

**MATERIAL SAFETY DATA SHEET**

Product Name: Polyethylene glycol 200

CAS No.: 25322-68-3

Version: 0

**1. Identification**

**Product Code** : 90492  
**Company Name** : Advent Chembio Private Limited  
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**2. Composition/Information on Ingredients**

Ingredient	CAS No	Percent
POLYETHLENE GLYCOL	25322-68-3	99-100 %

**3. Hazards Identification**

**Hazard classification** : Not classified  
**OSHA hazard(s)** : Combustible dust  
**Labels elements**  
**Hazard symbol** : No symbol  
**Signal word** : No signal word.  
**Hazard statement** : Not Applicable  
**Precautionary statement** : Not Applicable  
**Other hazards which do not result in GHS classification** : None.

**4. First Aid Measures**

**General information** : Get medical advice/attention if you feel unwell. If medical advice is needed, have product container or label at hand. Show this safety data sheet to the doctor in attendance.

**Ingestion** : Rinse mouth thoroughly. Call a POISON CENTER or doctor/physician if you feel unwell .

**Inhalation** : Move to fresh air. Get medical attention if symptoms occur.

**Skin contact** : Wash skin thoroughly with soap and water. Get medical attention if irritation persists after washing. Wash contaminated clothing before reuse.

**Eye contact** : Flush thoroughly with water. If irritation occurs, get medical assistance.

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- Most important symptoms/effects, acute and delayed** : May cause skin and eye irritation.
- Indication of immediate medical attention and special treatment needed** : Treat symptomatically. Symptoms may be delayed.

**5. Fire fighting measures**

**General fire hazards** : May burn, but does not ignite readily.

**Suitable (and unsuitable) extinguishing media**

**Suitable extinguishing media** : Water spray, fog, CO<sub>2</sub>, dry chemical, or alcohol resistant foam.

**Unsuitable extinguishing media** : Avoid water in straight hose stream; will scatter and spread fire.

**Specific hazards arising from the chemical** : Fire or excessive heat may result in rupture of container due to release of significant amounts of gases. Dust may form explosive mixture with air.

**Special protective equipment and precautions for firefighters**

**Special fire fighting procedures** : Move containers from fire area if you can do so without risk. Use water spray to keep fire-exposed containers cool.

**Special protective equipment for fire-fighters** : Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA .

**6. Accidental Release Measures**

**Personal precautions, protective equipment and emergency procedures** : Keep unauthorized personnel away. Use personal protective equipment.

**Methods and material for containment and cleaning up** : Absorb spill with vermiculite or other inert material, then place in a container for chemical waste. Clean surface thoroughly to remove residual contamination.

**Notification Procedures** : Inform authorities if large amounts are involved. Prevent runoff from entering drains, sewers, or streams.

**Environmental precautions** : Prevent further leakage or spillage if safe to do so. Avoid discharge into drains, water courses or onto the ground.

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**7. Handling and Storage**

- Precautions for safe handling** : Use personal protective equipment as required. Avoid contact with eyes, skin, and clothing. Avoid inhalation of dust. Wash thoroughly after handling.
- Conditions for safe storage, including any incompatibilities** : Keep containers tightly closed. Store in cool, dry place. Store in a well-ventilated place.

**8. Exposure Controls Personal Protection****Control parameters**

Occupational exposure limits : None of the components have assigned exposure limits.

**Appropriate engineering controls** : No data available.

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

**General information** : Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. An eye wash and safety shower must be available in the immediate work area.

**Eye/face protection** : Wear safety glasses with side shields (or goggles).

**Hand protection** : Use suitable protective gloves if risk of skin contact.

**Other** : Wear suitable protective clothing.

**Respiratory protection** : In case of inadequate ventilation use suitable respirator.

**Hygiene measures** : Provide eyewash station and safety shower. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing to remove contaminants. Discard contaminated footwear that cannot be cleaned .

**9. Physical and Chemical Properties**

**Appearance** : White Solid Flakes or Powder .

**Odor** : Mild

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

**Melting point/freezing point** : 53 °C

**Initial boiling point and boiling range** : > 200 °C Decomposes

**Flash Point** : 246 °C

**Vapor pressure** : < 0.01 kPa (20 °C)

**Vapor density** : No data available

**Relative density** : 1.15 (20 °C)

**Solubility in water** : Soluble

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**Solubility (other)** : No data available.  
**Formula** :  $\text{OH}(\text{C}_2\text{H}_4\text{O})_n\text{H}$   
**Molecular Weight** : N/A

**10. Stability and Reactivity**

**Reactivity** : No dangerous reaction known under conditions of normal use.  
**Chemical stability** : Material is stable under normal conditions.  
**Possibility of hazardous reactions** : Hazardous polymerization does not occur.  
**Conditions to avoid** : Heat, sparks, flames. Excessive heat. Contact with incompatible materials.  
**Incompatible materials** : Strong acids. Strong bases. Strong oxidizing agents.  
**Hazardous decomposition products** : Thermal decomposition may release oxides of carbon.

**11. Toxicological Information****Information on likely routes of exposure**

**Ingestion** : Expected to be a low ingestion hazard.  
**Inhalation** : No adverse effects are expected.  
**Skin contact** : May cause irritation.  
**Eye contact** : May irritate eyes.

**Information on toxicological effects****Acute toxicity (list all possible routes of exposure)**

**Oral Product** : LD 50 (Rat): > 10,000 mg/kg  
**Dermal Product** : LD 50 (Rabbit): > 20,000 mg/kg  
**Inhalation Product** : No data available  
**Repeated dose toxicity Product** : No data available.  
**Skin corrosion/irritation Product** : May cause skin irritation.  
**Serious eye damage/eye irritation Product** : May irritate eyes.  
**Respiratory or skin sensitization Product** : Not a skin sensitizer.  
**Carcinogenicity Product** : This substance has no evidence of carcinogenic properties.  
**IARC Monographs on the Evaluation of Carcinogenic Risks to Humans DIOXANE** : No carcinogenic components identified.  
**US. National Toxicology Program (NTP) Report on Carcinogens DIOXANE** : No carcinogenic components identified.

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<b>US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)</b>	:	No carcinogenic components identified.
<b>Germ cell mutagenicity</b>	:	
<b>In vitro Product</b>	:	No mutagenic components identified.
<b>In vivo Product</b>	:	No mutagenic components identified.
<b>Reproductive toxicity Product</b>	:	No components toxic to reproduction.
<b>Specific target organ toxicity - single exposure Product</b>	:	No data available.
<b>Specific target organ toxicity - repeated exposure Product</b>	:	No data available.
<b>Aspiration hazard Product</b>	:	Not classified.
<b>Other effects</b>	:	None known.

**12. Ecological Information****Ecotoxicity****Acute hazards to the aquatic environment :**

**Fish Product** : LC 50 (Fathead minnow (*Pimephales promelas*), 96 h): > 10,000 mg/l

**Aquatic invertebrates Product** : LC 50 (Water flea (*Daphnia magna*), 48 h): > 10,000 mg/l

**Chronic hazards to the aquatic environment :**

**Fish Product** : No data available.

**Aquatic invertebrates Product** : No data available.

**Toxicity to Aquatic Plants Product:** : No data available.

**Persistence and degradability**

**Biodegradation Product** : The product is not readily biodegradable.

**BOD/COD ratio Product** : No data available.

**Bioaccumulative potential**

**Bioconcentration factor (BCF) Product** : No data available on bioaccumulation.

**Partition coefficient n-octanol / water (log Kow) Product** : No data available.

**Mobility in soil** : No data available.

**Other adverse effects** : The product components are not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

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### 13. Disposal consideration

- Disposal instructions** : Discharge, treatment, or disposal may be subject to national, state, or local laws.
- Contaminated packaging** : Since emptied containers retain product residue, follow label warnings even after container is emptied.

### 14. Transport Information

	UN No.	UN proper shipping name	Hazard Class(es)	Packaging group	Marine Pollutant
<b>DOT</b>			Not regulated.		
<b>IMDG</b>			Not regulated.		
<b>IATA</b>			Not regulated.		

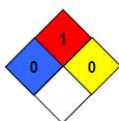
### 15. Regulatory Information

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

Safety, health and environmental regulations/legislation specific for the substance or mixture  
No Data Available.

### 16. Other Information

#### NFPA Hazard ID



■ Flammability  
■ Health  
■ Reactivity  
 Special hazard.

Hazard rating: 0 - Minimal; 1 - Slight; 2 - Moderate; 3 - Serious; 4 - Severe

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