

# EasySafe P8

## I- GENERAL INFORMATION

**Trade name:** EasySafe P8  
**INCI name:** Caprylyl Glycol (and) Phenylpropanol  
**Minasolve Code:** PFS0042  
**Functions:** Skin moisturizer, aroma, masking agent, antimicrobial protection agent  
  
**Supplier:** Minasolve S.A.S  
 145, Chemin des Lilas  
 59310 Beuvry-la-Forêt, France  
 Tel. +33 3 20 64 3001

## II- REGULATORY INFORMATION

### 1- Compliance with cosmetic regulation

Region	Caprylyl Glycol	Phenylpropanol
<b>EUROPE</b> (European Cosmetic Regulation (EC) No 1223/2009)	Approved	Approved
<b>U.S.A.</b> (FD&C Act— 21 CFR 700 to 740)	Approved	Approved
<b>CANADA</b> (Food and Drugs Act and Cosmetic Regulations)	Approved	Approved
<b>AUSTRALIA</b> (Notification & Assessment Act 1989, as amended—TGA)	Approved	Approved
<b>JAPAN</b> (Pharmaceutical Affairs Law - regulations for cosmetics)	Approved	Approved
<b>KOREA</b> (Cosmetics Law - Korea Food & Drug Administration KFDA)	Approved	Approved
<b>CHINA</b> (IECIC 2015)	Approved	Approved

### 2- Chemical inventory status

	EU (EINECS)	USA (TSCA)	CANADA (DSL/NDSL/ R-ICL)	AUSTRALIA (AICS)	CHINA (IECSC)	JAPAN (ENCS)	KOREA (KECI/ECL)	NEW ZEALAND (NZIoC)
Caprylyl Glycol	Listed	Listed	NDSL	Listed	Listed	Listed	Listed	Listed
Phenylpropanol	Listed	Listed	DSL	Listed	Listed	Listed	Listed	Listed

### 3- Natural certification status

Ingredient ECOCERT certified: YES ☐ NO ☒  
 Ingredient COSMOS approved: YES ☐ NO ☒  
 Ingredient compliant with Natrue: YES ☐ NO ☒  
 USDA certified bio-based product: YES ☐ NO ☒

## III- PRODUCT COMPOSITION

Substance	%	INCI name	CAS n°	EC n°
1	50-70	Caprylyl Glycol	1117-86-8	214-254-7
2	20-40	Phenylpropanol	122-97-4	204-587-6
3	0-20	Water	7732-18-5	231-791-2

The above information is accurate to the best of our knowledge. Customers are advised to make their own studies on the usefulness of any ingredient for a particular application. Recommended usage information is only provided as indication, and should not be considered as recommendations to use Minasolve SAS's products in violation of any laws, patents, or official regulations dealing with manufacture, composition, local procedures, product design, or end usage.

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## IV- TOXICOLOGICAL DATA

### 1- Toxicological data

TESTS	Caprylyl Glycol	Phenylpropanol
<b>Acute Toxicity</b>	<b>Oral</b> (OECD 401, acute oral toxicity, rat): <b>LD<sub>50</sub> &gt; 2000 mg/kg bw</b> <b>Dermal</b> (OECD 402, acute dermal toxicity, rat): <b>LD<sub>50</sub> &gt; 2000 mg/kg</b>	- <b>Oral</b> (OECD 401, rat): <b>LD<sub>50</sub> = 2250 mg/kg bw</b> - <b>Dermal</b> (OECD 402, rabbit, 24 h): <b>LD<sub>50</sub> &lt; 5000 mg/kg bw</b>
<b>Skin penetration</b>	No data available	No data available
<b>Irritation eye/skin</b>	<b>EU Method B.5</b> (eye irritation/corrosion, rabbit); <b>Result:</b> <i>irritating to eyes</i>	- <b>Skin</b> irritation (OECD 439): irritating - <b>Eye</b> irritation: irritating (based on results on skin)
<b>Skin compatibility and sensitization</b>	<b>HR IPT:</b> 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	
<b>Genetic toxicity</b>	<b>AMES test:</b> <i>Negative</i> <b>Chromosome aberration:</b> <i>Negative</i>	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.
<b>Repeated dose toxicity</b>	<b>OECD 408</b> (repeated dose 90-day oral toxicity, rat): <b>NOAEL &gt; 150 - &lt; 300 mg/kg bw/day</b>	<b>NOAEL</b> (oral, rat) = 1000 mg/kg bw/day (OECD 422)
<b>Reproductive toxicity</b>	<b>OECD 421</b> (reproduction / developmental toxicity screening test, rat): <b>NOAEL ≥ 1 000 mg/kg bw/day</b> (NOAEL = highest dose tested) <b>OECD 414</b> (prenatal developmental toxicity study, rat): <b>NOAEL</b> = 150 mg/kg bw/day for maternal toxicity, <b>NOAEL</b> = 300 mg/kg bw/day for developmental toxicity, <b>NOAEL</b> = 1000 mg/kg bw/day for teratogenicity. <b>Summary:</b> <i>no teratogenic potential was observed and "toxicity to reproduction" classification of Caprylyl Glycol is therefore not considered appropriate.</i>	<b>NOAEL</b> (oral, rat) = 300 mg/kg bw/day (OECD 422)
<b>Phototoxicity</b>	No data available	No data available

### 2- Ecotoxicological data

TESTS	Caprylyl Glycol	Phenylpropanol
<b>Bioaccumulative potential</b>	<b>Log P</b> = 2.1 at 25°C => <i>Accumulation in organisms is not expected</i>	<b>Log P</b> = 1.6 at 35°C => <i>Accumulation in organisms is not expected</i>
<b>Solubility in water</b>	7.5 g/L at 20°C	7.799 g/L at 20 °C, pH 7 (OECD 105 and EU A.6)
<b>Acute aquatic ecotoxicity</b>	<b>OECD 203</b> (Fish, acute toxicity test, <i>Brachydanio rerio</i> , 96 h): <b>LC<sub>50</sub> &gt; 2.2 - &lt; 22 mg/L</b> <b>OECD 202</b> (48 hours, <i>Daphnia magna</i> ): <b>EC<sub>50</sub> &gt; 100 mg/L</b> <b>OECD 201</b> (Alga, growth inhibition test, <i>Scenedesmus subspicatus</i> and <i>Selenastrum capricornutum</i> , 72 h): <b>EC<sub>50</sub>/LC<sub>50</sub></b> for freshwater algae = 35 mg/L	<b>LC<sub>50</sub></b> (Zebra fish, 96h) = 61 mg/L (OECD 203) <b>EC<sub>50</sub></b> ( <i>Daphnia magna</i> , 48h) = 60.6 mg/L (OECD 202)
<b>Biodegradation</b>	<b>Biodegradation in water (OECD 301F, EU C.4-D and OECD 301D, EU C.4-E):</b> screening tests: aerobic biodegradation 85% and 75% (ThOD) in 28 days <b>Biodegradation in water (OECD 311):</b> screening tests: anaerobic biodegradation 70% (ThIC) in 60 days <b>Summary of results:</b> readily biodegradable	Readily biodegradable: 83 % within 28 days (OECD 301F)

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