



Safety Data Sheet (SDS) According to GHS

Product: Polyglycerol Polyricinoleate

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1. Chemical Product and Company Identification

Product Name Polyglycerol Polyricinoleate
Recommended use of the chemical Additive, emulsifier for cosmetics & other similar applications
Distributor Silver Fern Chemical, Inc.
2226 Queen Anne Avenue North, Suite C
Seattle WA 98109, USA
Phone: 1-866-282-3384
24 Hour Emergency Contact Infotrac 1-800-535-5053 (USA & Canada)
Outside USA & Canada 1-352-323-3500

2. Hazards Identification

Classification of the substance or Mixture: Not classified (GHS-US), (GHS-UN)
Label Elements: GHS-US: None GHS-UN: None
Other Hazards: None known

3. Composition/Information on Ingredients

Cas No.	Chemical name	Concentration	Classification (GHS-US & GHS-UN)
68936-89-0	Polyglycerol Polyricinoleate	100%	Not classified

4. First-Aid Measures

In case of ingestion, rinse the mouth & seek medical attention. In case of inhalation remove to fresh air immediately. In case of skin contact wash with plenty of water & soap. In case of eye contact rinse with plenty of water and seek medical advice.

5. Fire Fighting Measures

Extinguishing Media Foam, Carbon dioxide, Water, Dry Chemical Powder
Unsuitable Extinguishing Media No restrictions
Special Protective equipment In case of fire, carbon monoxide & carbon dioxide can be formed
Not required, except regular fire-fighters equipment

6. Accidental Release Measures

Personal precautions Protective clothing to be worn
Environmental precautions Notify authorities if product enters public waters or sewers. Dispose according to local rules.
Methods for Cleaning Up Soap up spill with sand or earth & detergent

7. Handling and Storage

Handling Keep away from sources of ignition. Provide sufficient ventilation & exhaust.
Storage Keep containers closed and in dry shaded godown, away from heat.

8. Exposure Controls/Personal Protection

Engineering measures No special measures required.
Control Parameters No exposure limits noted.

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Personal Protection	Usual, as taken for handling chemicals.
-- Respiratory Equipment	Not required unless insufficient ventilation
-- Hand Protection	Gloves
-- Eye Protection	Protective Glasses
-- Skin Protection	Protective Clothing & gloves

9. Physical and Chemical Properties

Appearance	Amber Viscous Liquid
Odor	Fatty
PH	7
Boiling point / Boiling range	Not Applicable, it decomposes
Melting point/ Melting range	Not Applicable
Flash point	Above 200o C (COC)
Flammability(solid, gas)	None
Autoflammability	None
Explosive properties	None
Oxidizing properties	None
Vapor Pressure	Not Available
Relative Density Solubility -	About 1.00 at 25oC
Water solubility	Insoluble.
(solvent oil to be specified)	
Partition coefficient	
n-octanol/water	Not Available
Other data	Viscosity at 25oC About 2000-5500cst

10. Stability and Reactivity

Reactivity & Chemical stability	It is stable under normal conditions
Conditions to avoid	Keep away from oxidising materials
Materials to avoid	Oxidising materials & sources of ignition, moisture
Hazardous decomposition products	None if handled & stored according to prescription. In case of thermal degradation e.g. fires, Carbon monoxide & dioxide will be formed

11. Toxicological Information

The FDA has deemed PGPR to be GRAS & the Joint FAO/WHO Expert Committee on Food Additives (JECFA) has also deemed it safe. Both of these organizations set the acceptable daily intake at 7.5mg per kg of body weight. In Europe, it is allowed in chocolate up to a level of 0.5%. Hazard due to ingestion, inhalation, skin contact is low. In case of eye contact may cause slight temporary irritation.

Germ cell mutagenicity: No data available to indicate any components present at >0.1% are mutagenic or genotoxic.

Carcinogenicity: Not considered carcinogen by IARC, ACGIH, OSHA or NTP. Not listed in 29 CFR 1910.1001-1050.

Reproductive toxicity: Not expected

12. Ecological Information

Should not be allowed to mix into waters.

Ecotoxicity: Not ecotoxic

Persistence & biodegradability: Data not available

Bioaccumulative potential: Data not available

Mobility in soil: Data not available

Other adverse effects: Not expected

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13. Disposal Considerations

May be incinerated in a proper facility according to the local rules.

14. Transport Information

Not classified as hazardous under DOT, IATA, IMDG

15. Regulatory Information

Acc. to EEC Council Directive, it is not a dangerous substance, but suitable precautions of handling chemicals should be taken.

CERCLA Hazardous substance list (40 CFR 302.4): Not listed

US OSHA (29 CFR 1910.1001-1050): Not listed

SARA 302 Extremely hazardous substances: No

SARA 311/312 hazardous chemical: No

SARA 313 (TRI reporting): No

Clean Air Act (CAA) Section 112 HAPs list: Not listed

CAA Section 112(r): Not listed

Safe Drinking Water Act (SDWA): Not listed

US California Proposition 65: Not containing any listed chemicals

Listed in following Country/Regional Inventories: AICS, NDSL, IECSC, NZIoC, TSCA. Under EINECS it is classified as Polymer. Food Ingredient No. E476

16. Other Information

NFPA Rating:



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