

SAFETY DATA SHEET

REVISED DATE: 1/18/2017

Section 1: IDENTIFICATION

PRODUCT: PEG 200

SYNONYMS: Polyethylene Glycol 200, PEG-4

RECOMMENDED USE: Multipurpose polymer

SUPPLIER: ChemCeed LLC
1720 Prosperity Court
Chippewa Falls, WI 54729

GENERAL INFORMATION: 715-726-2300

EMERGENCY INFORMATION: CHEMTREC
800-424-9300

Section 2: HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW:

GHS Classification:

Classification (29CFR1910.1200 Appendix A):

This chemical is not considered hazardous by the 2012 OSHA Hazard Communication Standard. This is not a dangerous substance or mixture according to the United Nations Globally Harmonized System of Classification and Labelling of Chemicals (GHS).

GHS Physical Hazard:

Not Listed

GHS Health Hazard:

Not Listed

GHS Environmental Hazard:

Not Listed

GHS Labeling



Symbol:

Signal Word: Warning

Hazard Statements:

H335 May cause respiratory irritation

Precautionary Statements:

P261 Avoid breathing dust/fumes/gas/mist/vapors/spray

P271 Use only outdoors or in a well-ventilated area

Response:

P304 + P340 + P312 If inhaled: remove person to fresh air and keep comfortable for breathing. Call a poison center/doctor if you feel unwell

Storage:

P403 + P233 Store in a well-ventilated place. Keep container tightly closed

P405 Store locked up

Disposal:

P501 Dispose of contents/container to an approved waste disposal plant

| HAZARD | HMIS | NFPA |
|------------|------|------|
| Toxicity | 0 | 0 |
| Fire | 1 | 1 |
| Reactivity | 0 | 0 |

Section 3: COMPOSITION AND INFORMATION ON INGREDIENTS

| No. | Component CAS REG.NO. | Amount % | OSHA | | ACGIH | |
|-----|-----------------------------------|----------|------|------|-------|------|
| | | | TWA | STEL | TWA | STEL |
| 1 | Polyethylene Glycol 25322-68-3 | 60-100 | - | - | - | - |

Section 4: FIRST AID MEASURES

Emergency first aid procedures by route of exposure:

Inhalation: If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

Ingestion: Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician. Do not induce vomiting without medical advice. If victim is conscious: keep at rest, do not leave the victim unattended, do not give anything to drink, vomiting may occur spontaneously, risk of product entering the lungs on vomiting after ingestion, lay victim on side.

Skin: Wash off with soap and plenty of water. Consult a physician.

Eyes: Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

Section 5: FIRE FIGHTING MEASURES

Flash Point: 149°C (300°F)

Auto-ignition Temperature: Not Listed

Lower Explosion Limit: Not Listed

Upper Explosion Limit: Not Listed

Flammability Classification: May burn if exposed to open flame

Suitable Extinguishing Media: Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Water spray, foam, carbon dioxide, multipurpose powders.

Unsuitable Extinguishing Media: High volume water jet.

Products of Combustion: Not Listed.

Specific Hazards Arising from the Chemical: This product is not flammable but may burn if subject to high temperatures or open flame for an extended period of time.

Fire Fighting Equipment/Instructions: As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. Do not use a solid water stream as it may scatter and spread fire. Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

Section 6: ACCIDENTAL RELEASE MEASURES

Personal Protection: Wear suitable protective equipment. Refer to Section 8

For Emergency Responders: Use personal protection recommended in Section 8.

Special Properties: Not Listed.

Environmental Precautions: Stop the leak. Turn leaking containers leak-side up to prevent the escape of liquid. Contain the spilled material by diking. Do not flush into surface water or sanitary sewer system. Take all necessary measures to avoid accidental discharge of products into drains and waterways due to the rupture of containers or transfer systems. Spills may be reportable to the National Response Center and to state and/or local agencies.

Method for Containment: Dike to collect large liquid spills. Stop leak if safe to do so.

Methods for Clean-up: Absorb with an inert material. Was nonrecoverable remainder with large amounts of water. Clean contaminated surface thoroughly. Recover the cleaning water for the subsequent disposal. Decontaminate tools, equipment, and personal protective equipment in a segregated area.

Section 7: HANDLING AND STORAGE

Handling: Handle in accordance with good industrial hygiene and safety practice. Ethylene oxide may collect in container head space. Provide adequate ventilation. Handle in accordance with good industrial hygiene and safety practice. Avoid inhalation of vapor or mist. Avoid contact with skin and eyes. Freezing will affect the physical condition but will not damage the material. Thaw and mix before using. Avoid localized overheating. Vent drums while heating. Mix thoroughly before using.

Storage: Keep containers tightly closed in a dry, cool, and well-ventilated place. No incompatible materials identified. Keep away from open flames, hot surfaces, and sources of ignition. Store below 120 °F.

Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls:

Showers, eyewash stations, and ventilation systems.

Exposure Guidelines: This product does not contain any hazardous materials with occupational exposure limits established by the region-specific regulatory bodies.

Personal Protective Equipment (PPE):

Respiratory Protection: In case of inadequate ventilation wear respiratory protection. When respirators are required, select NIOSH/MSHA approved equipment based on actual or potential airborne concentrations and in accordance with the appropriate regulatory standards and/or industrial recommendations. Under normal conditions, in the absence of other airborne contaminants, the following devices should provide protection from this material up to the conditions specified by the appropriate local standard(s): Respirator with filter for organic vapor.

Eye/Face Protection: Safety glasses with side-shields

Hand Protection: Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Body: Impervious clothing, the type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace

Other Protective Equipment: Not Listed.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Clear colorless liquid

Odor: Mild

Odor threshold: Not Listed

pH: 4.5-7.0 (5% aqueous)

Melting point/freezing point: -85 °F (-65 °C)

Initial boiling point and boiling range: 200°C (392°F)

Flash point: 149°C (300°F)

Evaporation rate: Not Listed
Flammability: May burn if exposed to open flame
Upper/lower flammability or explosive limit: Not Listed
Vapor pressure: < 0.008 mmHg (0.01 hPa) (68 °F (20 °C))
Vapor density: Not Listed
Density: 1.12 g/cm³ (68 °F (20 °C))
Solubility: Soluble
Partition coefficient: Not Listed
Auto-ignition temperature: Not Listed
Decomposition temperature: Not Listed
Viscosity, Dynamic: 4.384 – 4.833 mPa.S (212 °F (100 °C))
Viscosity, Kinematic: 24 mm²/s (104 °F (40 °C))
Specific Gravity: 1.12 @ 25°C (77°F)

Section 10: STABILITY AND REACTIVITY

Reactivity: Not Listed
Chemical stability: Stable under recommended storage conditions.
Possibility of hazardous reactions: None under normal processing.
Conditions to avoid: Extreme of temperature and direct sunlight. Keep away from sources of ignition, flames, and sparks.
Incompatible materials: Strong oxidizing agents.
Hazardous decomposition products: On combustion or on thermal decomposition Carbon oxides are released.

Section 11: TOXICOLOGICAL INFORMATION

Acute Toxicity: Product does not present an acute toxicity hazard based on published data for similar substances.

LD50 Oral: 28 g/kg (Rat)
LD50 Dermal: >20 ml/kg (Rabbit); >20 g/kg (Rabbit)
LC50 Inhalation: N/A

Skin Corrosion/Irritation: Not Listed.
Serious Eye Damage/Irritation: Not Listed.

Respiratory or Skin Sensitization: Not Listed.
Germ Cell Mutagenicity: Not Listed.

Carcinogenicity: This material is not classified as a carcinogen, mutagen, or reproductive toxin by IARC, OSHA, ACGIH, or NTP.

Reproductive Toxicity: Not Listed.

Specific Target Organ Toxicity (Single Exposure): Not Listed.
Specific Target Organ Toxicity (Repeated Exposure): Not Listed.

Aspiration Hazard: Not Listed.
Symptoms/Injuries After Inhalation: Not Listed
Symptoms/Injuries After Skin Contact: Not Listed
Symptoms/Injuries After Eye Contact: Not Listed
Symptoms/Injuries After Ingestion: Not Listed.

Signs and Symptoms of Exposure: Polyethylene glycol is essentially inert when taken orally unless very large amounts are ingested.

Additional Information: Not Listed.

Section 12: ECOLOGICAL INFORMATION

Toxicity: No known hazard.

| Chemical Name | Toxicity to Algae | Toxicity to Fish | Microtox | Daphnia Magna (Water Flea) |
|-----------------------------------|-------------------|------------------|------------------------------|----------------------------|
| Polyethylene glycol 25322-68-3 | - | - | EC50 = 100000 mg/L 15 min | - |

Persistence and degradability: Biodegradable

Bioaccumulative potential: Does not bioaccumulate.

Mobility in soil: Not Listed.

PBT and vPvB assessment: Not Listed

Other adverse effects: Not Listed

Toxic to aquatic life: Not Listed

Section 13: DISPOSAL CONSIDERATIONS

Product Disposal: Chemical additions, processing or otherwise altering this material may make the waste management information presented in this SDS incomplete, inaccurate, or otherwise inappropriate. Please be advised that state and local requirements for waste disposal may be more restrictive or otherwise different from federal laws and regulations. Consult state and local regulations regarding the proper disposal of this material.

Advice on Cleaning and Disposal of Packaging: Rinse with an appropriate solvent. Dispose of in accordance with local regulations.

Section 14: TRANSPORT INFORMATION

DOT

UN Number: Not Regulated

UN Proper Shipping Name: Not Regulated

Transport Hazard Class: Not Regulated

Packing Group: Not Regulated

Environmental Hazards: Not Regulated

IMDG/IMO:

UN Number: Not Regulated

UN Proper Shipping Name: Not Regulated

Transport Hazard Class: Not Regulated

Packing Group: Not Regulated

Environmental Hazards: Not Regulated

IATA/ICAO:

UN Number: Not Regulated

UN Proper Shipping Name: Not Regulated

Transport Hazard Class: Not Regulated

Packing Group: Not Regulated

Environmental Hazards: Not Regulated

Section 15: REGULATORY INFORMATION

International Inventories

TSCA: Listed on Inventory

DSL: Listed on Inventory

ENCS: Listed on Inventory

KECI: Listed on Inventory

AICS: Listed on Inventory

IECSC: Listed on Inventory

PICCS: Listed on Inventory

Legend

TSCA - *United States Toxic Substances Control Act Section 8(b) Inventory*

DSL/NDSL - *Canadian Domestic Substances List/Non-Domestic Substances List*

EINECS/ELINCS - *European Inventory of Existing Commercial Chemical Substances/EU List of Notified Chemical Substances*

ENCS - *Japan Existing and New Chemical Substances*

IECSC - *China Inventory of Existing Chemical Substances*

KECI - *Korean Existing Chemicals Inventory*

PICCS - *Philippines Inventory of Chemicals and Chemical Substances*

AICS - *Australian Inventory of Chemical Substances*

US Federal Regulations

SARA 313: Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

SARA 311/312 Hazard Categories

Acute Health Hazard: No

Chronic Health Hazard: No

Fire Hazard: No

Sudden Release of Pressure Hazard: No

Reactive Hazard: No

Clean Water Act: This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

CERCLA: This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

US State Regulations

California Proposition 65: This product may contain trace levels of chemicals known to the state of California to cause cancer and birth defects and reproductive harm: ethylene oxide (75-21-8), and 1,4-Dioxane (123-91-9).

US State Right to Know Regulations: This product does not contain any substances regulated by state right to know regulations.

Section 16: OTHER INFORMATION

THE INFORMATION ABOVE IS BELIEVED TO BE ACCURATE AND REPRESENTS THE BEST INFORMATION CURRENTLY AVAILABLE TO US. HOWEVER, WE MAKE NO WARRANTY OF MERCHANTABILITY OR ANY OTHER WARRANTY, EXPRESS OR IMPLIED, WITH RESPECT TO SUCH INFORMATION, AND WE ASSUME NO LIABILITY RESULTING FROM ITS USE. USERS SHOULD MAKE THEIR OWN INVESTIGATIONS TO DETERMINE THE SUITABILITY OF THE INFORMATION FOR THEIR PARTICULAR PURPOSES. IN NO WAY SHALL CHEMCEED BE LIABLE FOR ANY CLAIMS, LOSSES, OR DAMAGES OF ANY THIRD PARTY OR FOR LOST PROFITS OR ANY SPECIAL, INDIRECT, INCIDENTAL, CONSEQUENTIAL OR EXEMPLARY DAMAGES, HOWSOEVER ARISING, EVEN IF CHEMCEED HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES. A: C: ARM 8/16/2019 – 773/118