

SECTION 1 IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND OF THE COMPANY / UNDERTAKING
PRODUCT IDENTIFIER

Product Name	Polyglycerol 4 Oleate
Other Names	1,2,3-Propanetriol, homopolymer, (9Z)-9-octadecenoate

DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEET

Registered distributor company name	Pure Ingredients Ltd	Pure Nature
Address	626A Rosebank Road, Avondale 1026	626A Rosebank Road, Avondale 1026
Telephone	+64 9 813 5619	+64 9 813 9412
Website	www.pureingredients.co.nz	www.purenature.co.nz
Email	compliance@pureingredients.co.nz	info@purenature.co.nz

EMERGENCY TELEPHONE NUMBER

Association / Organisation	0800 CHEMCALL / 0800 243 622 (24hr)
Emergency telephone numbers	111
Other emergency telephone numbers	0800 764 766

SECTION 2 HAZARDS IDENTIFICATION

GHS / HSNO Hazard Classification	Not classified
HSNO Approval Number	Not classified
Hazard Nature	This product is not classified under HSNO criteria
Pictogram(s)	Nil
Signal Word	Nil
Hazard Statement(s)	Nil
Prevention Statements(s)	Nil
Response Statement(s)	Nil
Storage Statement(s)	Nil
Disposal Statement(s)	Nil

SECTION 3 COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Ingredient	CAS No.	EINECS	% [weight/volume]
1,2,3-Propanetriol, homopolymer, (9Z)-9-octadecenoate (Main constituent)	9007-48-1	-	100 %

SECTION 4 FIRST AID MEASURES

NZ Poisons Centre 0800 POISON (0800 764 766) | NZ Emergency Services: 111

General	Get medical advice/attention if you feel unwell.
Skin contact	Wash immediately with plenty of soap and water. If skin irritation occurs: Get medical advice/attention.
Eye contact	Rinse cautiously with water for several minutes. If eye irritation persists: Get medical advice/attention.
Ingestion	Rinse mouth out with water. Call a poison center or a doctor if you feel unwell.
Inhalation	Remove person to fresh air and keep comfortable for breathing. Get medical advice/attention if you feel unwell.

Most important symptoms and effects, both acute and delayed:

Symptoms/effects after skin contact: There may be mild irritation at the site of contact.

Symptoms/effects after eye contact: There may be irritation and redness.

Symptoms/effects after ingestion: There may be irritation of the throat.

Indication of any immediate medical attention and special treatment needed:

Other medical advice or treatment: Due to its physical properties, may cause mechanical irritation. Product may agglutinate in the gastro-intestinal tract. Medical assistance should be sought. Depending on the symptoms, invasive measures may be necessary.

SECTION 5 FIREFIGHTING MEASURES

Suitable extinguishing media	Use extinguishing agent suitable for surrounding fire.
Reactivity in case of fire	On combustion-Toxic fumes may be released
Firefighting instructions	Use water spray to cool unopened containers.
Protection during firefighting	Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

SECTION 6 ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures	No additional information available.
For non-emergency personnel	Protective equipment: Wear personal protective equipment. Emergency procedures: Ventilate spillage area. Avoid contact with skin and eyes. Keep away from heat.
For emergency responders	Protective equipment: Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".
Environmental precautions	Avoid release to the environment. Turn leaking containers leak-side up to prevent the escape of liquid. Do not allow to enter drains or water courses. Contain the spilled material by bunding.
Methods and material for containment and cleaning up	For containment: Collect spillage. Methods for cleaning up: Absorb spilled material with sand or earth. Put into a labelled container and provide safe disposal. Dispose in a safe manner in accordance with local/national regulations.

SECTION 7 HANDLING AND STORAGE

Precautions for safe handling	Ensure good ventilation of the work station. Wear personal protective equipment. Avoid contact with skin and eyes. Certified handler is not required for this product.
Hygiene measures	Handle in accordance with good industrial hygiene and safety procedures. Do not eat, drink or smoke when using this product. Wash contaminated clothing before reuse. Always wash hands after handling the product. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.
Conditions for safe storage, including any incompatibilities	Storage conditions: Store in a well-ventilated place. Keep cool. Keep container tightly closed. Incompatible materials: Strong oxidising agents. Strong acids. Heat and ignition sources: Keep away from heat.

SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Control parameters	No additional information available
Exposure limit values for the other components	No additional information available
Appropriate engineering controls	Ensure good ventilation of the work station.
Individual protection measures, such as personal protective equipment (PPE)	Hand protection: Protective gloves Eye protection: tightly fitting safety goggles Skin and body protection: Wear suitable protective clothing Respiratory protection: In case of insufficient ventilation, wear suitable respiratory equipment
Environmental exposure controls	Avoid release to the environment.
Consumer exposure controls	Handle in accordance with good industrial hygiene and safety procedures. Do not drink, eat or smoke in the workplace. Always wash hands after handling the product. Take off contaminated clothing and wash it before reuse. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Physical state	Liquid	Flash point	> 93 °C
Colour	Pale yellow, amber	Viscosity	Highly viscous
pH	6.5-7.5	Solubility	Water: Miscible

SECTION 10 STABILITY AND REACTIVITY

Reactivity	The product is non-reactive under normal conditions of use, storage and transport.
Chemical stability	Stable under normal temperatures and pressures.
Possibility of hazardous reactions	No dangerous reactions known under normal conditions of use.
Conditions to avoid	Keep away from heat.
Incompatible materials	Strong oxidising agents. Strong acids.
Hazardous decomposition products	On combustion. Toxic fumes may be released.

SECTION 11 TOXICOLOGICAL INFORMATION

Acute toxicity (oral)	Not classified
Acute toxicity (dermal)	Not classified
Acute toxicity (inhalation)	Not classified
Skin corrosion/irritation	Not classified
Serious eye damage/irritation	Not classified
Respiratory or skin sensitisation	Not classified
Germ cell mutagenicity	Not classified
Carcinogenicity	Not classified
Reproductive toxicity	Not classified
STOT-single exposure	Not classified
STOT-repeated exposure	Not classified
Aspiration hazard	Not classified

SECTION 12 ECOLOGICAL INFORMATION

Ecology - general	The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.
Hazardous to the aquatic environment, short term (acute)	Not classified
Hazardous to the aquatic environment, long term (chronic)	Not classified
Soil toxicity	Not classified
Terrestrial vertebrate toxicity	Not classified
Terrestrial invertebrate toxicity	Not classified

1,2,3-Propanetriol, homopolymer, (9Z)-9-octadecenoate (9007-48-1)

LC50 fish 1 > 1000 mg/l (96 h)
EC50 Daphnia 1 > 10000 mg/l (48 h)
ErC50 (algae) > 1000 mg/l (96 h, Selenastrum capricornutum)

Persistence and degradability

1,2,3-Propanetriol, homopolymer, (9Z)-9-octadecenoate (9007-48-1)
Persistence and degradability Inherently biodegradable.
Biodegradation > 60 % (28d, OECD302B)

Bioaccumulative potential

1,2,3-Propanetriol, homopolymer, (9Z)-9-octadecenoate (9007-48-1)
Bioaccumulative potential Not potentially bioaccumulable.

Mobility in soil

1,2,3-Propanetriol, homopolymer, (9Z)-9-octadecenoate (9007-48-1)
Mobility in soil Readily absorbed into soil

Other adverse effects

Ozone: Not classified
Other adverse effects: No additional information available

SECTION 13 DISPOSAL CONSIDERATION

Waste treatment methods	Dispose of contents/container in accordance with licensed collector's sorting instructions.
Product/Packaging disposal recommendations	Dispose in a safe manner in accordance with local/national regulations.

SECTION 14 TRANSPORT INFORMATION

	UNRTDG (N.Z.S 5433:2012)	Sea Transport (IMDG)	Air Transport (IATA/ICAO)
UN number	Not regulated	Not regulated	Not regulated
UN proper shipping name	Not regulated		
Transport hazard class(es)	Not regulated		
Packing group	Not regulated		
Environmental hazards	Not regulated		

Special transport precautions: Product does not require tracking.

UN RTDG (NZS 5433:2012)

No data available

IMDG

No data available

IATA

No data available

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

Hazchem or Emergency Action Code

Not applicable

SECTION 15 REGULATORY INFORMATION

NZIoC (New Zealand Inventory of Chemicals): Listed on NZIoC (New Zealand Inventory of Chemicals)

Hazardous Substances and New Organisms Act

HSNO Approval Number: Not applicable

Chemical safety assessment

No additional information available

SECTION 16 OTHER INFORMATION

The information contained in this Safety Data Sheet is obtained from current and reliable sources. Pure Ingredients Ltd provides the information contained herein in good faith but makes no representation as to its comprehensiveness or accuracy. This Safety Data Sheet summarises our best current knowledge of the health and safety hazard information of the product but does not claim to be all inclusive. This document is intended only as a guide to the appropriate handling of this material.

Reference: supplier's SDS.

v00: 28/07/2021 PIL. New issue.