

Safety data sheet according to 1907/2006/EC, Article 31

Printing date 27.04.2020

Version n° 2

Revision: 27.04.2020

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Octane-1,2-diol, 3-Phenyl-1-propanol, Water

Trade Name :

EasySafe P8

INCI Name :

Caprylyl Glycol, Phenylpropanol, Water

MINASOLVE Code:

PFS0042

REACH Registration number :

Octane-1,2-diol: 01-2119966905-22
3-Phenyl-1-propanol: 01-2120756397-42

1.2 Relevant identified uses of the substance or mixture and uses advised against

Relevant identifies uses : cosmetic ingredient

1.3 Details of the supplier of the safety data sheet

Minasolve S.A.S.
145, Chemin des Lilas
F-59310 Beuvry-la-Forêt
+33 3 20 64 68 30

E-Mail (Writer SDS)

sds@minakem.com

1.4 Emergency telephone number:

+33 3 20 64 68 30 (MINAKEM)
+33 1 45 42 59 59 (INRS - ORFILA)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008



GHS07

Skin Irrit. 2 H315 Causes skin irritation.

Eye Irrit. 2 H319 Causes serious eye irritation.

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008

The product is classified and labelled according to the CLP regulation.

Hazard pictograms



GHS07

Signal word

Warning

Hazard statements

H315 Causes skin irritation.
H319 Causes serious eye irritation.

Precautionary statements

P262 Do not get in eyes, on skin, or on clothing.
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P280 Wear protective gloves / eye protection / face protection.

P302+P352 IF ON SKIN: Wash with plenty of water.

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

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

2.3 Other hazards

no data available

SECTION 3: Composition/information on ingredients

3.2 Chemical characterisation: Mixtures
Components:

CAS: 1117-86-8	octane-1,2-diol	50-70%
EINECS: 214-254-7	⚠ Eye Irrit. 2, H319	
CAS: 122-97-4	3-phenyl-1-propanol	20-40%
EINECS: 204-587-6	⚠ Skin Irrit. 2, H315; Eye Irrit. 2, H319	
CAS: 7732-18-5	water, distilled, conductivity or of similar purity	0-20%
EINECS: 231-791-2		

Additional information:

For the wording of the listed hazard phrases refer to section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures
After inhalation:

Supply fresh air. If required, provide artificial respiration. Consult doctor if symptoms persist.

After skin contact:

Remove contaminated clothes, wash affected area with soap and water 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:

Do not induce vomiting; call for medical help immediately.

4.2 Most important symptoms and effects, both acute and delayed

no data available

4.3 Indication of any immediate medical attention and special treatment needed

Symptomatic treatment.

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SECTION 5: Firefighting measures

5.1 Suitable extinguishing agents:

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment :
Water spray, foam, carbon dioxide (CO₂), dry chemical

5.2 Special hazards arising from the substance or mixture

Formation of toxic gases is possible during heating or in case of fire : CO

5.3 Advice for firefighters

Protective equipment:

Wear self-contained respiratory protective device.
Wear fully protective suit.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Use personal protection equipment recommended in section 8

6.2 Environmental precautions:

Keep contaminated washing water and dispose of appropriately.
Do not allow to penetrate the ground/soil.

6.3 Methods and material for containment and cleaning up:

Send for recovery or disposal in suitable receptacles.

6.4 Reference to other sections

See Section 13 for disposal information.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Ensure good ventilation/exhaustion at the workplace.

7.2 Conditions for safe storage, including any incompatibilities

Storage conditions:

Store at room temperature and dry conditions in well sealed receptacles.

7.3 Specific end use(s)

no data available

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

no data available

8.2 Exposure controls

Personal protective equipment:

General protective and hygienic measures:

Ensure good ventilation/exhaustion at the workplace.

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.

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Protection of hands:



Wear protective gloves

**Material of gloves
(recommendation) :**

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.

Eye 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

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance:	Clear liquid
Colour:	Colourless or almost colourless
Odour:	Characteristic
Odour threshold:	no data available
pH-value at 20 °C:	neutral (aqueous solution)
Melting point:	<0 °C
Initial boiling point and boiling range:	100 °C (water, 1013.25 hPa)
Evaporation rate:	no data available
Flash point:	116.5 °C (3-phenylpropan-1-ol)
Flammability (solid, gas):	Not classified as flammable
Decomposition temperature:	> 100 °C
Auto-ignition temperature:	460°C (3-phenylpropan-1-ol)
Explosive properties:	not applicable
Explosion limits:	not applicable
Oxidising properties:	not applicable
Vapour pressure:	no data available
Density:	
Relative density at 20 °C:	0.94-0.98 g/ml
Vapour density:	Not determined.

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Solubility(ies)

water:

10 g/l

Partition coefficient: n-octanol/water:

Octane-1,2-diol: 2.1 log POW at 25 °C

3-Phenyl-1-propanol: 1.6 log POW at 35 °C

Viscosity:

no data available

9.2 Other information

no data available

SECTION 10: Stability and reactivity

10.1 Reactivity

No further relevant information available.

10.2 Chemical stability

no data available

10.3 Possibility of hazardous reactions

no data available

10.4 Conditions to avoid

no data available

10.5 Incompatible materials:

no data available

10.6 Hazardous decomposition products:

Formation of toxic gases is possible during heating or in case of fire : CO

SECTION 11: Toxicological information

11.1 Information on toxicological effects

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-phenyl-1-propanol

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)

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Respiratory or skin sensitisation HRIPT: negative

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.

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 (carcinogenicity, 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 non-specific 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.

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Aspiration hazard

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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 TG 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-phenyl-1-propanol

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 Additional ecological information:

no data available

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)

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12.5 Results of PBT and vPvB

assessment

no data available

12.6 Other adverse effects

no data available

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Recommendation

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

14.1 UN-Number

ADR, ADN, IMDG, IATA

Void

14.2 UN proper shipping name

ADR, ADN, IMDG, IATA

Void

14.3 Transport hazard class(es)

ADR, ADN, IMDG, IATA

Class

Void

14.4 Packing group

ADR, IMDG, IATA

Void

14.5 Environmental hazards:

Not applicable.

14.6 Special precautions for user

not applicable

14.7 Transport in bulk according to Annex II

of Marpol and the IBC Code

not applicable

UN "Model Regulation":

Void

SECTION 15: Regulatory information

15.1 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.

15.2 Chemical safety assessment:

A Chemical Safety Assessment has not been carried out.

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SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Relevant phrases

H315 Causes skin irritation.
H319 Causes serious eye irritation.

Abbreviations and acronyms:

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
IMDG: International Maritime Code for Dangerous Goods
IATA: International Air Transport Association
GHS: Globally Harmonised System of Classification and Labelling of Chemicals
EINECS: European Inventory of Existing Commercial Chemical Substances
ELINCS: European List of Notified Chemical Substances
CAS: Chemical Abstracts Service (division of the American Chemical Society)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
PBT: Persistent, Bioaccumulative and Toxic
vPvB: very Persistent and very Bioaccumulative
Skin Irrit. 2: Skin corrosion/irritation – Category 2
Eye Irrit. 2: Serious eye damage/eye irritation – Category 2

*** Data compared to the previous version altered.**