

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
EC No. : 207-997-3
REACH pre-registration No. : /
Utilization: Raw material for cosmetic use
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]
Not classified
2.2. Label elements
Labelling according to Regulation (EC) No. 1272/2008 [CLP]
No labelling applicable
2.3. Other hazards
On the basis of available data, the product does not contain any PBT or vPvB in percentage greater than 0,1%.

3. Declaration of ingredients

3.1. Substances / mixtures
This section describes all components. When no classification is mentioned below the identification of the substance, the substance shall be considered not classified according to Regulation EC 1272/2008.

INCI Name	CAS	EC	%
PROPANEDIOL	504-63-2	207-997-3	≥ 99.8%
AQUA	7732-18-5	231-791-2	< 0.20%

4. First aid measures

4.1 Description of first aid measures
General information: No special measures required.
After inhalation: Supply fresh air ; consult doctor in case of complaint.
After skin contact: Wash with water and soap and rinse thoroughly. If skin irritation continues, consult a doctor.
After eye contact: Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
After swallowing: Seek immediate medical advice.
Information for doctor: No further relevant information available.
4.2 Most important symptoms and effects, both acute and delayed
No further relevant information available.
4.3 Indication of any immediate medical attention and special treatment needed
No further relevant information available.

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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 Extinguishing media

5.1 Suitable extinguishing agents:

CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

5.2 Special hazards arising from the substance or mixture

No further relevant information available.

5.3 Advice for firefighters

No special measures required.

Protective equipment:

No special measures required.

6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Wear protective clothing.

Particular danger of slipping on leaked/spilled product.

6.2 Environmental precautions

Do not allow product to reach sewage system or any water course.

Do not allow to enter sewers/ surface or ground water.

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

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.

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

Storage temperature : No applicable data available

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7.3 Specific end uses

No further data available

8. Exposure controls / personal protection

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.

9. Physical and chemical properties

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 proportionsInfinity

Solubility in other solvents: no data available

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 mm²/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

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10. Stability and reactivity

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

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

12.1 Toxicity

No data is available on the product itself.

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.

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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

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

Not regulated in transportation by DOT/IMO/IATA.

Not classified as dangerous in the meaning of transport regulations.

15. Regulatory information

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

16.1 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

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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 population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International 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) Effect Level; NOELR - No Observable Effect Loading Rate; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Cooperation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) 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 Restriction 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; TECL - 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

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	101-86-0	-
Amyl cinnamic alcohol	101-85-9	-
Amyl cinnamic aldehyde	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	91-64-5	-
Eugenol	97-53-0	-
Farnesol	4602-84-0	-
Geraniol	106-24-1	-
Hydroxycitronellal	107-75-5	-
Isoeugenol	97-54-1	-

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alpha-Iso-methyl ionone	127-51-5	-
Limonene	5989-27-5	-
Linalool	78-70-6	-
Lyrar	31906-04-4	-
Methyl heptine carbonate	12/06/11	-
Methyleugenol	93-15-2	-
Oakmoss absolute	9000-50-4	-
p-tert-Butyl-alpha- methylhydrocinnamic aldehyde	80-54-6	-

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.