

# POLYGLYCERYL OLEATE

## Material Safety Data Sheet (MSDS)

### 1. PRODUCT IDENTIFICATION

**Product Name:** Polyglyceryl Oleate  
**Chemical Name:** Tetraglyceryl monooleate  
**UPAC Name:** 1,2,3-Propanetriol, homopolymer, (Z)-, 9-octadecenoate  
**INCI Name:** Polyglyceryl-4 Oleate  
**CAS Number:** 9007-48-1 / 71012-10-7  
**EINECS Number:**

### 2. PHYSICAL & CHEMICAL PROPERTIES

**Boiling Point:** > 300° F  
**Specific Gravity, H2O=1:** 0.99  
**Vapor Pressure, mmHg:** < 1  
**Vapor Density, Air=1:** > 1  
**Saponification Value:** 136 - 146  
**Evaporation Rate:** not determined  
**Solubility in Water:** dispersible  
**Appearance & Odor:** yellow to amber, bland odor

### 3. STABILITY & REACTIVITY

**General:** This product is stable and hazardous polymerization will not occur  
**Incompatible Materials to Avoid:** Strong oxidizing agents  
**Hazardous Decomposition Products:** Combustion produces carbon monoxide, carbon dioxide

### 4. HANDLING & STORAGE

Store in closed containers between 50°F and 120°F protected from humidity. Keep away from oxidizing agents, excessive heat, and ignition sources. Store and use in well ventilated areas. Do not store or use near heat, spark, or flames; also store out of sun. Do not puncture, drag, or slide this container. Drum is not pressure vessel; never use pressure to empty.

### 5. ACCIDENTAL RELEASE MEASURES

**Spill Clean-up Procedures:** Use absorbent material and contain. Wash spill area.

### 6. EXPOSURE CONTROLS & PERSONAL PROTECTION

**Respiratory Protection:** None should be needed.  
**Protective Clothing:** Safety glasses, goggles, or face shield recommended to protect eyes from mists or splashing. Rubber gloves, apron and boots to prevent contact.  
**Other Protective Measures:** Employees must practice good personal hygiene, washing exposed areas of skin several times daily and laundering contaminated clothing before re-use.

### 7. HAZARDS IDENTIFICATION

**Inhalation:** Not applicable.

**Eye Contact:** Not expected.  
**Skin Contact:** Not expected.  
**Ingestion:** No hazards anticipated from ingestion incidental to industrial exposure.

### 8. FIRST AID MEASURES

**Eyes:** flush eyes, seek medical attention if irritation persists.  
**Skin:** Wash exposed areas of the body with soap and water.  
**Inhalation:** Not expected.  
**Ingestion:** Not expected. Contact local poison control center for

### 9. FIRE FIGHTING MEASURES

**Flash Point:** not determined  
**Flammability Limits:** None known  
**Extinguishing Media:** Dry chemical, foam, halon, CO<sub>2</sub>, water spray. Water stream may splash burning liquid and spread fire.  
**Special Fire Fighting Procedures:** Use water spray to cool drums exposed to fire.  
**Unusual Fire & Explosion Hazards:** Firefighters should use self-contained breathing apparatus to avoid exposure to smoke & vapor.

### 10. REGULATORY INFORMATION

**OSHA Status:** This product is not hazardous under the criteria of the Federal OSHA Hazard Communication Standard 29 CFR 1910.1200. However, thermal processing and decomposition fumes from this product may be hazardous as noted in Section 7.  
**TSCA Status:** The components of this product are listed on TSCA

### 11. DISPOSAL CONSIDERATIONS

Storage and disposal must be in accordance with applicable local, state & federal disposal regulations. Compliance with applicable laws are the responsibility solely of the generator.

### 12. TRANSPORT INFORMATION

**UN Hazard Class:** n/a  
**NFPA Codes:** Health 1, Fire 1, Reactivity 1

### 13. DISCLAIMER

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any other process. Such information is to be the best of the company's knowledge and believed accurate and reliable as of the date indicated. However, no representation, warranty or guarantee of any kind, express or implied, is made as to its accuracy, reliability or completeness and we assume no responsibility for any loss, damage or expense, direct or consequential, arising out of use. It is the user's responsibility to satisfy himself as to the suitability & completeness of such information for his own particular use.