

## 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Name:** Polyethylene Glycol 200 (PEG 200) - Technical Grade

**Synonyms:** polyethylene glycol, Polyethylene Glycol 200 (PEG 200)

**CAS Number:** 25322-68-3

**Grade/Purity:** Technical

**Product Type:** Glycols

**Product Use:** Industrial, Manufacturing or Laboratory use

**Manufacturer/Supplier:** Alliance Chemical, 204 South Edmond St, Taylor, Texas 76574

**Information:** 512-365-6838 | [www.alliancechemical.com](http://www.alliancechemical.com)

**Emergency:** CHEMTEL - 800-255-3924 (24 Hours/Day, 7 Days/Week)

## 2. HAZARDS IDENTIFICATION

**Signal Word:**

**GHS Pictograms:**

None assigned

**Hazard Statements:**

|     |                                                            |
|-----|------------------------------------------------------------|
| Not | classified as hazardous under GHS based on available data. |
|-----|------------------------------------------------------------|

**Precautionary Statements:**

|     |                                                          |
|-----|----------------------------------------------------------|
| See | SDS for complete handling and precautionary information. |
|-----|----------------------------------------------------------|

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

| COMPONENT                            | % MIN                                  | % MAX                                  | CAS #      | EINECS# /<br>ELINCS# | FORMULA                                        | MOLECULAR<br>WEIGHT |
|--------------------------------------|----------------------------------------|----------------------------------------|------------|----------------------|------------------------------------------------|---------------------|
| Polyethylene Glycol<br>200 (PEG 200) | Technical grade<br>(see specification) | Technical grade<br>(see specification) | 25322-68-3 | 500-038-2            | $\text{H}(\text{OCH}_2\text{CH}_2)_n\text{OH}$ | 200 g/mol           |

## 4. FIRST-AID MEASURES

|            |                                                                                                                                                                                        |
|------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Eyes       | Rinse with plenty of water for at least 15 minutes. Remove contact lenses if present and easy to do. Continue rinsing. Seek medical attention immediately.                             |
| Skin       | Immediately flush with plenty of water for at least 15 minutes while removing contaminated clothing. Wash with soap. Get medical attention immediately.                                |
| Inhalation | Move person to fresh air and keep comfortable for breathing. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Get medical attention immediately. |
| Ingestion  | Do Not Induce Vomiting! Never give anything by mouth to an unconscious person. If conscious, wash out mouth with water. Get medical attention immediately.                             |

## 5. FIRE-FIGHTING MEASURES

|                      |                                                                                                                              |
|----------------------|------------------------------------------------------------------------------------------------------------------------------|
| Suitable Media       | Use water spray, alcohol-resistant foam, dry chemical, or CO <sub>2</sub> . Use measures appropriate to local circumstances. |
| Unsuitable Media     | Do not use a solid water stream as it may scatter and spread fire.                                                           |
| Protective Equipment | Wear self-contained breathing apparatus and full protective clothing.                                                        |
| Combustion Products  | May include carbon oxides and other toxic fumes. See Section 10.                                                             |

## 6. ACCIDENTAL RELEASE MEASURES

|                       |                                                                                                         |
|-----------------------|---------------------------------------------------------------------------------------------------------|
| Personal Precautions  | Use PPE as described in Section 8. Ensure adequate ventilation. Evacuate personnel to safe areas.       |
| Environmental         | Prevent leakage or spillage from entering drains, sewers, or waterways.                                 |
| Containment & Cleanup | Absorb with inert material. Collect in appropriate waste container. Dispose per applicable regulations. |

## 7. HANDLING AND STORAGE

|               |                                                                                                                                                    |
|---------------|----------------------------------------------------------------------------------------------------------------------------------------------------|
| Safe Handling | Use with adequate ventilation. Avoid contact with skin, eyes, and clothing. Wash thoroughly after handling. Keep container closed when not in use. |
| Safe Storage  | Store in a cool, dry, well-ventilated area. Keep away from incompatible materials (see Section 10). Keep containers tightly closed.                |

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Engineering Controls:** Use adequate ventilation. Provide eyewash stations and quick-drench showers accessible to areas of use.

**Occupational Exposure Limits:**

No established occupational exposure limits.

|            |                                                                                     |
|------------|-------------------------------------------------------------------------------------|
| Eyes       | Wear chemical safety goggles or face shield.                                        |
| Skin       | Wear chemical-resistant gloves and protective clothing.                             |
| Inhalation | Use NIOSH-approved respirator if exposure limits are exceeded or irritation occurs. |

## 9. PHYSICAL AND CHEMICAL PROPERTIES

|                            |                                                |
|----------------------------|------------------------------------------------|
| Appearance                 | Clear viscous liquid, pale transparent fluid   |
| Odor                       | Characteristic                                 |
| Median Particle Size       | Not Applicable                                 |
| Particle Size Distribution | Not Applicable                                 |
| Particle Shape             | Not Applicable                                 |
| Surface Area               | Not Applicable                                 |
| Dustiness                  | Not Applicable                                 |
| Hygroscopicity             | Not Applicable                                 |
| pH                         | Not Available                                  |
| Melting Point              | 4°C (39°F)                                     |
| Boiling Point              | 287°C (549°F)                                  |
| Flash Point                | 232°C (450°F)                                  |
| Vapor Pressure             | Not Available                                  |
| Specific Gravity           | 1.126                                          |
| Solubility                 | Highly soluble in water, most organic solvents |
| Molecular Formula          | $\text{H}(\text{OCH}_2\text{CH}_2)_n\text{OH}$ |
| Molecular Weight           | 200 g/mol                                      |

## 10. STABILITY AND REACTIVITY

|                        |                                                                               |
|------------------------|-------------------------------------------------------------------------------|
| Chemical Stability     | Stable under recommended storage conditions.                                  |
| Hazardous Reactions    | None under normal processing conditions.                                      |
| Conditions to Avoid    | Heat, sparks, open flame, and incompatible materials.                         |
| Incompatible Materials | Strong oxidizing agents, strong acids, strong bases.                          |
| Decomposition Products | May produce carbon oxides and other toxic fumes when heated to decomposition. |

## 11. TOXICOLOGICAL INFORMATION

**Acute Toxicity:** See Section 2 for GHS hazard classification.

|             |                           |
|-------------|---------------------------|
| <b>IARC</b> | Not listed as carcinogen. |
| <b>NTP</b>  | Not listed as carcinogen. |
| <b>OSHA</b> | Not listed as carcinogen. |

## 12. ECOLOGICAL INFORMATION

|                         |                                                                                                              |
|-------------------------|--------------------------------------------------------------------------------------------------------------|
| <b>Ecotoxicity</b>      | Fish LC50: < 500 mg/L (96 h, <i>Leuciscus idus</i> (golden orfe))                                            |
| <b>Persistence</b>      | Readily biodegradable (>90%, aerobic, 28 d) — note: PEG 200 low-MW grade; higher-MW PEGs degrade more slowly |
| <b>Bioaccumulation</b>  | Not Available                                                                                                |
| <b>Mobility in Soil</b> | Not Available                                                                                                |

## 13. DISPOSAL CONSIDERATIONS

Dispose of contents/container in accordance with applicable federal, state, and local regulations. Do not dispose of into drains or waterways.

## 14. TRANSPORT INFORMATION

|                         |                                   |
|-------------------------|-----------------------------------|
| <b>US DOT</b>           | Not regulated as dangerous goods. |
| <b>IMDG</b>             | Not regulated as dangerous goods. |
| <b>IATA/ICAO</b>        | Not regulated as dangerous goods. |
| <b>Marine Pollutant</b> | No                                |

## 15. REGULATORY INFORMATION

|                                                                                                                       |                                           |
|-----------------------------------------------------------------------------------------------------------------------|-------------------------------------------|
| Regulatory listings not yet on file in this system; consult OSHA, EPA TSCA, EPCRA TRI, and California OEHHA directly. |                                           |
| <b>SARA 311/312</b>                                                                                                   | See Section 2 for hazard classifications. |

## 16. OTHER INFORMATION

**Revision Date:** 07/21/2026

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