Material Safety Data Sheet
Carbowax PEG 8000

ACC# 19125

Section 1 - Chemical Product and Company Identification

MSDS Name: Carbowax PEG 8000

Synonyms: Poly(oxy-1,2-ethanediyl), beta-hydroxy-omega-hydroxy-, Polyethylene glycol

Company Identification:
Fisher Scientific
1 Reagent Lane
Fairlawn, NJ 07410
For information, call: 201-796-7100
Emergency Number: 201-796-7100
For CHEMTREC assistance, call: 800-424-9300
For International CHEMTREC assistance, call: 703-527-3887

Section 2 - Composition, Information on Ingredients

<table>
<thead>
<tr>
<th>CAS#</th>
<th>Chemical Name</th>
<th>Percent EINE</th>
</tr>
</thead>
<tbody>
<tr>
<td>25322-68-3</td>
<td>Poly(oxy-1,2-ethanediyl), alpha-hydroxy-omega-hydroxy-</td>
<td>100</td>
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</table>

Section 3 - Hazards Identification

EMERGENCY OVERVIEW

Appearance: white. **Caution!** This is expected to be a low hazard for usual i handling. May cause irritation.

Target Organs: None.
Potential Health Effects

Eye: May cause mild eye irritation.
Skin: Low hazard for usual industrial handling.
Ingestion: May cause gastrointestinal irritation with nausea, vomiting and diarrhea.
Inhalation: No hazard expected in normal industrial use.
Chronic: Prolonged or repeated skin contact may cause dermatitis.

Section 4 - First Aid Measures

Eyes: Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the lower lids. Get medical aid.
Skin: Flush skin with plenty of soap and water for at least 15 minutes while removing contaminated clothing and shoes. Get medical aid if irritation develops or persists.
Ingestion: If victim is conscious and alert, give 2-4 cupfuls of milk or water. Never give anything by mouth to an unconscious person. Get medical aid.
Inhalation: Remove from exposure to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid.
Notes to Physician: Treat symptomatically and supportively.

Section 5 - Firefighting Measures

General Information: As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. Dusts at sufficient concentrations may be generated by decomposition of the material. Explosive mixtures with air may be generated by decomposition or combustion.
Extinguishing Media: In case of fire, use water, dry chemical, chemical foam, or alcohol-resistant foam.
Autoignition Temperature: Not available.
Flash Point: 268 deg C (514.40 deg F)
NFPA Rating: Health: 0; Flammability: 1; Reactivity: 0
Explosion Limits: Lower: Not available. Upper: Not available.

Section 6 - Accidental Release Measures

General Information: Use proper personal protective equipment as indicated in Section 8.
Spills/Leaks: Sweep up or absorb material, then place into a suitable clean, dry, closed container for disposal.

Section 7 - Handling and Storage

Handling: Wash thoroughly after handling. Remove contaminated clothing and wash before reusing.
Storage: Store in a cool, dry place.

Section 8 - Exposure Controls, Personal Protection

Engineering Controls: Good general ventilation should be sufficient to control airborne levels of exposure limits.
Chemical Name | ACGIH | NIOSH
--- | --- | ---
Poly(oxy-1,2-ethanediyl),alpha-hydro-omega-hydroxy- | none listed | none listed

**OSHA Vacated PELs**: Poly(oxy-1,2-ethanediyl),alpha-hydro-omega-hydroxy-: No OSHA V are listed for this chemical.

**Personal Protective Equipment**
- **Eyes**: Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA or face protection regulations in 29 CFR 1910.133 or European Standard EN166.
- **Skin**: Wear appropriate protective gloves to prevent skin exposure.
- **Clothing**: Wear appropriate protective clothing to prevent skin exposure.
- **Respirators**: Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Always use a NIOSH or European Standard EN 149 approved respirator when necessary.

**Section 9 - Physical and Chemical Properties**

- **Physical State**: Solid
- **Appearance**: white
- **Odor**: None reported
- **pH**: Not available.
- **Vapor Pressure**: Not available.
- **Vapor Density**: Not available.
- **Evaporation Rate**: Not available.
- **Viscosity**: Not available.
- **Boiling Point**: Not available.
- **Freezing/Melting Point**: 60 deg C
- **Decomposition Temperature**: Not available.
- **Solubility**: Soluble in water.
- **Specific Gravity/Density**: 1.20
- **Molecular Formula**: H-(CH2CH2O)n-OH
- **Molecular Weight**:

**Section 10 - Stability and Reactivity**

- **Chemical Stability**: Stable.
- **Conditions to Avoid**: Incompatible materials.
- **Incompatibilities with Other Materials**: Strong oxidizing agents.
- **Hazardous Decomposition Products**: Carbon monoxide, carbon dioxide.
- **Hazardous Polymerization**: Will not occur.

**Section 11 - Toxicological Information**

**RTECS#:**
- CAS# 25322-68-3: TQ35000000 TQ36000000 TQ36100000 TQ36200000 TQ36300000 TQ36500000 TQ37000000 TQ38000000 TQ38500000 TQ40250000 TQ40260000 TQ40270000 TQ40280000 TQ40 TQ40400000 TQ40410000 TQ40500000 TQ40700000 TQ41000000 TQ41050000 TQ41100000 TQ49 TQ50900000 TR1579850 ZD2465300
- **LD50/LC50:**
  - CAS# 25322-68-3:
    - Oral, mouse: LD50 = 34 gm/kg;
    - Oral, rabbit: LD50 = 14 gm/kg;
    - Oral, rat: LD50 = 28 gm/kg;
    - Skin, rabbit: LD50 = >20 gm/kg;
  - **Carcinogenicity**: Not listed by ACGIH, IARC, NIOSH, NTP, or OSHA.
  - **Epidemiology**: No data available.
  - **Teratogenicity**: No data available.
Reproductive Effects: No data available.
Neurotoxicity: No data available.
Mutagenicity: No data available.
Other Studies: No data available.

Section 12 - Ecological Information

Ecotoxicity: Not available.
Environmental Fate: Not available.
Physical/Chemical: Not available.
Other: Not available.

Section 13 - Disposal Considerations

Dispose of in a manner consistent with federal, state, and local regulations.

RCRA D-Series Maximum Concentration of Contaminants: None listed.
RCRA D-Series Chronic Toxicity Reference Levels: None listed.
RCRA F-Series: None listed.
RCRA P-Series: None listed.
RCRA U-Series: None listed.

Section 14 - Transport Information

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<th>US DOT</th>
<th>IATA</th>
<th>RID/ADR</th>
<th>IMO</th>
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<tr>
<td>Packing Group:</td>
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Section 15 - Regulatory Information

US FEDERAL

TSCA
CAS# 25322-68-3 is listed on the TSCA inventory.

Health & Safety Reporting List
None of the chemicals are on the Health & Safety Reporting List.

Chemical Test Rules
None of the chemicals in this product are under a Chemical Test Rule.

Section 12b
None of the chemicals are listed under TSCA Section 12b.

TSCA Significant New Use Rule
None of the chemicals in this material have a SNUR under TSCA.

SARA

Section 302 (RQ)
None of the chemicals in this material have an RQ.

Section 302 (TPQ)
None of the chemicals in this product have a TPQ.

Section 313
No chemicals are reportable under Section 313.

**Clean Air Act:**
This material does not contain any hazardous air pollutants. This material does not contain any Ozone depletors. This material does not contain any Class 2 Ozone depletors.

**Clean Water Act:**
None of the chemicals in this product are listed as Hazardous Substances under the CWA. None of the chemicals in this product are listed as Priority Pollutants under the CWA. None of the chemicals in this product are listed as Toxic Pollutants under the CWA.

**OSHA:**
None of the chemicals in this product are considered highly hazardous by OSHA.

**STATE**
CAS# 25322-68-3 can be found on the following state right to know lists: Minnesota. California No Significant Risk Level: None of the chemicals in this product are listed.

**European/International Regulations**

**European Labeling in Accordance with EC Directives**

**Hazard Symbols:**
Not available.

**Risk Phrases:**

**Safety Phrases:**

KG (Water Danger/Protection)
CAS# 25322-68-3: 1

**Canada**
CAS# 25322-68-3 is listed on Canada’s DSL/NDSL List.
This product has a WHMIS classification of Not controlled.
CAS# 25322-68-3 is not listed on Canada’s Ingredient Disclosure List.

**Exposure Limits**

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**Section 16 - Additional Information**

**MSDS Creation Date:** 3/10/1995
**Revision #4 Date:** 9/02/1997

The information above is believed to be accurate and represents the best information currently available to us. How warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assure no liability for any claims, losses, or damages of any third party or for lost profits or a indirect, incidental, consequential or exemplary damages, howsoever arising, even if Fisher has been advised of the damages.

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