

## CERTIFICATE OF ANALYSIS & SAFETY DATA SHEET

**PRODUCT:** Dermasoft pentiol eco  
**INCI:** Pentylen glycol  
**CHEMICAL NAME:** 1,2-Pentanediol  
**COUNTRY OF ORIGIN:** Germany  
**USAGE:** Cosmetic use only

### Physical & chemical data / Specification

<u>Properties</u>	<u>Specifications</u>	<u>Results</u>
Appearance	Colorless clear liquid	Conforms
Solubilities	Water and oil soluble	Conforms
Odor	odorless or faint	Conforms
Water content	max 1.00 % w/w	1.0 %
Density / 20°C	0.9660 – 0.9760	0.9700 g/ml
Refractive index / 20°C	1.4340 – 1.4400	1.4391
Content	99.00 – 100.0 %	99.0 %
Molecular weight	104.2 g/mol	-
Melting point	- 30°C	-
Boiling point	206°C	-
Flash point	105°C	-
pH	5	
E. coli	MIC data	3.20 %
S. aureus	MIC data	3.20 %
P. aeruginosa	MIC data	1.60 %
C. alcicans	MIC data	1.60 %
A. niger / brasiliensis	MIC data	3.20 %
Arsenic (As)	≤ 0.5	Conforms
Lead (Pb)	≤ 0.25	Conforms
Mercury (Hg)	≤ 0.1	Conforms
Cadmium (Cd)	≤ 0.25	Conforms

No impurities detected: Dioxin, BSE/TSE, Formaldehyde, gluten, lactose, pesticides, Phthalates, residual solvents

### COMPOSITION / INFORMATION INGREDIENTS

Product Name	CAS NO	EC NO	Concentration
Pentylene glycol	5343-92-0	226-285-3	99.9 %

### HAZARDS IDENTIFICATION

#### Emergency Overview

**GHS Classification:**  
**GHS Label elements, including precautionary statements:**  
**Hazard statement(s)**  
**Precautionary statement(s)**

Not a hazardous substance or mixture  
Signal: Not applicable  
Not applicable.  
Not applicable.

## EXPOSURE CONTROLS AND PERSONAL PROTECTION

**Eyes:** Use tightly sealed goggles.

**Skin:** If skin contact or contamination of clothing is likely, protective clothing should be worn. Use protective gloves in nitril rubber minimum 0.11 mm

**Ingestion:** Not for ingestion.

**Respiratory:** Not required

## FIRST AID MEASURES

**Eye contact:** Immediately flush eyes with plenty of cool water for at least 15 minutes. Get medical attention if irritation occurs.

**Skin contact:** Remove contaminated clothing. Wash area with soap and water. If irritation occurs, get medical attention.

**Inhalation:** If inhaled, removed to fresh air. Get medical attention if symptoms appear.

**Ingestion:** Rinse mouth with water. Seek medical attention or contact local poison control center.

## HANDLING AND STORAGE

**Precautions for safe handling:** No direct lighting. No smoking. Ensure prompt removal from eyes, skin and clothing. Wash hands and other exposed areas with mild soap and water before eating, drinking, or smoking and when leaving work. Handle in accordance with good industrial hygiene and safety procedures.

**Conditions for safe storage, including any incompatibilities:** Provide local exhaust or general room ventilation to minimize dust and/or vapor concentration. Keep container closed when not in use.

## FIRE FIGHTING MEASURES

**Suitable extinguishing media:** Water spray, alcohol-resistant foam, dry chemical, carbon dioxide.

**Special protective equipment and precautions for fire-fighters:** Wear proper protective equipment. Exercise caution when fighting any chemical fire. Use water spray or fog for cooling exposed containers.

**Special hazards arising from the substance or its combustible products:** Carbon oxides

## ACCIDENTAL RELEASE MEASURES

**Personal precautions, protective equipment and emergency procedures:** Equip clean crew with proper protection. Respiratory protection equipment may be necessary. Avoid breathing vapors, mist or gas.

**Environmental precautions:** Prevent entry to sewers and public waters. Notify authorities if product enters sewers or public waters.

**Methods and materials for containment and cleaning up:** Clean up any spills as soon as possible, using an absorbent material to collect it. Use suitable disposal containers.

## STABILITY AND REACTIVITY

**Reactivity:** No data available

**Chemical stability:** Hydrosopic, otherwise stable under normal conditions.

**Possibility of hazardous reactions:** No data available

**Conditions to avoid:** Avoid sparks, flame and other heat sources.

**Incompatible materials:** Strong oxidizing agents.

## TOXICOLOGICAL INFORMATION (non testé sur les aminaux)

**Acute toxicity:** Oral LD50: 12,700 mg/kg (white rat) : muscle weakness, excitement  
Inhalation LC50: No data available

**Carcinogenicity:** None of the components of this material are listed as a carcinogen.

**Reproductive toxicity:** No adverse effects on reproduction are known.

**Eye contact:** Possible irritation should be prevented by wearing safety glasses.

## ECOLOGICAL INFORMATION

**Ecotoxicity:** No data available

**Persistence and degradability:** No data available

**Bio - accumulative potential:** No data available.

**Mobility in soil:** Not available.

**Other adverse effects:** Not available.

## TRANSPORT INFORMATION

NOT DANGEROUS

## CANADIAN CLASSIFICATION

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the SDS contains all the information required by the CPR.

Émis par



Online Boutique Director's

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