

SAFETY DATA SHEET



Product name: PolyOil - all grades & colors

MSDS number:

Revision date: 1/13/2017

Revision number: 1

Issuing date: 6/1/2015

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING

Product name: PolyOil

This SDS applied to lubricating gel produced by GenPore, a division of the General Polymeric Corporation.

Color Code(s): Natural

Manufacturer's details:

GenPore

PO Box 380

1136 Morgantown Rd

Reading, PA 19607

USA

Product Information

sales@genpore.com

Emergency telephone numbers: 610-374-5171

Synonyms:

Polyethylene Gel, PolyOil

Identified uses:

Lubricant

2. HAZARDS IDENTIFICATION

Chronic aquatic toxicant: Category 3

H412: Harmful to aquatic life with long lasting effects

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical characterization: High molecular weight polyethylene (HMWPE); Ultra high molecular weight polyethylene (UHMWPE), Ethylene, polymer CAS-RN. Basic polymeric: 9002-88-4; Mobiltemp SHC 100

4. FIRST AID MEASURES

Skin

No hazard

Eyes

Immediately flush eyes with water. Call a physician if irritation persists

Inhalation

Get medical attention if symptoms occur

Ingestion

If swallowed, do not induce vomiting – seek medical advice

Notes to physician:

This product is essentially inert and nontoxic. However, if it is heated at too high a temperature or if it is burned, gases may be released. Patients who have been exposed to off-gases may need to have their arterial blood gases and carboxyhemoglobin level checked. If carboxyhemoglobin level are normal, asphyxia (carbon dioxide replacing oxygen) is a possibility. As with any fire, irritant gases may have formed. If patients may have inhaled high concentrations of irritating fumes, they should be monitored for delayed onset pulmonary edema.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media

Water fog, Foam, Dry powder

Extinguishing media which must not be used for safety reasons

Water

Special exposure hazards arising from the substance or preparation itself, its combustion products, or released gases

Carbon monoxide, Carbon dioxide (CO₂), Sulphur oxides, Aldehydes

Special protective equipment for fire fighters

Wear self-contained breathing apparatus and protective suit

Other information:

Prevent runoff from entering streams, sewers, or drinking water

6. ACCIDENTAL RELEASE MEASURES

Personal precautions

Avoid direct contact. Notify relevant authorities in accordance with applicable regulations.

Environmental precautions

Prevent entry into waterways, sewers, basements or confined areas.

Method for cleaning up

Contain spillage. Pick up with a vacuum cleaner or by brushing and transfer to a container for disposal according to local regulations.

7. HANDLING AND STORAGE

Advice on safe handling

No special recommendations

Incompatible products

Halogen, strong oxidizing agents, aromatic solvents

Protection – fire and explosion
Keep away from sources of ignition. No smoking

Technical measures/Storage conditions
Do not store in open or unmarked containers.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure controls

Personal protective equipment

Hygiene measures Wash hands before breaks and at the end of workday. When using, do not eat, drink, or smoke.

Eye protection: No special requirement

Skin protection: No special requirement

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Form Gel

Odor Slight

Ignition temperature >200°C approx.

Method ASTM D 1929

Combustion number BZ5: Complete combustion with flames

Method ISO 1183, Process A

Bulk density 0,2 – 0,5 g/cm³ 20°C

Method ISO 60

10. STABILITY AND REACTIVITY

Chemical stability

Stable under normal conditions

Conditions to avoid

Extreme temperatures. Avoid temperatures above 250°C

Incompatible products

Halogen, strong oxidizing agents, aromatic solvents

Hazardous combustion or decomposition products:

Thermal decomposition products may include oxides of carbon

11. TOXICOLOGICAL INFORMATION

When handled appropriately, even after long year of experience with this product, no adverse health effects are known. Toxicological data is not available. Observe usual hygienic measures for handling chemicals.

12. ECOLOGICAL INFORMATION

Ecological data is not available. Product is insoluble in water. Product includes an oil base that could potentially cause similar environmental danger to the oil base.

13. DISPOSAL CONSIDERATIONS

Product information

Disposal required in compliance with all waste management related state and local regulations. The choice of the appropriate method of disposal depends on the product composition by the time of disposal as well as the local statutes and possibilities for disposal.

Uncleaned empty packaging

Contaminated packaging should be emptied as far as possible and, after appropriate cleansing, may be taken for reuse

14. TRANSPORT INFORMATION

US Department of Transportation: Not regulated

ADR/RID: Not regulated

AND: Not regulated

ICAO/IATA: Not regulated

IMDG: Not regulated

15. REGULATORY INFORMATION

International Regulations

This preparation is not classified as dangerous according to Chinese legislation

16. OTHER INFORMATION

HMIS: Health: 1

Flammability: 3

Instability: 0

Color Code(s): Natural

Prepared by: GenPore

Other information: This SDS adheres to the standards and regulatory requirements of the United States.

This information is based on our present state of knowledge. It shall describe our products regarding safety requirements and shall not be construed as a guarantee or statement of condition and/or quality.