

Polyglyceryl Oleate

Material Safety Data Sheet

(updated 2-20-2015)

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

Product Name: Polyglyceryl Oleate

INCI Name: Polyglyceryl-4 oleate

CAS Number: 9007-48-1

Chemical Name:

Company Name: MakingCosmetics Inc.

Company Address: 35318 SE Center Street, Snoqualmie WA 98065, Phone 425-292-9502

SECTION 2 – COMPOSITION/INFORMATION ON INGREDIENTS

COMMON CHEMICAL NAME: TRIGLYCEROL MONOOLEATE

| Chemical Name: | CAS Number | Amount |
|---|------------|----------|
| 1,2,3-PROPANETRIOL, HOMOP PEGL/TLV NOT ESTABLISHED | 9007-48-1 | ~100.0 % |

SECTION 3 – HAZARD IDENTIFICATION

Emergency overview:

CAUTION: May cause eye, skin and respiratory tract irritation. Ingestion may cause gastric disturbances.

Use with local exhaust ventilation.

Wear a NIOSH-certified (or equivalent) organic vapour/particulate respirator.

Wear NIOSH-certified chemical goggles.

Wear protective clothing.

Wear chemical resistant protective gloves.

Avoid contact with skin, eyes and clothing.

Eye wash fountains and safety showers must be easily accessible.

Potential Health Effects:

Primary routes of exposure

Routes of entry for solids and liquids include eye and skin contact, ingestion and inhalation. Routes of entry for gases include inhalation and eye contact. Skin contact may be a route of entry for liquefied gases.

Medical conditions aggravated by overexposure:

Date available does not indicate that there are medical conditions that are generally recognized as being aggravated by exposure to this substance/product.

SECTION 4 – FIRST AID MEASURES

General advice:

Remove contaminated clothing.

If inhaled:

If difficulties occur after dust has been inhaled, remove to fresh air and seek medical attention.

If on skin:

Wash thoroughly with soap and water. If irritation develops, seek medical attention.

If in eyes:

Wash affected eyes for at least 15 minutes under running water with eyelids held open. Seek medical attention.

If swallowed:

Rinse mouth and then drink plenty of water. Do not induce vomiting. Immediate medical attention required.

Note to Physician:

Treat according to symptoms (decontamination, vital functions), no known specific antidote.

SECTION 5 – FIRE-FIGHTING MEASURES

Flash point: >149 Degrees C (ASTM D93)

Suitable extinguishing media:

Dry extinguishing media, foam.

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Unsuitable extinguishing media for safety reasons: Carbon dioxide
 Additional information: Avoid whirling up the material/product because of the danger of dust explosion.
 Hazards during fire-fighting: Harmful vapors. Evolution of fumes/fog. The substances/groups of substances mentioned can be released in case of fire.
 Protective equipment for fire-fighting: Firefighters should be equipped with self-contained apparatus and turn-out gear.
 Further information: Dusty conditions may ignite explosively in the presence of an ignition source causing flash fire.

NFPA Hazard codes:
 Health: 1 Fire: 1 Reactivity: 0 Special:

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Personal precautions: Avoid dust formation. Use personal protective clothing.
 Environmental precautions: Contain contaminated water/firefighting water. Do not discharge into drains/surface waters/underground.
 Cleanup: Avoid raising dust.
 For small amounts: Pick up with suitable appliance and dispose of.
 For large amounts: Contain with dust binding material and dispose of.

SECTION 7 – HANDLING AND STORAGE

Handling:
 General Advice: Closed containers should only be opened in well-ventilated areas. Protection against the fire and explosion: Avoid dust formation. Take precautionary measures against static discharges.
Storage:
 General Advice: Keep container tightly close and dry; store in a cool place.

SECTION 8 – PHYSICAL CONTROLS AND PERSONAL PROTECTION

Advice on system design: Provide local exhaust ventilation to control vapours/mists.
Personal protective equipment:
 Respiratory protection: Wear a NIOSH-certified (or equivalent) organic vapour/particulate respirator.
 Hand protection: Chemical resistant protective gloves
 Eye protection: Tightly fitting safety goggles (chemical goggles)
 General safety and hygiene measures: Wear protective clothing to minimize contact. Handle in accordance with good industrial hygiene and safety practice. Keep away from food, drink and animal feeding stuffs. Avoid contact with skin and eyes. Remove contaminated clothing.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Form: liquid
 Odor: ester-like
 Color: amber
 pH Value: No data available
 Boiling point: >149 Degrees C (1,013 hPa)
 Vapour pressure: <1.3 hPa (25 Degrees C)
 Density: 0.99 g/cm3 (25 Degrees C)
 Relative density: 0.99 (25 Degrees C)
 % volatiles: <1%
 Soluble in Water: Dispersible

SECTION 10 – STABILITY AND REACTIVITY

Substances to avoid: strong oxidizing agents
 Hazardous reactions: The product may contain explosive fine dust or such dust may be produced by abrasion during transport or product transfer.
 Decomposition products: No hazardous decomposition products known.
 Corrosion to metals: No corrosive effect on metal.

SECTION 11 – TOXICOLOGICAL INFORMATION

Acute toxicity
 Oral: LD50/rat: >2,000 mg/kg (OECD Guideline 401)
 Limit concentration test only (LIMIT test)

Skin irritation:
Non-irritant (OECD Guideline 404)
Eye irritation (OECD Guideline 405)

Chronic Toxicity

Other information:

The product has not been tested. The statement has been derived from products of similar structure and composition.

SECTION 12 – ECOLOGICAL INFORMATION

Environmental fate and transport

Biodegradation:

Test method: OECD 301B; ISO 9439; 92/69/eec, c.4-c, activated sludge, domestic

Method of analysis: CO₂ formation relative to the theoretical value

Degree of elimination: >60% (28 d)

Evaluation: Readily biodegradable.

Environmental toxicity

Acute and prolonged toxicity to fish:

DIN 38412 Part 15 golden orfe/LC50 (96 h): >100 mg/l

Toxicity to microorganisms:

OECD Guideline 209 activated sludge, domestic/EC20 (180 min): >1,000 mg/l

Nominal concentration

Other Eco toxicological advice:

The product has not been tested. The statement has been derived from products of a similar structure and composition.

SECTION 13 – DISPOSAL CONSIDERATIONS

Waste disposal of substance:

Do not discharge into drains/surface waters/groundwater.

Dispose of in accordance with national, state and local regulations.

Container disposal:

Dispose of in accordance with national, state and local regulations. Recommend crushing, puncturing or others means to prevent unauthorized use of used containers.

SECTION 14 – TRANSPORTATION INFORMATION

Land transport

USDOT Not classified as a dangerous good under transport regulations

Sea transport

IMDG Not classified as a dangerous good under transport regulations

Air transport

IATA/CAO Not classified as a dangerous good under transport regulations

SECTION 15 – REGULATORY INFORMATION

Federal Regulations

Registration status:

TSCA, US released/listed

OSHA hazard category: not hazardous

SARA hazard categories (EPCRA 311/312): not hazardous

SECTION 16 – OTHER INFORMATION

HMIS III rating

Health: 1 Flammability: 1 Physical Hazard: 0

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.