고용 위험 클래스
- ADR, ADN, IMDG, IATA
- 등급 누락이다

용기등급
- ADR, IMDG, IATA
- 등급 누락이다

환경적 유해물질: 해당사항 없음.

이용자 특별 예방조치: 해당사항 없음.

MARPOL73/78(선박으로부터의 해양오염방지협약) 부속서2 및 IBC Code(국제선적화물코드)에 따른 벌크(bulk) 운송: 해당사항 없음.

UN "모범 규제": 누락된다

15 법적 규제현황

산업안전보건법에 의한 규제:
- 제조 등 금지물질: 어떠한내용물질목록화되어있지않다
- 허가대상물질: 어떠한내용물질목록화되어있지않다
- 관리대상유해물질: 어떠한내용물질목록화되어있지않다
- 특수건강진단 대상 유해인자: 어떠한내용물질목록화되어있지않다
- 해당 순수물질 또는 혼합물에 대한 안전, 보건 및 환경 규제/법률
  - Korean Existing Chemical Inventory
    25322-68-3 Polyethylene glycol KE-20228
  - 화학물질관리법
    사고대비물질: 어떠한내용물질목록화되어있지않다
  - 금지물질: 어떠한내용물질목록화되어있지않다
  - 제한물질: 어떠한내용물질목록화되어있지않다
  - 유독물질: 어떠한내용물질목록화되어있지않다
  - 허가물질: 어떠한내용물질목록화되어있지않다
- 위험물질관리법 (위험물 및 지정수량) False
- GHS 라벨 요소: 본 제품은 화학물질의 분류 및 표기에 관한 국제조화시스템(GHS)에 따라 분류 및 표기되었습니다.
제품명: POLYETHYLENE GLYCOL 8000

· 그림문자

![GHS07]

· 신품어 경고

· 유해.위험 문구

눈에 심한 자극을 입으킴

· 예방조치 문구

취급 후에는 취급 부위를 철저히 씻으십시오.
눈 보호대/안면 보호구 착용.
눈에 묻으면 몇 분간 물로 씻어 주십시오. 가능하면 콘택트렌즈를 제거하시고 계속 씻으십시오.
눈에 자극이 지속되면 의학적인 조치/조언을 구하시오.
한기가 자주 되는 곳에 보관하고 저온으로 유지하시오.

현지/지역/국가/국제 규정에 따라서 내용물/용기 노출
화학물질 안전성 평가: 화학물질 안전성 평가가 수행되지 않음

16 그 밖의 참고사항

이보고는 우리지식에대한오늘날의상태에대하여평가하고있다. 하지만이보고서는생산특성에관한보증을

최초 작성일자: 2019.10.11
개정 횟수 및 최종 개정일자: 1 / 2019.10.11
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)
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: POLYETHYLENE GLYCOL 8000
· Número del artículo: 19770
· 1.2 Usos pertinentes identificados de la sustancia o de la mezcla y usos desaconsejados
   No existen más datos relevantes disponibles.
· Utilización del producto / de la elaboración Sustancias químicas de laboratorio
· 1.3 Datos del proveedor de la ficha de datos de seguridad
· Fabricante/distribuidor:
   Electron Microscopy Sciences
   1560 Industry Road
   USA-Hatfield, PA 19440
   Tel: 215-412-8400  Fax: 215-412-8450
   email: 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@anname.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
· Consejos de prudencia
   P264  Lavarse concienzudamente tras la manipulación.
   P305+P351+P338  EN CASO DE CONTACTO CON LOS OJOS: Aclarar cuidadosamente con agua durante varios minutos. Quitar las lentes de contacto, si lleva y resulta fácil. Seguir aclarando.
   P337+P313  Si persiste la irritación ocular: Consultar a un médico.
   P403+P235  Almacenar en un lugar bien ventilado. Mantener en lugar fresco.
   P501  Eliminar el contenido o el recipiente conforme a la reglamentación local/regional/nacional/internacional.
· 2.3 Otros peligros
· Resultados de la valoración PBT y mPmB
   · PBT: No aplicable.
   · mPmB: No aplicable.

(se continua en página 2)
SECCIÓN 3: Composición/información sobre los componentes

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

SECCIÓN 4: Primeros auxilios

- 4.1 Descripción de los primeros auxilios
  · En caso de inhalación del producto: Suministrar aire fresco. En caso de trastornos, consultar al médico.
  · En caso de contacto con la piel: Por regla general, el producto no irrita la piel.
  · En caso de con los ojos: Limpiar los ojos abiertos durante varios minutos con agua corriente. En caso de trastornos persistentes consultar un médico.
  · En caso de ingestión: Consultar un médico si los trastornos persisten.
  · 4.2 Principales síntomas y efectos, agudos y retardados No existen más datos relevantes disponibles.
  · 4.3 Indicación de toda atención médica y de los tratamientos especiales que deban dispensarse inmediatamente
  No existen más datos relevantes disponibles.

SECCIÓN 5: Medidas de lucha contra incendios

- 5.1 Medios de extinción
  · Sustancias extintoras apropiadas: Combatir los incendios con medidas adaptados al ambiente circundante.
  · 5.2 Peligros específicos derivados de la sustancia o la mezcla No existen más datos relevantes disponibles.
  · 5.3 Recomendaciones para el personal de lucha contra incendios
  · Equipo especial de protección: No se requieren medidas especiales.

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:
    Evitar que penetre en la canalización /aguas de superficie /agua subterráneas.
  · 6.3 Métodos y material de contención y de limpieza: Recoger mecánicamente.
  · 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 almacen y los recipientes: No se requieren medidas especiales.
    · Normas en caso de un almacenamiento conjunto: No es necesario.
Nombre comercial: POLYETHYLENE GLYCOL 8000

- Indicaciones adicionales sobre las condiciones de almacenamiento:
  Mantener el recipiente cerrado herméticamente.
- 7.3 Usos específicos finales No existen más datos relevantes disponibles.

SECCIÓN 8: Controles de exposición/protección individual

- Instrucciones adicionales para el acondicionamiento de instalaciones técnicas:
  Sin datos adicionales, ver punto 7.
- 8.1 Parámetros de control
  Componentes con valores límite admisibles que deben controlarse en el puesto de trabajo:
  El producto no contiene cantidades relevantes de sustancias con valores límite que 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
  Medidas generales de protección e higiene:
  Mantener alejado de alimentos, bebidas y alimentos para animales.
  Quitarse de inmediato la ropa ensuciada o impregnada.
  Lavarse las manos antes de las pausas y al final del trabajo.
  Evitar el contacto con los ojos.
  Evitar el contacto con los ojos y la piel.
  Protección respiratoria: 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 sustancias químicas.
  Selección del material de los guantes en función de los tiempos de rotura, grado de permeabilidad y degradación.
  Material de los guantes
  La elección del guante adecuado no depende únicamente del material, sino también de otras características de calidad, que pueden variar de un fabricante a otro. 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.
  Tiempo de penetración del material de los guantes
  El tiempo de resistencia a la penetración exacto deberá ser pedido al fabricante de los guantes. Este tiempo debe ser respetado.
  Protección de ojos:

Gafas de protección herméticas

SECCIÓN 9: Propiedades físicas y químicas

- 9.1 Información sobre propiedades físicas y químicas básicas
- Datos generales
  Aspecto: Sólido
  Forma: Sólido
  Color: Blanco
  Olor: Inodoro

( se continua en página 4 )
### SECCIÓN 10: Estabilidad y reactividad

- **10.1 Reactividad**: No existen más datos relevantes disponibles.
- **10.2 Estabilidad química**: No existen más datos relevantes disponibles.
- **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**: A la vista de los datos disponibles, no se cumplen los criterios de clasificación.
- **Toxicidad aguda**: A la vista de los datos disponibles, no se cumplen los criterios de clasificación.
- **Efecto estimulante primario**: No existen más datos relevantes disponibles.
- **Corrosión o irritación cutáneas**: A la vista de los datos disponibles, no se cumplen los criterios de clasificación.
Nombre comercial: POLYETHYLENE GLYCOL 8000

- 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:
    Nivel de riesgo para el agua 1 (autoclasificación): escasamente peligroso para el agua
    En estado no diluido o no neutralizado, no dejar que se infiltre en aguas subterráneas, aguas superficiales o en alcantarillados.
- 12.5 Resultados de la valoración PBT y mPmB
  - PBT: No aplicable.
  - mPmB: No aplicable.
- 12.6 Otros efectos adversos: No existen más datos relevantes disponibles.

SECCIÓN 13: Consideraciones relativas a la eliminación

- 13.1 Métodos para el tratamiento de residuos
  - Recomendación: No debe desecharse con la basura doméstica. No debe llegar al alcantarillado.
- Embalajes sin limpiar:
  - Recomendación: Eliminar conforme a las disposiciones oficiales.
- Producto de limpieza recomendado: Agua, eventualmente añadiendo productos de limpieza.

SECCIÓN 14: Información relativa al transporte

- 14.1 Número ONU
  - ADR, ADN, IMDG, IATA: Suprimido
- 14.2 Designación oficial de transporte de las Naciones Unidas
  - ADR, ADN, IMDG, IATA: Suprimido
Nombre comercial: POLYETHYLENE GLYCOL 8000

14.3 Clase(s) de peligro para el transporte
- ADR, ADN, IMDG, IATA
  - Clase: suprimida

14.4 Grupo de embalaje
- ADR, IMDG, IATA
  - Clase: suprimida

14.5 Peligros para el medio ambiente:
  - No aplicable.

14.6 Precauciones particulares para los usuarios
  - No aplicable.

14.7 Transporte a granel con arreglo al anexo II del Convenio MARPOL y el Código IBC
  - No aplicable.

"Reglamentación Modelo" de la UNECE:
  - Suprimido

SECCIÓN 15: Información reglamentaria

15.1 Reglamentación y legislación en materia de seguridad, salud y medio ambiente específicas para la sustancia o la mezcla
- Directiva 2012/18/UE
- Sustancias peligrosas nominadas - ANEXO I: 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)
- PBT: Persistent, Bioaccumulative and Toxic
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