

Section 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product name: GLYCERINE (VEG) 99.5% RAPESEED DERIVED

REACH registered number(s): EXEMPTION UNDER ANNEX V

CAS number: 56-81-5

EINECS number: 200-289-5

Synonyms: * GLYCEROL
1,2,3-PROPANE TRIOL
GLYCYL ALCOHOL

INCI name: * GLYCERIN

1.2. Relevant identified uses of the substance or mixture and uses advised against

Use of substance / mixture: * Anti-freezing Agent. Chemical Intermediate. Chemical manufacturing. Food Additive.
Personal care products. Plasticiser. Solvent. Animal Feed Processing.

1.3. Details of the supplier of the safety data sheet

Company name: Naissance
Unit 9 Milland Road
Industrial Estate
Neath
Neath Port Talbot
SA11 1NJ
Tel: 0800 0430 826
Email: info@enaissance.co.uk

1.4. Emergency telephone number

Section 2: Hazards identification

2.1. Classification of the substance or mixture

Classification under CLP: This product has no classification under CLP.

2.2. Label elements

Label elements: This product has no label elements.

2.3. Other hazards

Other hazards: Not applicable.

PBT: This product is not identified as a PBT/vPvB substance.

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Section 3: Composition/information on ingredients

3.1. Substances

Chemical identity: GLYCERINE (VEG) 99.5% RAPESEED DERIVED

CAS number: 56-81-5

EINECS number: 200-289-5

REACH registered number(s): EXEMPTION UNDER ANNEX V

Contains: * Glycerine (99.5 Rapeseed derived, E422/BP Kosher OLVGYC approved for Food use per EC dir. 89/107/EC,95/2/EC, 96/77/EC (E422)Freefrom GMO).

Section 4: First aid measures

4.1. Description of first aid measures

Skin contact: * May cause mild irritation to areas of broken or sensitive skin. Remove all contaminated clothes and footwear immediately unless stuck to skin. Drench the affected skin with running water for 10 minutes or longer if substance is still on skin. Transfer to hospital if there are burns or symptoms of poisoning.

Eye contact: * May cause mild irritation. Repeated exposure may cause chronic eye irritation. Bathe the eye with running water for 15 minutes. Consult a doctor.

Ingestion: * May cause mild irritation of the gastrointestinal tract if large quantities are ingested. Nausea and stomach pain may occur. There may be vomiting and diarrhoea. Wash out mouth with water. If conscious, give half a litre of water to drink immediately. Do not induce vomiting. If irritation develops or persists seek medical attention.

Inhalation: * Not applicable under normal conditions of use. Prolonged inhalation of mists may cause lung inflammation. May cause irritation of the mucous membranes and respiratory system. Remove casualty from exposure ensuring one's own safety whilst doing so. If unconscious, check for breathing and apply artificial respiration if necessary. Get medical attention if any discomfort continues

4.2. Most important symptoms and effects, both acute and delayed

Skin contact: * May cause mild irritation to areas of broken or sensitive skin. There may be mild discomfort and redness.

Eye contact: * May cause mild irritation. Repeated exposure may cause chronic eye irritation

Ingestion: * May cause mild irritation of the gastrointestinal tract if large quantities are ingested. Nausea and stomach pain may occur. There may be vomiting and diarrhoea.

Inhalation: * Not applicable under normal conditions of use. Prolonged inhalation of mists may cause lung inflammation. May cause irritation of the mucous membranes and respiratory system.

Delayed / immediate effects: * Toxicological data is based on animal data. No symptoms

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4.3. Indication of any immediate medical attention and special treatment needed

Immediate / special treatment: * Toxicological data is based on animal data. No symptoms.

Section 5: Fire-fighting measures

5.1. Extinguishing media

Extinguishing media: Suitable extinguishing media for the surrounding fire should be used. Water spray.

5.2. Special hazards arising from the substance or mixture

Exposure hazards: * This product does not support combustion. In a fire may liberate acid and irritant fumes.

In combustion emits toxic fumes of carbon dioxide / carbon monoxide. Acrolein.

5.3. Advice for fire-fighters

Advice for fire-fighters: Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

Section 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions: Refer to section 8 of SDS for personal protection details. Wear suitable protective clothing. Do not attempt to take action without suitable protective clothing.

6.2. Environmental precautions

Environmental precautions: * Do not discharge into drains or rivers. Contain the spillage using bunding.

6.3. Methods and material for containment and cleaning up

Clean-up procedures: * Absorb into dry earth or sand. Transfer to a closable, labelled salvage container for disposal by an appropriate method. Wash the spillage site with large amounts of water.

6.4. Reference to other sections

Reference to other sections: Refer to section 8 of SDS.

Section 7: Handling and storage

7.1. Precautions for safe handling

Handling requirements: * Wear suitable protective clothing. Avoid the formation or spread of mists in the air. Avoid contact with the material. Causes slippery surface when spilled.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions: * Store in a cool, well ventilated area. Keep container tightly closed. Protect from low temperatures and frost.

Suitable packaging: * Must only be kept in original packaging.

Storage quantity limits: N/A

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7.3. Specific end use(s)

Specific end use(s): No data available.

Section 8: Exposure controls/personal protection

8.1. Control parameters

Workplace exposure limits:

Respirable dust

State	8 hour TWA	15 min. STEL	8 hour TWA	15 min. STEL
UK	10mg/m3 (mist)	-	-	-

DNEL/PNEC Values

DNEL / PNEC No data available.

8.2. Exposure controls

Engineering measures: Ensure all engineering measures mentioned in section 7 of SDS are in place.

Respiratory protection: * Not normally required under normal conditions of use. Wear suitable respiratory protection when aerosols or mist are present. Particle filter class P1 (EN143).
Gas/vapour filter, type A: organic vapours (EN141).

Hand protection: Protective gloves.

Eye protection: Safety glasses. Ensure eye bath is to hand.

Skin protection: * Protective clothing. Ensure safety shower is to hand.

Environmental: No special requirement.

Section 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

State: Liquid

Colour: * check batch COA

Odour: * check batch COA

Evaporation rate: Negligible

Oxidising: * Non-oxidising (by EC criteria)

Solubility in water: * Soluble

Also soluble in: * Ethanol.

Viscosity: Viscous

Boiling point/range°C: 290

Melting point/range°C: 18

Flammability limits %: lower: 2.6

upper: 11.3

Flash point°C: 160

Part.coeff. n-octanol/water: -1.76/2.6

Autoflammability°C: 400

Vapour pressure: <0.1hPa@20degC

Relative density: 1.26g/ml@20degC

pH: 5 (100g/l Aqua)

VOC g/l: No data available.

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9.2. Other information

Other information: * EP & high purity grades of glycerine are generally colourless to pale yellow. Technical grade material can vary from colourless to dark brown dependent upon the specific grade. EP & high purity grades of glycerine are normally found to have a barely perceptible to mild odour. Tech 2 & Feed grade products generally have a organic type odour which can vary from mild to strong.

Section 10: Stability and reactivity

10.1. Reactivity

Reactivity: Stable under recommended transport or storage conditions.

10.2. Chemical stability

Chemical stability: Stable under normal conditions.

10.3. Possibility of hazardous reactions

Hazardous reactions: Hazardous reactions will not occur under normal transport or storage conditions. Decomposition may occur on exposure to conditions or materials listed below.

10.4. Conditions to avoid

Conditions to avoid: * Heat. Low temperatures and frost.

10.5. Incompatible materials

Materials to avoid: Strong oxidising agents. Strong acids.

10.6. Hazardous decomposition products

Haz. decomp. products: In combustion emits toxic fumes.

Section 11: Toxicological information

11.1. Information on toxicological effects

Toxicity values:

Route	Species	Test	Value	Units
DERMAL	RBT	LD50	>10000	mg/kg
ORAL	RAT	LD50	12600	mg/kg

Excluded hazards for substance:

Hazard	Route	Basis
Acute toxicity (ac. tox. 4)	-	No hazard: calculated
Acute toxicity (ac. tox. 3)	-	No hazard: calculated
Acute toxicity (ac. tox. 2)	-	No hazard: calculated

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Acute toxicity (ac. tox. 1)	-	No hazard: calculated
Skin corrosion/irritation	-	No hazard: calculated
Serious eye damage/irritation	-	No hazard: calculated
Respiratory/skin sensitisation	-	No hazard: calculated
Germ cell mutagenicity	-	No hazard: calculated
Carcinogenicity	-	No hazard: calculated
Reproductive toxicity	-	No hazard: calculated
STOT-single exposure	-	No hazard: calculated
STOT-repeated exposure	-	No hazard: calculated
Aspiration hazard	-	No hazard: calculated

Symptoms / routes of exposure

Skin contact: * May cause mild irritation to areas of broken or sensitive skin. There may be mild discomfort and redness.

Eye contact: * May cause mild irritation. Repeated exposure may cause chronic eye irritation

Ingestion: * May cause mild irritation of the gastrointestinal tract if large quantities are ingested. Nausea and stomach pain may occur. There may be vomiting and diarrhoea.

Inhalation: * Not applicable under normal conditions of use. Prolonged inhalation of mists may cause lung inflammation. May cause irritation of the mucous membranes and respiratory system.

Delayed / immediate effects: * Toxicological data is based on animal data. No symptoms

Other information: * Not applicable.

Section 12: Ecological information

12.1. Toxicity

* **Ecotoxicity values:**

Species	Test	Value	Units
Daphnia magna	24H EC50	>10000	mg/l
Bacteria, Activated sludge	48H	>1000	mg/l
RAINBOW TROUT (Oncorhynchus mykiss)	96H LC50	54000	mg/l

12.2. Persistence and degradability

Persistence and degradability: Biodegradable.

12.3. Bioaccumulative potential

Bioaccumulative potential: No bioaccumulation potential.

12.4. Mobility in soil

Mobility: * Soluble in water. Non-volatile.

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12.5. Results of PBT and vPvB assessment

PBT identification: This product is not identified as a PBT/vPvB substance.

12.6. Other adverse effects

Other adverse effects: * Not expected to cause significant environmental impact. Do not allow to enter watercourses or soils. Spillage in sewers or waterways must be avoided.

Section 13: Disposal considerations

13.1. Waste treatment methods

Disposal operations: Transfer to a suitable container and arrange for collection by specialised disposal company.

Recovery operations: Not applicable.

Disposal of packaging: * Contaminated containers must not be treated as household waste. Where practical, containers and packaging should be recycled by a licenced contractor.

NB: The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

Section 14: Transport information

Transport class: This product does not require a classification for transport.

Section 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Specific regulations: * Exemption from registration under REACH in accordance with Annex V. Commission Decision 96/335/EC establishing an inventory and a common nomenclature of ingredients employed in cosmetic products (INCI). Council Directive 76/768/EEC on the approximation of the laws of the Member States relating to cosmetic products. Regulation (EC) No 223/2009 of the European Parliament and of the Council on cosmetic products.

15.2. Chemical Safety Assessment

Chemical safety assessment: A chemical safety assessment has not been carried out for the substance or the mixture by the supplier.

Section 16: Other information

Other information

Other information: This safety data sheet is prepared in accordance with Commission Regulation (EU) No 2015/830.

* indicates text in the SDS which has changed since the last revision.

Legal disclaimer: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.