

Material safety data sheet
According to EU Regulation 1907/2006 in the current version
Glyceryl caprylate

1. Identification of the substance/mixture and company

Trade name: Glyceryl caprylate
Highly purified multifunctional ingredient with 88% minimum content of monocaprylate used for alternative preservation, refatting and wetting

INCI Glyceryl caprylate

CAS No. : 26402-26-6

EINECS No. : 247-668-1

REACH registration No. : 01-2120119773-55-0000

Utilization: Raw material for cosmetic or professional use

Supplier company identification: Elemental SRL, Piața Cazărmii no.15, 410188-Oradea, jud.Bihor, Romania
Tel/Fax: +40259-436.755, www.elemental.eu

Emergency: RO: număr național pentru cazuri de urgență: 021 3183606 Institutul de Sănătate Publică București.
International emergency number: +49 180 2273-112

2. Hazards Identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Not classified

Adverse physico-chemical, human health and environmental effects

No additional information available

2.2 Label elements

Labeling according to Regulation (EC) No. 1272/2008 [CLP]

No labeling applicable

2.3 Other hazards

This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII

This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

3. Declaration of ingredients

3.1 Substances

Material	C.A.S	EINECS	Risk Symbol	%
octanoic acid, monoester with glycerol (REACH-no) 01-2120119773-55-0000	26402-26-6	247-668-1	-	-

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3.2 Mixtures
Not applicable

4. First aid measures

4.1 Description of first-aid measures

General: If symptoms persist, call a physician. If medical advice is needed, have product container or label at hand.

First-aid measures after inhalation: Remove person to fresh air and keep comfortable for breathing. If you feel unwell, seek medical advice.

First-aid measures after skin contact: Take off contaminated clothing. Get medical advice if skin irritation persists. Gently wash with plenty of soap and water.

First-aid measures after eye contact: Rinse eyes with water as a precaution. Consult an ophthalmologist if irritation persists.

First-aid measures after ingestion: Rinse mouth. Do not give an unconscious person anything to drink. Do NOT induce vomiting. Get medical advice/attention if you feel unwell.

4.2 Most important symptoms and effects, both acute and delayed
Symptoms/effects: No additional information available.

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

5. Fire fighting measures

5.1 Extinguishing media

Suitable extinguishing media: Water spray. Dry powder. Foam. Carbon dioxide. Use fire fighting measures suiting the environment. Unsuitable extinguishing media: Strong water jet.

5.2 Special hazards arising from the substance or mixture

Hazardous decomposition products in case of fire: Toxic fumes may be released. Carbon monoxide. Carbon dioxide.

5.3 Advice for firefighters

Protection during firefighting: Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

5.4 Other information

Cool closed containers exposed to fire with water spray. Do not allow run-off from fire fighting to enter drains or water courses. Dispose of in accordance with relevant local regulations.

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6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

Protective equipment: Concerning personal protective equipment to use, see section 8.

Emergency procedures: Ventilate spillage area.

For emergency responders

Protective equipment: Wear personal protective clothing (see chapter 8).

6.2 Environmental precautions

Prevent entry to sewers and public waters. Avoid sub-soil penetration.

6.3 Methods and material for containment and cleaning up

Methods for cleaning up: Mechanically recover the product. Clean using water and a detergent.

Other information: Shovel into suitable and closed container for disposal. Disposal must be done according to official regulations.

6.4 Reference to other sections

Information for safe handling. See section 7. Concerning personal protective equipment to use, see section 8. For further information refer to section 13.

7. Handling and storage

7.1 Precautions for safe handling

Precautions for safe handling: Ensure good ventilation of the work station. Wear personal protective equipment. Keep away from sources of ignition - No smoking. Precautionary measures fire.

Hygiene measures: Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

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7.2 Conditions for safe storage, including any incompatibilities

Storage conditions: Store in dry, cool, well-ventilated area. Keep away from heat and direct sunlight.

Incompatible materials: No additional information available.

Information about storage in one common storage facility

7.3 Specific end use(s)

No additional information available.

8. Exposure controls / personal protection

8.1 Control parameters

- | | |
|--|---|
| - octanoic acid, monoester with glycerol (26402-26-6): | Observe general threshold limit for dust. |
| - octanoic acid, monoester with glycerol (26402-26-6): | PNEC (Soil) |
| | PNEC soil |
| | 0.061 mg/kg dwt |

8.2 Exposure controls

Appropriate engineering controls: Ensure good ventilation of the work station.

Hand protection: In case of repeated or prolonged contact wear gloves. Chemical resistant PVC gloves (to European standard EN 374 or equivalent). The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed. Choosing the proper glove is a decision that depends not only on the type of material, but also on other quality features, which differ for each manufacturer

Eye protection: Safety glasses. EN 166

Skin and body protection: Wear suitable protective clothing

Respiratory protection: In case of insufficient ventilation, wear suitable respiratory equipment. Dust production: dust mask with filter type P1.

Environmental exposure controls: Avoid release to the environment.

Other information: Wash hands before breaks and after work. Do not breathe dust. Keep away from food, drink and animal feeding stuffs. Do not eat and do not drink during use. Remove soiled clothing promptly. Avoid contact with skin and eyes. Apply emollient cream.

9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

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Physical state: Solid

Color: white.

Odor: characteristic.

Odor threshold : No data available

pH: Not applicable.

Relative evaporation rate (butyl acetate=1): No data available

Melting point: 38.7 °C (OECD102)

Freezing point: No data available

Boiling point: 296 °C (101 kPa, OECD103)

Flash point: > 180°C

Auto-ignition temperature: No data available

Decomposition temperature: No data available

Flammability (solid, gas): Not flammable

Vapor pressure: 0.001 Pa (25°C)

Relative vapor density at 20°C: No data available

Relative density: 1.024 (20°C)

Solubility: Water: ≈ 330 g/l (20°C, pH 3.52, OECD105)

Log Pow: No data available

Viscosity, kinematic: Not applicable

Viscosity, dynamic: Not applicable

Explosive properties: Product is not explosive.

Oxidizing properties: Non oxidizing.

Explosive limits: No data available

9.2 Other information

No additional information available

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10. Stability and reactivity

10.1 Reactivity

No additional information available.

10.2 Chemical stability

Stable under normal conditions.

10.3 Possibility of hazardous reactions

Exothermic reaction on contact with : Strong acids, strong oxidants. Strong bases.

10.4 Conditions to avoid

No additional information available.

10.5 Incompatible materials

No additional information available.

10.6 Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

11. Toxicological information

11.1 Information on toxicological effects

Acute toxicity (oral): Not classified (Based on available data, the classification criteria are not met)

Acute toxicity (dermal): Not classified (Based on available data, the classification criteria are not met)

Acute toxicity (inhalation): Not classified (Based on available data, the classification criteria are not met)

11.2 Skin corrosion/irritation

Not classified (Based on available data, the classification criteria are not met)

Additional information: Skin irritation test (rabbit): no irritation (OECD 404 method)

11.3 Serious eye damage/irritation

Not classified (Based on available data, the classification criteria are not met)

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Additional information: Dust from this product may cause minor eye irritation.

11.4 Respiratory or skin sensitization

Not classified (Based on available data, the classification criteria are not met)

11.5 Germ cell mutagenicity

Not classified (Based on available data, the classification criteria are not met)

11.6 Carcinogenicity

Not classified (Based on available data, the classification criteria are not met)

11.7 Reproductive toxicity

Not classified (Based on available data, the classification criteria are not met)

11.8 STOT-single exposure

Not classified (Based on available data, the classification criteria are not met)

11.9 STOT-repeated exposure

Not classified (Based on available data, the classification criteria are not met)

11.10 Aspiration hazard

Not classified (Based on available data, the classification criteria are not met)

12. Ecological information

12.1 Toxicity

Ecology-general: The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.

Ecology-water: Due to the consistency along with the low water solubility of the product a bioavailability is unlikely.

Acute aquatic toxicity: Not classified (Based on available data, the classification criteria are not met)

Chronic aquatic toxicity: Not classified (Based on available data, the classification criteria are not met)

12.2 Persistence and degradability

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Persistence and degradability	Readily biodegradable.
Biodegradation	> 90 % (28 d; (OECD 301D method))

12.3 Bioaccumulative potential

octanoic acid, monoester with glycerol (26402-26-6)	
Bioaccumulative potential	No additional information available.

12.4 Mobility in soil

octanoic acid, monoester with glycerol (26402-26-6)	
Ecology - soil	No additional information available.

12.5 Results of PBT and vPvB assessment

octanoic acid, monoester with glycerol (26402-26-6)	
This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII	
This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII	

12.6 Other adverse effects

Other adverse effects: No additional information available.

13. Disposal considerations

13.1. Waste treatment methods

Waste treatment methods: Disposal must be done according to official regulations. Product/Packaging disposal recommendations: Do not re-use empty containers without proper cleaning or reconditioning. European List of Waste (LoW) code: 07 06 99 - wastes not otherwise specified.

14. Transport information

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In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number

Not applicable

14.2. UN proper shipping name

Not applicable

14.3. Transport hazard class(es)

Not applicable

14.4. Packing group

Not applicable

14.5. Environmental hazards

Not applicable

14.6 Special precautions for user

14.7 Transport in bulk according to Annex II of Marpol and the IBCCode

Not applicable

15. Regulatory information

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

EU-Regulations

- No REACH Annex XVII restrictions

- Octanoic acid, monoester with glycerol is not on the REACH Candidate List

- Octanoic acid monoester with glycerol is not on the REACH Annex XIV List

- Other information, restriction and prohibition regulations : A safety data sheet is not required for this product under Article 31 of REACH. This Product Safety Information Sheet has been created on a voluntary basis.

National regulations

No additional information available

15.2 Chemical safety assessment

No additional information available

16. Additional information

16.1 Abbreviations:

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.

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CAS: Chemical Abstracts Service (division of the American Chemical Society).

CLP: Classification, Labeling, Packaging.

DNEL: Derived No Effect Level.

EINECS: European Inventory of Existing Commercial Chemical Substances.

GHS: Globally Harmonized System of Classification and Labeling of Chemicals.

IATA: International Air Transport Association.

IATA-DGR: Dangerous Goods Regulation by the "International Air Transport Association" (IATA).

ICAO: International Civil Aviation Organization.

ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO).

IMDG: International Maritime Code for Dangerous Goods.

INCI: International Nomenclature of Cosmetic Ingredients.

LTE: Long-term exposure.

PNEC: Predicted No Effect Concentration.

RID: Regulation Concerning the International Transport of Dangerous Goods by Rail.

STE: Short-term exposure.

STEL: Short Term Exposure limit.

STOT: Specific Target Organ Toxicity.

Disclaimer:

This material safety data sheet does not constitute a guarantee of the properties of the product and is not a contractual legal report. The information is given in good faith on the basis of our best knowledge of the product at the indicated time. However, we cannot accept responsibility or liability for any consequences arising from its use, no warranty for correctness and completeness is given. We caution the users against the incurred possible risks when the product is used at other ends than the use for which it was initially planned. It is the user's responsibility during handling, storage and product use to consult the main regulatory texts in force regarding workers and environment protection.