



Section 1. Product and Company Identification

**Product Name** Hexaglycerol  
**CAS Number** 36675-34-0

**Parchem - fine & specialty chemicals**  
**415 Huguenot Street**  
**New Rochelle, NY 10801**  
☎ (914) 654-6800 📠 (914) 654-6899  
🌐 [parchem.com](http://parchem.com) ✉ [info@parchem.com](mailto:info@parchem.com)

EMERGENCY RESPONSE NUMBER  
CHEMTEL  
Toll Free US & Canada: 1 (800) 255-3924  
All other Origins: 1 (813) 248-0585  
Collect Calls Accepted

Section 2. Hazards Identification

**Classification of the substance or mixture**

**European Regulation (EC) 1272/2008, as amended:** Not classified as hazardous.

**European Regulation 67/548/CEE or 1999/45/EC, as amended:** Not classified as hazardous.

**GHS Label Elements**

**Pictograms:** N/A

**Signal word:** N/A

**Hazard and precautionary statements**

None

**Other dangers:** None

Section 3. Composition / Information on Ingredients

**Common Name** Hexaglycerol  
**Synonym(s)** Polyglyceryl-6; Hexaglycerin  
**Formula**  $\text{HO}(\text{C}_3\text{H}_6\text{O})_x\text{H}$   
**CAS Number** 36675-34-0

COMPONENT	CAS NUMBER	CONCENTRATION
Tetraglycerol and higher	56491-53-3	≥ 50%
Hexaglycerol and higher	36675-34-0	≥ 20%
Diglycerol	59113-36-9	≤ 10%
Glycerol	56-81-5	≤ 1%

Section 4. First Aid Measures

**General:** In all cases of doubt, or when symptoms persist, seek medical attention.

**Inhalation:** Move to fresh air. If symptoms persist, call a physician.

**Skin contact:** Remove contaminated clothing and shoes. Seek medical advice if irritation develops. Launder clothes before re-use. After contact with skin, wash immediately with soap and water.

**Eye contact:** Rinse thoroughly with plenty of water, also under the eyelids. Seek medical advice if irritation develops.

**Ingestion:** If swallowed, rinse mouth with water. Do not induce vomiting.

#### Section 5. Firefighting Measures

##### **Extinguishing media**

**Suitable extinguishing media:** Powder, foam, carbon dioxide, water, water spray.

**Unsuitable extinguishing media:** No restriction.

**Specific hazard arising from the chemical:** Combustible material. Hazardous decomposition products formed under fire conditions. Vapors may form explosive mixture with air.

**Special protective action for firefighters:** Evacuate all non-essential personnel. Wear self-contained breathing apparatus when in close proximity or in confined spaces.

#### Section 6. Accidental Release Measures

**Personal precautions:** Usual precautions for handling chemicals should be observed.

**Environmental precautions:** Should not be released into the environment.

**Methods and materials for containment and cleaning up:** Collect as much as possible in a clean and properly labelled container for (preferable) reuse or disposal.

#### Section 7. Handling and Storage

**Precautions for safe handling:** Usual precautions for handling chemicals should be observed. Ensure adequate ventilation.

##### **Conditions of storage including incompatibilities**

**Storage requirements:** Store in a well ventilated place. Keep in properly labelled containers. Keep away from heat/open flames/hot surfaces. Keep away from incompatible products.

#### Section 8. Exposure Controls / Personal Protection

##### **Control parameters**

**Exposure limit values:** US ACGIH threshold limit values, none established

##### **Exposure controls**

**Appropriate engineering controls:** Usual precautionary measures for handling chemicals should be observed.

#### Individual protection measures

**Respiratory protection:** No special respiratory protection equipment is recommended under normal conditions of use with adequate ventilation.

**Hand protection:** Use chemical-resistant gloves.

**Eye protection:** Wear goggles.

**Skin and body protection:** Long sleeved clothing.

**Other information:** Usual precautions for handling chemicals should be observed.

**Environmental exposure controls:** Dispose of rinse water in accordance with local and national regulations.

#### Section 9. Physical and Chemical Properties

**Appearance (20°C):** Syrupy liquid

**Odor:** Odorless

**Color:** Yellowish

**pH value/range:** no data available

**Melting point/range:** no data available

**Boiling point/range:** 711.9°C at 760 mmHg

**Flash point:** 384.4°C

**Evaporation rate:** no data available

**Flammability (solid, gas):** not applicable

**Flammability:** not flammable

**Explosion limits:** no data available

**Vapor pressure (20°C):** < 1hPa

**Vapor density:** no data available

**Density (20°C):** 1.361 kg/dm<sup>3</sup>

**Solubility:** no data available

**Partition coefficient n-octanol-water:** log Pow -1.76

**Auto-ignition temperature:** no data available

**Decomposition temperature:** no data available

**Viscosity:** No data available

**Explosive properties:** none known

**Oxidizing properties:** none known

#### Section 10. Stability and Reactivity

**Reactivity:** Stable under normal operational procedure.

**Chemical stability:** No decomposition if stored and handled properly.

**Possible dangerous reactions:** Explosive when mixed with oxidizing substances.

**Conditions to avoid:** Heat, flames and sparks.

**Materials to avoid:** Avoid contact with strong oxidizing agents and strong acids.

**Hazardous decomposition products:** Carbon monoxide.



Section 11. Toxicological Information

**Information about toxicological effects**

**Acute toxicity:** DL50/oral/rat > 2000 mg/kg

**Irritation:** Skin Mildly irritating (Lit.). Eye Mildly irritating (Lit.)

Section 12. Ecological Information

**Toxicity**

**Fishes, *Poecilia reticulata*:** 96h, LC50 > 1.000 mg/l

**Crustaceans, *Daphnia magna*:** 48h, LC50 > 10.000 mg/l

**Algae *Selenastrum capricornutum*:** 96h, EC50 > 1.000 mg/l

**Persistence and degradability:** Readily biodegradable.

**Bioaccumulative potential:** No suspected bioaccumulation.

**Mobility Low:** potential for sorption to soil.

**Other adverse effects:** 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

Not regulated for transport

Section 15. Regulatory Information

**Applicable laws or regulations:** This product is not dangerous according to EU Regulations (67/548/EEC - 88/379/EEC)

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.

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