

## Material safety data sheet

According to EU Regulation 1907/2006 in the current version

### PROPANEDIOL

#### 1. Identification of the substance/mixture and company

Trade name:	Propanediol
I.N.C.I.	Propanediol
CAS No. :	504-63-2
EINESCS No. :	207-997-3
REACH pre-registration No. :	/
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, <a href="http://www.elemental.eu">www.elemental.eu</a>
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

Not classified as a hazardous substance or mixture according to the Occupational Safety and Health Administration (OSHA) Hazard Communication Standard 2012.

#### 3. Declaration of ingredients

##### 3.1. Substances

This product does not contain any components that require disclosure according to OSHA Hazard Communication Standard 2012.

#### 4. First aid measures

##### 4.1 Description of first aid measures

General advice : No applicable data available.

Inhalation : No hazards which require special first aid measures.

Skin contact : No hazards which require special first aid measures.

Eye contact : Flush eyes with water at least 15 minutes. Get medical attention if eye irritation develops or persists.

Ingestion : No hazards which require special first aid measures.

##### 4.2 Main symptoms and effects, both acute and delayed

No data available

##### 4.3 Indication to consult a physician immediately or any special treatments

No data available

#### 5. Fire fighting measures

##### 5.1 Means of extinction

Suitable extinguishing media: Water, Foam, Dry chemical, Carbon dioxide (CO2)

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Extinguishing media which must not be used for safety reasons: No data

#### 5.2 Special hazards arising from the substance or mixture

Exposure to decomposition products may be a hazard to health

#### 5.3 Recommendations for fire-fighters

Wear self-contained breathing apparatus and protective suit

#### 5.4 Further information

Evacuate personnel to safe areas. Evacuate personnel and keep upwind of fire.

### 6. Accidental release measures

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#### 6.1 Personal precautions, protective devices and emergency procedures

Review FIRE FIGHTING MEASURES and HANDLING (PERSONNEL) sections before proceeding with clean-up.

Use appropriate PERSONAL PROTECTIVE EQUIPMENT during clean-up.

Safeguards (Personnel) : No applicable data available.

#### 6.2 Environmental precautions

Do not flush into surface water or sanitary sewer system.

#### 6.3 Methods and materials for containment and remediation

Spill Cleanup : Contain spillage, soak up with non-combustible absorbent material, (e.g.sand, earth, diatomaceous earth, vermiculite) and transfer to a container for disposal according to local / national regulations

#### 6.4 Reference to other sections

Disposal of the contaminated material must be carried out in accordance with the provisions of point 13.

### 7. Handling and storage

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#### 7.1 Precautions for safe handling

No special precautions are needed in handling this material.

Handling (Physical Aspects) : No applicable data available.

Dust explosion class : No applicable data available.

Advice on protection against fire and explosion

Keep away from sources of ignition - No smoking.

#### 7.2 Conditions for safe storage, including any incompatibilities

Store in a cool, dry place. Keep container closed to prevent contamination.

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Store bulk quantities under nitrogen blanket Keep away from heat, sparks and flames

Storage period : No applicable data available.

Storage temperature : No applicable data available

#### 7.3 Specific end uses

No data available

## 8. Exposure controls / personal protection

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### 8.1 Control parameters

Engineering controls : Ensure adequate ventilation, especially in confined areas.

Personal protective equipment

Respiratory protection : A respiratory protection program that meets country requirements must be followed whenever workplace conditions warrant respirator use.

Eye protection : Wear safety glasses with side shields.

Skin and body protection : Where there is potential for skin contact have available and wear as appropriate impervious gloves, apron, pants, and jacket.

Exposure Guidelines

Exposure Limit Values

This product does not contain any exposure limits that require disclosure according to OSHA Hazard Communication Standard 2012.

## 9. Physical and chemical properties

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### 9.1 Information on physical and chemical properties

Appearance: liquid

Color: transparent

Odor: slight

pH-value: no data available

Melting point: -27.65°C (-17.77 °F) estimated

Boiling point: 214.22 °C (417.60 °F) estimated

Sublimation point: no data available

Softening point: no data available

Flash point: 129 °C Method: Cleveland open cup – COC

Evaporation rate : No applicable data available.

Flammability (solid, gas) : No applicable data available

Lower explosion limits: 2.6 vol% estimated Information taken from reference works and the literature

Upper explosion limits: no data available

Vapor pressure: 0.0267 hPa at 25 °C (77 °F) estimated, Information taken from reference works and the literature.

Vapour density : no data available

Relative Density :1.053 estimate

Water solubility: completely soluble, in all proportions Infinity

Solubility in other solvents: no data available

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Partition coefficient: log Pow: -1.04 estimated, Information taken from reference works and the literature.

Auto-ignition temperature : 400 °C estimated Information taken from reference works and the literature.

Decomposition temperature : >129 °C

Viscosity, kinematic : 46 mm<sup>2</sup>/s at 20 °C (68 °F) Information taken from reference works and the literature., estimated

Viscosity, dynamic : 49 mPa.s at 20 °C (68 °F) estimated

#### 9.2 Other information

None

### 10. Stability and reactivity

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#### 10.1 Responsiveness

No applicable data available

#### 10.2 Chemical stability

Stable at normal temperatures and storage conditions.

#### 10.3 Possibility of dangerous reactions

Hazardous polymerization will not occur

#### 10.4 Conditions to avoid

Temperature > 129 °C (> 264 °F)

#### 10.5 Incompatible materials

Strong acids and oxidizing agents

#### 10.6 Hazardous decomposition products

No decomposition if stored normally.

### 11. Toxicological information

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#### 11.1 Information on toxicological effects

Further information : No data is available on the product itself.

##### Carcinogenicity

The carcinogenicity classifications for this product and/or its ingredients have been determined according to HazCom 2012, Appendix A.6. The classifications may differ from those listed in the National Toxicology Program (NTP) Report on Carcinogens (latest edition) or those found to be a potential carcinogen in the International Agency for Research on Cancer (IARC) Monographs (latest edition).

None of the components present in this material at concentrations equal to or greater than 0.1% are listed by IARC, NTP, or OSHA, as a carcinogen.

### 12. Ecological information

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#### 12.1 Toxicity

No data is available on the product itself.

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#### 12.2 Persistence and degradability

No data is available on the product itself.

#### 12.3 Bioaccumulation potential

No data is available on the product itself.

#### 12.4 Ground mobility

No data is available on the product itself.

#### 12.5 Results of PBT and vPvB assessment

No data is available on the product itself.

#### 12.6 Other adverse effects

No data is available on the product itself.

### 13. Disposal considerations

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#### 13.1 Waste treatment methods

Waste disposal methods : Treatment, storage, transportation, and disposal must be in accordance with applicable federal, state/provincial, and local regulations.

Contaminated packaging : No applicable data available.

### 14. Transport information

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Not regulated in transportation by DOT/IMO/IATA.

Not classified as dangerous in the meaning of transport regulations.

### 15. Regulatory information

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TSCA : On the inventory, or in compliance with the inventory

SARA 311/312 Hazard : No SARA Hazards

SARA 313 Regulated : This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

California Prop. 65 : This product does not contain any substances requiring a warning under the Safe Drinking Water and Toxic Enforcement Act.

### 16. Additional information

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#### 16.1 Abbreviations:

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

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

CLP: Classification, Labeling, Packaging.

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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.

#### DECLARATION OF ALLERGENS

7th Amendment to Directive 76/768/EC, annex III, part I (2003/15/EC)

I.N.C.I.	C.A.S.	%
Alpha-Hexyl cinnamic aldehyde (HCA)	101-86-0	-
Amyl cinnamic alcohol	101-85-9	-
Amyl cinnamic aldehyde (ACA)	122-40-7	-
Anisyl alcohol	105-13-5	-
Benzyl salicylate	118-58-1	-
Benzyl benzoate	120-51-4	-
Benzyl cinnamate	103-41-3	-
Benzyl alcohol	100-51-6	-
Cinnamic alcohol	104-54-1	-
Cinnamic aldehyde	104-55-2	-
Citral	5392-40-5	-
Citronellol	106-22-9	-
Coumarin (2p-1-benzopyran-2-one)	91-64-5	-
d-Limonene	5989-27-5	-
Eugenol	97-53-0	-
Farnesol	4602-84-0	-
Geraniol	106-24-1	-
Lylal (Hydroxymethylpentyl cyclohexene carbaldoxaldehyde)	31906-04-4	-
Hydroxycitronellal	107-75-5	-

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Isoeugenol	97-54-1	-
alpha-Iso-methyl ionone	127-51-5	-
Linalool	78-70-6	-
Methyl heptene carbonate	12/06/11	-
Oakmoss absolute	9000-50-4	-
p-tert-Butyl-alpha- methylhydrocinnamic aldehyde	80-54-6	-
Tree moss	68648-41-9	-

#### 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.