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

1.1 Product identifier

Trade Name :	EasySafe Green A
INCI Name :	Pentylene Glycol, Phenylpropanol
MINASOLVE Code:	PFS0035
REACH Registration number :	Pentylene glycol : 01-2119491291-39-0004 Phenylpropanol : 01-2120756397-42
1.2 Relevant identified uses of the substance or mixture and uses advised against	Relevant identified uses : Ingrédient cosmétique
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)

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SECTION 2: Hazards identification

2.1 Classification of the substance or mixture
Classification according to Regulation (EC) No 1272/2008

GHS05 corrosion

Eye Dam. 1 H318 Causes serious eye damage.

GHS07

Skin Irrit. 2 H315 Causes skin irritation.
STOT SE 3 H335 May cause respiratory 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

GHS05

GHS07

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Signal word Danger

Hazard-determining components of labelling: pentane-1,2-diol
3-phenyl-1-propanol

Hazard statements
H315 Causes skin irritation.
H318 Causes serious eye damage.
H335 May cause respiratory irritation.

Precautionary statements

P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P302+P352	IF ON SKIN: Wash with plenty of water.
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
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

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SECTION 3: Composition/information on ingredients

3.2 Chemical characterisation: Mixtures

Components:

CAS: 5343-92-0 EINECS: 226-285-3	pentane-1,2-diol	Eye Dam. 1, H318	70-80%
CAS: 122-97-4 EINECS: 204-587-6	3-phenyl-1-propanol	Skin Irrit. 2, H315; Eye Irrit. 2, H319	10-20%

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. Then consult a doctor.

After swallowing: Do not induce vomiting; call for medical help immediately.

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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.

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

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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.

Suitable respiratory protective device recommended: A respiratory filter

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:	Liquid
Colour:	max 30APHA
Odour:	Faint
Odour threshold:	no data available
pH-value:	not applicable
Melting point:	< -20 °C
Initial boiling point and boiling range:	Pentane-1.2-diol : 206 °C 3-phenylpropan-1-ol : 236-238 °C
Evaporation rate:	no data available
Flash point:	Pentane-1.2-diol : 105 °C 3-phenylpropan-1-ol : 116.5 °C

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Flammability (solid, gas):	Not flammable
Decomposition temperature:	no data available
Auto-ignition temperature:	Pentane-1,2-diol : 380 °C 3-phenylpropan-1-ol : 405 °C
Explosive properties:	Product does not present an explosion hazard.
Explosion limits:	not applicable
Oxidising properties:	No oxidizing properties
Vapour pressure:	Pentane-1.2-diol : 1hPa (20 °C) 3-phenylpropan-1-ol : 25Pa (20 °C)
Density:	
Relative density at 20 °C:	0.96-0.99 g/ml
Vapour density:	no data available
Solubility(ies)	
water:	2g/l
Partition coefficient: n-octanol/water:	Pentane-1.2-diol : 0.2 (20 °C) 3-phenylpropan-1-ol : 1.6 (35 °C)
Viscosity at 20 °C:	33 mPa/s
9.2 Other information	Refractive index (nD20) : 1.455-1.465

SECTION 10: Stability and reactivity

10.1 Reactivity	no data available
10.2 Chemical stability	Stable under the recommended storage conditions
10.3 Possibility of hazardous reactions	no data available
10.4 Conditions to avoid	no data available
10.5 Incompatible materials:	Oxidizing agents
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:

5343-92-0 pentane-1,2-diol

Oral	LD50 (static)	>5,000 mg/kg (rat)
Dermal	LD50 (static)	>2,000 mg/kg (rat)
Inhalative	LC50/4 h (static)	>7,015 mg/l (rat)

Primary irritant effect:

Skin corrosion/irritation Causes skin irritation.

Serious eye damage/irritation Causes serious eye damage.

Respiratory or skin sensitisation Based on available data, the classification criteria are not met.

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Repeated dose toxicity Pentane-1,2-diol :
Oral NOAEL = 1000 mg/kg/day
Dermal NOAEL = 700 mg/kg/day

CMR effects (carcinogenity, mutagenicity and toxicity for reproduction)

Germ cell mutagenicity Pentane-1,2-diol :
AMES test negative : not mutagenic
Chromosomal aberration test : Negative

Carcinogenicity Based on available data, the classification criteria are not met.

Reproductive toxicity Pentane-1,2-diol :
No effects on reproduction
Not teratogenic

STOT-single exposure May cause respiratory irritation.

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:	
5343-92-0 pentane-1,2-diol	
EC50/48h (static)	>500 mg/l (Daphnia magna)
LC50/96h (static)	>1,000 mg/l (Zebra fish)

12.2 Persistence and degradability Pentane-1,2-diol :
Readily biodegradable, but failing 10-day window (OECD 301E)
3-phenylpropan-1-ol :
Easily biodegradable

12.3 Bioaccumulative potential Pentane-1,2-diol :
Log Kow = 0.06 (25°C)
Due to the distribution coefficient n-octanol/water, an accumulation in organisms is not expected.
3-phenylpropan-1-ol :
Log Kow = 1.6 (35°C)

12.4 Mobility in soil Pentane-1,2-diol :
Koc = 1
Log Koc = 0
Adsorption on solid phase of soil is not expected

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

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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.

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.
H318 Causes serious eye damage.
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)

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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 Dam. 1: Serious eye damage/eye irritation – Category 1
Eye Irrit. 2: Serious eye damage/eye irritation – Category 2
STOT SE 3: Specific target organ toxicity (single exposure) – Category 3

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