SECTION 1 IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND OF THE COMPANY / UNDERTAKING

PRODUCT IDENTIFIER

Product Name	E-Leen P8
Other Names	Octane-1,2-diol, 3-Phenyl-1-propanol, Water
INCI	Caprylyl Glycol, Phenylpropanol, Water
CAS No	1117-86-8 / 122-97-4 / 7732-18-5
EINECS No	214-254-7 / 204-587-6 / 231-791-2

DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEET

Registered distributor company name	Pure Ingredients Ltd	Pure Nature
Address	626A Rosebank Road, Avondale 1026	626A Rosebank Road, Avondale 1026
Telephone	+64 9 813 5619	+64 9 813 9412
Website	www.pureingredients.co.nz	www.purenature.co.nz
Email	compliance@pureingredients.co.nz	info@purenature.co.nz

EMERGENCY TELEPHONE NUMBER

Association / Organisation	0800 CHEMCALL / 0800 243 622 (24hr)
Emergency telephone numbers	111
Other emergency telephone numbers	0800 764 766

SECTION 2 HAZARDS IDENTIFICATION

GHS / HSNO Hazard Classification	Skin Irrit. 2 H315 Causes skin irritation. 6.3A Eye Irrit. 2 H319 Causes serious eye irritation. 6.4A
HSNO Approval Number	Not classified
Hazard Nature	This product is classified as HAZARDOUS under HSNO criteria
Pictogram(s)	
Signal Word	WARNING
Hazard Statement(s)	H319 Causes serious eye irritation H315 Causes skin irritation
Prevention Statements(s)	P264 Wash thoroughly after handling. P272 Contaminated work clothing should not be allowed out of the workplace. P280 Wear protective gloves/protective clothing/eye protection/face protection.
Response Statement(s)	P305+P351+P388 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P302+P352 IF ON SKIN: Wash with plenty of soap and water
Storage Statement(s)	N/A
Disposal Statement(s)	P501 Dispose of contents/container in accordance with local/national/international regulations.

SECTION 3 COMPOSITION / INFORMATION ON INGREDIENTS

INCI	CAS No.	EINECS	Range %
octane-1,2-diol	1117-86-8	214-254-7	50-70
3-phenylpropan-1-ol	122-97-4	204-587-6	20-40
water, distilled, conductivity or of similar purity	7732-18-5	231-791-2	0-20

SECTION 4 FIRST AID MEASURES

NZ Poisons Centre 0800 POISON (0800 764 766) | NZ Emergency Services: 111

Indication of any immediate medical attention and special treatment needed	Symptomatic treatment.
Skin contact	Remove contaminated clothes, wash affected area with soap and water and rinse thoroughly. If skin irritation continues, consult a doctor.
Eye contact	Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
Ingestion	Do not induce vomiting; call for medical help immediately.
Inhalation	Supply fresh air. If required, provide artificial respiration. Consult doctor if symptoms persist.

SECTION 5 FIREFIGHTING MEASURES

Suitable extinguishing agents	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment: Water spray, foam, carbon dioxide (CO2), dry chemical
Special hazards arising from the substance or mixture	Formation of toxic gases is possible during heating or in case of fire: CO
Advice for Fire-Fighters	Wear self-contained respiratory protective device. Wear fully protective suit.

SECTION 6 ACCIDENTAL RELEASE MEASURES

Environmental precautions	Use personal protection equipment recommended in section 8. Keep contaminated washing water and dispose of appropriately. Do not allow to penetrate the ground/soil.
Methods & material for containment and cleaning up	Send for recovery or disposal in suitable receptacles. See Section 13 for disposal information.

SECTION 7 HANDLING AND STORAGE

Handling	Ensure good ventilation/exhaustion at the workplace.
Storage	Store at room temperature and dry conditions in well-sealed receptacles.

SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Control Parameters	No data available
Eye and Face Protection	Wear safety goggles Check that an emergency eyewash facility is available near the handling zone
Body Protection	Wear protective work clothing: safety shoes, apron. Check that a security shower is available near the handling zone
Respiratory Protection	In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.
Hand Protection	Wear protective gloves-Neoprene or nitrile gloves. The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.
General protective and hygienic measures	Ensure good ventilation/exhaustion at the workplace.

SECTION 9 PHYSICAL/CHEMICAL PROPERTIES

PHYSICAL/CHEMICAL PROPERTIES	RESULT	PHYSICAL/CHEMICAL PROPERTIES	RESULT
Appearance:	Clear Liquid	Boiling Point Range:	Not available
Odour:	Characteristic	Flammability Limits:	Not available
Colour:	See product specification	Auto-Ignition Temperature:	Not available
Taste:	Not determined	Vapour Pressure:	No data available
Refractive Index @20°C:	See product specification	Relative Density at 20 °C:	0.94-0.98 g/ml
Water Solubility:	10 g/l	Oxidising Properties:	Not oxidising
Flash Point:	116.5 °C (3-phenylpropan-1-ol)	Explosive Properties:	Not explosive
Evaporation Rate:	Non-volatile	Bulk Density:	Not applicable
Ph:	See product specification	Relative Vapour Density:	No data available
Melting Point:	<0 °C		

SECTION 10 STABILITY AND REACTIVITY

Reactivity	No data available
Chemical stability	No data available
Possibility of hazardous reactions	No data available
Conditions to avoid	No data available
Incompatible materials	No data available.
Hazardous decomposition products	Formation of toxic gases is possible during heating or in case of fire: CO

SECTION 11 TOXICOLOGICAL INFORMATION

Acute Toxicity	Based on available data, the classification criteria are not met.
LD/LC50 values relevant for classification:	**1117-86-8 octane-1,2-diol** Oral LD50 >2,000 mg/kg (rat) (OECD 401) Inhalative LC50/4 h >7,015 mg/l (rat) (OECD 403) **122-97-4 3-phenylpropan-1-ol** Oral LD50 2,250 mg/kg (rat) (OECD 401) Dermal LD50 <5,000 mg/kg (rabbit) (OECD 402)

Primary irritant effect:
Skin corrosion/irritation Causes skin irritation.
Caprylyl Glycol
- Skin irritation: not irritating
Phenylpropanol
- Skin irritation (OECD 439): irritating

Serious eye damage/irritation Causes serious eye irritation.
Caprylyl Glycol
- Eye irritation (EU B.5, eye irritation/corrosion, rabbit): Irritating to eyes. Phenylpropanol - Eye irritation: irritating (based on results on skin)

Respiratory or skin sensitisation HRIPT: negative
Test done on EasySafe P8, which is chemically identical to E-Leen P8. Repeated applications of EasySafe P8 under occlusive patch (9 consecutive applications within 30 days, Finn Chamber, 20 µl per patch), on a panel of 51 subjects - 11 of which with sensitive skin - induced no irritation and no allergic reaction on skin. In conclusion, EasySafe P8 shows very good skin compatibility.
Additional toxicological information:
Repeated dose toxicity Caprylyl Glycol In the 90-day oral toxicity study with octane-1,2 -diol the no observed- adverse-effect- level (NOAEL) for general toxicity was 150 mg/kg bw/day; no specific organ toxicity or adverse effects on blood parameters were observed (OECD Guideline 408, Repeated Dose 90-Day Oral Toxicity in Rodents) Phenylpropanol NOAEL (oral, rat) = 1000 mg/kg bw/day (OECD 422)

CMR effects (carcinogenity, mutagenicity and toxicity for reproduction)
Germ cell mutagenicity Caprylyl Glycol The genotoxic potential of octane-1,2-diol was tested in three in vitro Ames (OECD 471 or other adequate references), one in vitro Chromosome aberration (Notification 1604 MHW Japan 1999, similar to OECD 473) and one in vitro gene mutation (OECD 476) tests, each with and without metabolic activation (+/- S9 mix). In each of these studies, consistent, reproducible and toxicologically relevant indications of genotoxicity were not evident.

Phenylpropanol
The test substance was not mutagenic in the bacterial reverse mutation assay and in the in vitro mammalian cell gene mutation assay (HPRT). The test item did not induce micronuclei in the in vitro micronucleus test in human lymphocytes.
Carcinogenicity Based on available data, the classification criteria are not met.
Reproductive toxicity Caprylyl Glycol
In the developmental toxicity study at the high dose level of 1000 mg/kg body weight/day reduced foetus weights were observed. However, at this dose level in repeat dose studies significant effects on body weight gain of adult rats were observed that might be due to disruption of the gut microbiota by the antimicrobial activity of octane-1,2 -diol leading to imbalanced nutrition. Thus, the effect observed in the developmental toxicity study very likely is a secondary nonspecific consequence of maternal malnutrition.
With regard to classification of octane-1,2 -diol the situation is considered inconclusive.

Phenylpropanol
NOAEL (oral, rat) = 300 mg/kg bw/day (OECD 422)
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.

SECTION 12 ECOLOGICAL INFORMATION

12.1 TOXICITY:

Aquatic toxicity:

1117-86-8 octane-1,2-diol

EC50/48h >100 mg/l (Daphnia magna) (OECD 202)

EC50/72h 35 mg/l (Pseudokirchneriella subcapitata) (OECD 201)

LC50/96h >2.2-<22.2 mg/l (Brachydanio rerio) (OECD 203)

NOEC/72h 15 mg/l (Pseudokirchneriella subcapitata) (OECD 201)

122-97-4 3-phenylpropan-1-ol

EC50/48h 60.6 mg/l (Daphnia magna) (OECD 202)

LC50/96h 61 mg/l (Zebra fish) (OECD 203)

12.2 Persistence and degradability
Caprylyl Glycol
Readily biodegradable.
Biodegradation in water, screening tests:
- Aerobic biodegradation 85% and 75% (ThOD) in 28 days
(OECD 301F, EU C.4-D and OECD 301D, EU C.4-E)
- Anaerobic biodegradation 70% (ThIC) in 60 days (OECD 311)
Phenylpropanol
Readily biodegradable: 83 % within 28 days (OECD 301F)

12.3 Bioaccumulative potential Caprylyl Glycol
Due to the distribution coefficient n-octanol/water an accumulation in organisms is not expected.
Phenylpropanol
Log P = 1.6 at 35°C => Accumulation in organisms is not expected

12.4 Mobility in soil no data available
Additional ecological information: Solubility in water:
Caprylyl Glycol
7.5 g/L at 20 °C, pH 6.3 (OECD 105 and EU A.6)
Phenylpropanol
7.799 g/L at 20 °C, pH 7 (OECD 105 and EU A.6)
Volatization from water: Phenylpropanol

Henrys Law Constant (20 °C): 0.436 Pa m3/mol
(calculated according to ECHA guidance R.16)

12.5 Results of PBT and vPvB
assessment no data available

12.6 Other adverse effects
no data available

SECTION 13 DISPOSAL CONSIDERATION

Waste treatment methods	Do not allow product to reach sewage system or any water course Must be specially treated adhering to official regulations. Incineration according to regulation in force Do not allow to penetrate the ground/soil

SECTION 14 TRANSPORT INFORMATION

LABELS REQUIRED	MARINE POLLUTANT:	No
	HAZCHEM:	Not applicable
	LAND TRANSPORT:	Not regulated for transport of Dangerous Goods
	AIR TRANSPORT [ICAO-IATA/DGR];	Not regulated for transport of Dangerous Goods
	SEA TRANSPORT [IMDG-Code/GGVSee]:	Not regulated for transport of Dangerous Goods
	UN NUMBER:	Not required
	PROPER SHIPPING NAME:	Not required
	TECHNICAL SHIPPING NAME:	Not applicable
	DG CLASS/SUBSIDARY RISK:	Not applicable
	PACKAGING GROUP:	Not allocated
	SPECIAL PRECAUTIONS:	Not established
	HAZCHEM CODE:	Not allocated
	HS Code:	Not applicable

SECTION 15 REGULATORY INFORMATION

Safety, Health And Environmental Regulations/Legislation Specific For The Substance Or Mixture	No further relevant information available.
Directive 2012/18/EU Named dangerous substances - ANNEX I	None of the ingredients is listed.
DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II	None of the ingredients is listed.
Chemical safety assessment	A Chemical Safety Assessment has not been carried out.

SECTION 16 OTHER INFORMATION

The information contained in this Safety Data Sheet is obtained from current and reliable sources. Pure Ingredients Ltd provides the information contained herein in good faith but makes no representation as to its comprehensiveness or accuracy. This Safety Data Sheet summarises our best current knowledge of the health and safety hazard information of the product but does not claim to be all inclusive. This document is intended only as a guide to the appropriate handling of this material.

Reference: Supplier's SDS.

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