

Material safety data sheet SDS

According to EU Regulation 1907/2006 in the current version

ROSEGUARD

1. Identification of the substance/mixture and company

Product name/trade name: RoseGuard
INCI: Phenethyl Alcohol, Caprylyl Glycol
Uses: Cosmetic ingredient, Raw Material for personal care products
Supplier company identification: Elemental SRL, Piața Cazărmii no.15, 410188-Oradea, jud.Bihor, Romania
Tel/Fax: +40259-436.755, www.ellemental.com
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]

Hazard classes and hazard categories

Hazard statements Classification procedure

Serious eye damage/eye irritation
(Eye Irrit. 2)

H319: Causes serious eye irritation. Calculation method.

2.2 Label elements

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

Hazard pictograms:

GHS07



Exclamation mark

Signal word: Warning

Hazard statements for health hazards

H319 Causes serious eye irritation

Supplemental hazard information: none

Precautionary statements Prevention

P264 Wash hands thoroughly after handling.

P280 Wear protective gloves/protective clothing/eye protection/face protection/hearing protection/....

Precautionary statements Response

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337 + P313 If eye irritation persists: Get medical advice/attention.

2.3 Other hazards

None known

In normal use conditions and in its original form, the product itself does not involve any other risk for health and the environment. Not PBT Substance (Persistent, Bioaccumulative and Toxic) or vPvB (very Persistent and very Bioaccumulative).

3. Declaration of ingredients

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3.1 Substances

Triglycerides, Medium-Chain 100%

Not applicable

3.2 Mixtures

Description:

Liquid mixture of 2-phenylethanol, octane-1,2-diol

Hazardous ingredients / Hazardous impurities / Stabilisers:

Product identifiers	Substance name	Classification according to Regulation (EC) No 1272/2008 [CLP]	Concentration
CAS No.: 60-12-8	2-phenylethanol	Acute Tox. 4 (H302), Eye Irrit. 2 (H319)	> 50 %

EC No.: 200-456-2

REACH No.: 01-2119963921-31

CAS No.: 1117-86-8

octane-1,2-diol Eye Irrit. 2 (H319)

25 – 50 %

EC No.: 214-254-7

REACH No.: 01-2119966905-22

Full text of H- and EUH-phrases: see section 16.

4. First aid measures

4.1. Description of first aid measures

General information:

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible). Remove victim out of the danger area. Remove contaminated, saturated clothing. If unconscious but breathing normally, place in recovery position and seek medical advice. Do not leave affected person unattended.

Following inhalation:

Provide fresh air. In case of respiratory tract irritation, consult a physician.

In case of skin contact:

After contact with skin, wash immediately with plenty of water and soap. If skin irritation or rash occurs: Get medical advice/attention.

After eye contact:

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

Following ingestion:

Rinse mouth. Get medical advice/attention if you feel unwell. Let 1 glass of water be drunken in little sips (dilution effect).

Self-protection of the first aider:

Use personal protection equipment.

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

Serious eye damage/eye irritation

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

5. Fire fighting measures

5.1. Extinguishing media

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Suitable extinguishing media:

Carbon dioxide (CO₂), Extinguishing powder, Water Water spray jet alcohol resistant foam

Unsuitable extinguishing media:

Strong water jet

5.2. Special hazards arising from the substance or mixture

Combustible

Hazardous combustion products:

In case of fire: Gases/vapours, toxic

5.3. Advice for firefighters

Wear a self-contained breathing apparatus and chemical protective clothing.

5.4. Additional information

Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures.

For exposure control and individual protection measures, see section 8.

6.2 Environmental precautions.

Product not classified as hazardous for the environment, avoid spillage as much as possible.

6.3 Methods and material for containment and cleaning up. Contain and collect spillage with inert absorbent material (earth, sand, vermiculite, Kieselguhr...) and clean the area immediately with a suitable decontaminant.

Deposit waste in closed and suitable containers for disposal, in compliance with local and national regulations (see section 13).

6.4 Reference to other sections.

For exposure control and individual protection measures, see section 8.

For later elimination of waste, follow the recommendations under section 13.

7. Handling and storage

7.1 Precautions for safe handling.

The product does not require special handling measures, the following general measures are recommended:

For personal protection, see section 8.

In the application area, smoking, eating, and drinking must be prohibited. Follow legislation on occupational health and safety. Never use pressure to empty the containers. They are not pressure-resistant containers. Keep the product in containers made of a material identical to the original.

7.2 Conditions for safe storage, including any incompatibilities.

The product does not require special storage measures. As general storage measures, sources of heat, radiation, electricity and contact with food should be avoided. Keep away from oxidising agents and from highly acidic or alkaline materials. Store the containers between 5 and 25°C, in a dry and well-ventilated place.

Store according to local legislation. Observe indications on the label. Once the containers are open, they must be carefully closed and placed vertically to prevent spills.

The product is not affected by Directive 2012/18/EU (SEVESO III).

7.3 Specific end use(s).

Not available.

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8. Exposure controls / personal protection

8.1. Control parameters

8.1.1. Occupational exposure limit values

No data available

8.1.2. Biological limit values

No data available

8.1.3. DNEL-/PNEC-values

Substance name DNEL value ① DNEL type

② Exposure route

octane-1,2-diol

CAS No.: 1117-86-8

EC No.: 214-254-7 7 mg/m³ ① DNEL worker

② Long-term – inhalation, systemic effects

octane-1,2-diol

CAS No.: 1117-86-8

EC No.: 214-254-7 1.74 mg/m³ ① DNEL Consumer

② Long-term – inhalation, systemic effects

octane-1,2-diol

CAS No.: 1117-86-8

EC No.: 214-254-7 1 mg/kg bw/ day ① DNEL worker

② Long-term - dermal, systemic effects

octane-1,2-diol

CAS No.: 1117-86-8

EC No.: 214-254-7 0.5 mg/kg bw/ day ① DNEL Consumer

② Long-term - dermal, systemic effects

octane-1,2-diol

CAS No.: 1117-86-8

EC No.: 214-254-7 0.5 mg/kg bw/ day ① DNEL Consumer

② Long-term - oral, systemic effects

octane-1,2-diol

CAS No.: 1117-86-8

EC No.: 214-254-7 0.0022 mg/L ① PNEC aquatic, freshwater

octane-1,2-diol

CAS No.: 1117-86-8

EC No.: 214-254-7 0.00022 mg/L ① PNEC aquatic, marine water

octane-1,2-diol

CAS No.: 1117-86-8

EC No.: 214-254-7 10 mg/L ① PNEC sewage treatment plant

octane-1,2-diol

CAS No.: 1117-86-8

EC No.: 214-254-7 0.031 mg/kg ① PNEC sediment, freshwater

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octane-1,2-diol

CAS No.: 1117-86-8

EC No.: 214-254-7 0.0031 mg/kg ① PNEC sediment, marine water

octane-1,2-diol

CAS No.: 1117-86-8

EC No.: 214-254-7 0.022 mg/L ① PNEC aquatic, intermittent release

8.2.Exposure controls

8.2.1.Appropriate engineering controls

No data available

8.2.2.Personal protection equipment

Eye/face protection:

Eye glasses with side protection EN 166

Skin protection:

Tested protective gloves must be worn EN ISO 374 Suitable material: Breakthrough time: min In the case of wanting to use the gloves again, clean them before taking off and air them well. Breakthrough times and swelling properties of the material must be taken into consideration.

8.2.3. Environmental exposure controls

No data available

9. Physical and chemical properties

9.1 Information on basic physical and chemical properties.

Physical state: Liquid

Colour: Colorless to yellowish

Odour: faint characteristic

Odour threshold: Not applicable/Not available

Melting point: Not applicable/Not available

Freezing point: Not applicable/Not available

Boiling point or initial boiling point and boiling range: Not applicable/Not available

Flammability: Not applicable/Not available

Lower explosion limit: Not applicable/Not available

Upper explosion limit: Not applicable/Not available

Flash point: Not applicable/Not available

Auto-ignition temperature: Not applicable/Not available

Decomposition temperature: Not applicable/Not available

pH: Not applicable/Not available

Kinematic viscosity: Not applicable/Not available

Solubility: Not applicable/Not available

Partition coefficient n-octanol/water (log value): Not available

Vapour pressure: Not applicable/Not available

Absolute density: Not applicable/Not available

Relative density: Not applicable/Not available

Relative vapour density: Not applicable/Not available

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Particle characteristics: Not applicable/Not available

9.2 Other information

Information with regard to physical hazard classes

Explosives: Explosive properties: The product does not have explosive properties.

Oxidising liquids: Oxidizing properties: Non oxidizing

10. Stability and reactivity

10.1 Reactivity

Combustible

10.2 Chemical stability

The product is chemically stable under recommended conditions of storage, use and temperature.

10.3 Possibility of hazardous reactions

No data available

10.4 Conditions to avoid

Heat, UV-radiation/sunlight,

10.5 Incompatible materials

Oxidising substances; Strong acid; strong base

10.6 Hazardous decomposition products

Thermal decomposition can lead to the escape of irritating gases and vapours. Gases/vapours, toxic

11. Toxicological information

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute oral toxicity:

2-phenylethanol CAS No.: 60-12-8 EC No.: 200-456-2

LD50 oral: 1,600 mg/kg (Rat)

LD50 dermal: 2,535 mg/kg (Rat)

LC50 Acute inhalation toxicity (vapour): >1.38 mg/L (Rat)

octane-1,2-diol CAS No.: 1117-86-8 EC No.: 214-254-7

LD50 oral: >2,000 mg/kg (Rat)

LC50 Acute inhalation toxicity (vapour): $\geq 7,015$ mg/L 4 h (Rat)

LC50 Acute inhalation toxicity (dust/mist): >7.015 mg/L 4 h (rat) OECD Guideline 403 (Acute Inhalation Toxicity)

Based on available data, the classification criteria are not met.

Acute dermal toxicity:

Based on available data, the classification criteria are not met.

Acute inhalation toxicity:

Based on available data, the classification criteria are not met.

Skin corrosion/irritation:

Based on available data, the classification criteria are not met.

Serious eye damage/irritation:

Causes serious eye irritation.

Respiratory or skin sensitisation:

Based on available data, the classification criteria are not met.

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Germ cell mutagenicity:

Based on available data, the classification criteria are not met.

Carcinogenicity:

Based on available data, the classification criteria are not met.

Reproductive toxicity:

Based on available data, the classification criteria are not met.

STOT-single exposure:

Based on available data, the classification criteria are not met.

STOT-repeated exposure:

Based on available data, the classification criteria are not met.

Aspiration hazard:

Based on available data, the classification criteria are not met.

Additional information:

No data available

11.2 Information on other hazards

No data available

12. Ecological information

12.1 Toxicity

2-phenylethanol CAS No.: 60-12-8 EC No.: 200-456-2

LC50: >215 – <464 mg/L 4 d (fish, *Leuciscus idus*) DIN38412

EC50: 287 mg/L 2 d (crustaceans, *Daphnia Magna*) EU C2

ErC50: 1.3 mg/L 3 d (Algae/water plant, *Scenedesmus subspicatus*) DIN38412

octane-1,2-diol CAS No.: 1117-86-8 EC No.: 214-254-7

ErC50: >35 mg/L 3 d (Algae/water plant, *Pseudokirchneriella subcapitata*) OECD 201

EC50: 176 mg/L 2 d (crustaceans, *Daphnia magna*) OECD 202

LC50: >2.2 – ≤22 mg/L 4 d (fish, *Danio rerio*) OECD 203

LC50: >2.2 – <22 mg/L 4 d (fish, *Danio rerio* (previous name: *Brachydanio rerio*)) OECD Guideline 203 (Fish, Acute Toxicity Test)

EC50: 35 mg/L 3 d (Algae/water plant, *Pseudokirchneriella subcapitata* (previous names: *Raphidocelis subcapitata*, *Selenastrum capricornutum*))

EC50: 176 mg/L 2 d (crustaceans, *Daphnia magna*)

NOEC: 15 mg/L 3 d (Algae/water plant, *Pseudokirchneriella subcapitata* (previous names: *Raphidocelis subcapitata*, *Selenastrum capricornutum*))

12.2 Persistence and degradability

Readily biodegradable (according to OECD criteria).

2-phenylethanol CAS No.: 60-12-8 EC No.: 200-456-2

Biodegradation: Yes, rapidly

Remark: OECD 301B

octane-1,2-diol CAS No.: 1117-86-8 EC No.: 214-254-7

Biodegradation: Yes, rapidly

Remark: OECD 301D

Not PBT Substance (Persistent, Bioaccumulative and Toxic) or vPvB (very Persistent and very Bioaccumulative).

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12.3 Bioaccumulative potential

octane-1,2-diol CAS No.: 1117-86-8 EC No.: 214-254-7 Log KOW: ≤ 3

12.4 Mobility in soil.

No information is available about the mobility in soil.

The product must not be allowed to go into sewers or waterways.

Prevent penetration into the ground.

12.5 Results of PBT and vPvB assessment.

2-phenylethanol CAS No.: 60-12-8 EC No.: 200-456-2

Results of PBT and vPvB assessment: This substance does not meet the PBT/vPvB criteria of REACH, Annex XIII.

octane-1,2-diol CAS No.: 1117-86-8 EC No.: 214-254-7

Results of PBT and vPvB assessment: This substance does not meet the PBT/vPvB criteria of REACH, Annex XIII.

12.6 Endocrine disrupting properties.

No data available

12.7 Other adverse effects.

No data available

13. Disposal considerations

13.1 Product/Packaging disposal

Waste must be disposed of in line with local regulations

13.2 Waste treatment-relevant information

Waste must be disposed of in line with local regulations

13.3 Sewage disposal-relevant information

Avoid release to the environment or sewage system

13.4 Other disposal recommendations

Handle contaminated packages in the same way as the product

14. Transport information

Transportation is not dangerous. In case of road accident causing the product's spillage, proceed in accordance with point 6.

14.1 UN number or ID number.

Transportation is not dangerous.

14.2 UN proper shipping name.

Description:

ADR/RID: Not classified as hazardous for transport.

IMDG: Not classified as hazardous for transport.

ICAO/IATA: Not classified as hazardous for transport.

14.3 Transport hazard class(es).

Transportation is not dangerous.

14.4 Packing group.

Transportation is not dangerous.

14.5 Environmental hazards.

Transportation is not dangerous.

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Transport by ship, FEm – Emergency sheets (F – Fire, S - Spills): Not applicable.

14.6 Special precautions for user.

Transportation is not dangerous.

14.7 Maritime transport in bulk according to IMO instruments.

No data available.

15. Regulatory information

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

No data available

Key literature references and sources for data

Substance name Type source of supply

2-phenylethanol CAS No.: 60-12-8 EC No.: 200-456-2

Source: European Chemicals Agency, <http://echa.europa.eu/>

octane-1,2-diol CAS No.: 1117-86-8 EC No.: 214-254-7

Source: European Chemicals Agency, <http://echa.europa.eu/>

15.2 Chemical safety assessment

No data available

16. Additional information

16.1 Relevant phrases

H319: Causes serious eye irritation. Calculation method.

H302 Harmful if swallowed.

H319 Causes serious eye irritation.

16.2 Abbreviations

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - Agreement concerning the International Carriage of Dangerous Goods by Road; AIIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Test-ing of Materials; bw - Body weight; CLP - Classification Labelling Packaging Regulation; Regula-tion (EC) No 1272/2008; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECHA - European Chemicals Agency; EC-Number - European Community number; ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergen-cy Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration as-sociated with x% growth rate response; GHS - Globally Harmonized System; GLP - Good La-boratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships car-rying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - Interna-tional Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; INCI: International Nomenclature of Cosmetic Ingredients; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test popula-tion; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - Interna-tional Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Ef-fect Level; NOELR - No

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Observable Effect Loading Rate; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic sub-stance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quanti-tative) Structure Activity Relationship; PNEC: Predicted No Effect Concentration; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Re-striction of Chemicals; RID - Regulations concerning the International Carriage of Dangerous Goods by Rail; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; SVHC - Substance of Very High Concern; STE: Short-term exposure; STEL: Short Term Exposure limit; STOT: Specific Target Organ Toxicity; TCSI - Taiwan Chemical Substance Inventory; TECI - Thailand Existing Chemicals Inventory; TRGS - Technical Rule for Hazardous Substances; TSCA - Toxic Substances Control Act (United States); UN - United Nations; vPvB - Very Persistent and Very Bioaccumulative

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.