



Section 1. Product and Company Identification

**Product Name** Polyethylene Glycol 300 NF  
**CAS Number** 25322-68-3

**Parchem - fine & specialty chemicals**  
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Collect Calls Accepted

Section 2. Hazards Identification

**Classification of the substance or mixture**

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 Labeling of Chemicals (GHS).

**GHS Label Elements**

**Pictograms:** N/A

**Signal word:** N/A

**Hazard and precautionary statements**

None

Section 3. Composition / Information on Ingredients

**Common Name** Polyethylene Glycol 300 NF  
**Synonym(s)** PEG 300 NF; PEG-6  
**CAS Number** 25322-68-3

COMPONENT	CAS NUMBER	CONCENTRATION
Polyethylene Glycol 300 NF	25322-68-3	60 - 100%

Section 4. First Aid Measures

**Eye Contact:** IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

**Skin Contact:** IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.

**Inhalation:** IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

**Ingestion:** IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Contact a doctor/physician if exposed or you feel unwell.



**Most important symptoms and effects, both acute and delayed**

**Symptoms:** None identified.

**Indication of any immediate medical attention and special treatment needed**

**Notes to Physician:** Treat symptomatically.

Section 5. Firefighting Measures

**Suitable extinguishing media:** Use extinguishing measures appropriate to local circumstances and surrounding materials.

**Unsuitable extinguishing media:** None identified.

**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.

**Explosion Data**

**Sensitivity to Mechanical Impact:** None.

**Sensitivity to Static Discharge:** None.

**Protective equipment and precautions for firefighters:** As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

Section 6. Accidental Release Measures

**Personal precautions, protective equipment, and emergency procedures**

**Personal Precautions:** Refer to Section 8.

**For emergency responders** Use personal protection recommended in Section 8.

**Environmental precautions**

**Environmental precautions:** Avoid release to the environment.

**Methods and material for containment and cleaning up**

**Methods for Containment:** Dike to collect large liquid spills.

**Methods for Cleaning Up:** Absorb with an inert material.

Section 7. Handling and Storage

**Precautions for safe handling**

**Handling:** Handle in accordance with good industrial hygiene and safety practice



**Conditions for safe storage, including any incompatibilities**

**Storage:** Keep containers tightly closed in a dry, cool and well-ventilated place.

**Incompatible materials:** None identified.

Section 8. Exposure Controls / Personal Protection

**Control parameters**

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

**Appropriate engineering controls**

**Engineering Measures:** Safety Shower; Eyewash station; Ventilation system.

**Individual protection measures, such as personal protective equipment**

**Eye/Face Protection:** Safety glasses with side-shields.

**Skin and Body Protection:** Wear personal protective equipment as required.

**Respiratory Protection:** In case of inadequate ventilation wear respiratory protection.

**Hygiene Measures:** Handle in accordance with good industrial hygiene and safety practice.

Section 9. Physical and Chemical Properties

**Physical State:** Liquid

**Appearance:** Clear

**Odor:** Mild

**Color:** Colorless

**Odor threshold:** Not determined

**pH:** 4.5-7.5 5% aqueous

**Melting point/freezing point:** -11 °C

**Boiling point/boiling range:** Not determined

**Flash Point (Cleveland Closed Cup):** 196°C

**Evaporation Rate:** Not determined

**Flammability (solid, gas):** May burn if exposed to open flame

**Flammability Limit in Air:** Not determined

**Vapor pressure:** Not determined

**Vapor Density:** N/A

**Specific Gravity:** 1.13 @ 25°C

**Water Solubility:** Soluble

**Solubility in other solvents:** Not determined

**Partition coefficient:** Not determined

**Autoignition Temperature:** Not determined

**Decomposition temperature:** Not determined

**Kinematic viscosity:** Not determined

**Dynamic viscosity:** Not determined



Section 10. Stability and Reactivity

**Reactivity:** Not reactive

**Chemical stability:** Stable under recommended storage condition

**Possibility of Hazardous Reactions**

**Hazardous Reactions:** None under normal processing.

**Conditions to Avoid:** Extremes of temperature and direct sunlight

**Incompatible materials:** None identified.

**Hazardous Decomposition Products:** None identified

Section 11. Toxicological Information

**Information on likely routes of exposure**

**Product Information**

**Inhalation:** No known hazard.

**Eye contact:** Not irritating to eyes.

**Skin contact:** Not irritating to skin.

**Ingestion:** Polyethylene glycol is essentially inert when taken orally unless very large amounts are ingested.

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Polyethylene glycol (CAS# 25322-68-3)	= 22 g/kg ( Rat ) = 28 g/kg ( Rat )	> 20 g/kg ( Rabbit ) > 20 mL/kg (Rabbit)	-

**Information on Toxicological Effects**

**Symptoms:** No information available.

**Delayed and immediate effects as well as chronic effects from short and long-term exposure**

**Carcinogenicity:** This substance is not classified as a carcinogen by IARC, OSHA, ACGIH, or NTP.

**Chronic Toxicity:** No known hazard.

**Numerical measures of toxicity-Product Information:** Not determined



Section 12. Ecological Information

**Ecotoxicity:** No known hazard

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

**Persistence and degradability:** Biodegradable.

**Bioaccumulation/Accumulation:** Does not bioaccumulate

**Mobility:** No data available

Section 13. Disposal Considerations

**Waste Treatment Methods:** Dispose of product and contaminated packaging in accordance with all local, state, and federal environmental control regulations.

Section 14. Transport Information

**DOT:** Not regulated

**TDG:** Not regulated

**MEX:** Not regulated

Section 15. Regulatory Information

**International Inventories**

**TSCA:** Complies

**DSL:** Complies

**ENCS:** Complies

**KECL:** Complies

**AICS:** Complies

**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 Chemical Substances/European List of Notified Chemical Substances

**ENCS:** Japan Existing and New Chemical Substances

**IECSC:** China Inventory of Existing Chemical Substances

**KECL:** Korean Existing and Evaluated Chemical Substances

**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

**Clear 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

### HMIS Rating

**Health:** 0

**Flammability:** 1

**Reactivity:** 0

**Personal Protection:** A

### NFPA Rating

**Health:** 0

**Flammability:** 1

**Reactivity:** 0

**Special Precautions:** N/A



Section 16. Other Information

**Disclaimer:** The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product.

REVISION DATE: 1/25/2017

