

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

Printing date 02.05.2018

Version n° 3

Revision: 02.05.2018

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

1.1 Product identifier

Mixture of pentane-1,2-diol, glycerin, citrus extracts, ascorbic acid, citric acid, lactic acid and demineralised water

Trade Name :

E-Leen Green OR

INCI Name :

Pentylene Glycol, Glycerin, Citrus Aurantium Amara (Bitter Orange) Fruit Extract, Citrus Reticulata (Tangerine) Fruit Extract, Citrus Aurantium Sinensis (Orange) Peel Extract, Ascorbic Acid, Citric Acid, Lactic Acid

MINASOLVE Code:

PFS0036

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



GHS05 corrosion

Eye Dam. 1 H318 Causes serious eye damage.

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

Signal word

Danger

Hazard-determining components of labelling:

pentane-1,2-diol

Hazard statements

H318 Causes serious eye damage.

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Precautionary statements

P262 Do not get in eyes, on skin, or on clothing.
 P280 Wear protective gloves/protective clothing/ eye protection/face protection.
 P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P310 Immediately call a POISON CENTER/ doctor/-
 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: 5343-92-0 EINECS: 226-285-3	pentane-1,2-diol ☠ Eye Dam. 1, H318	85-93%
CAS: 56-81-5 EINECS: 200-289-5	glycerol substance with a Community workplace exposure limit	4-7%
	citrus extracts ⚠ Skin Irrit. 2, H315; Eye Irrit. 2, H319	3-5%
CAS: 50-81-7 EINECS: 200-066-2	ascorbic acid	0.1-0.5%
CAS: 77-92-9 EINECS: 201-069-1	citric acid ⚠ Eye Irrit. 2, H319	0.1-0.2%
CAS: 79-33-4 EINECS: 201-196-2	lactic acid ☠ Eye Dam. 1, H318; ⚠ Skin Irrit. 2, H315	0.1-0.2%
CAS: 7732-18-5 EINECS: 231-791-2	water, distilled, conductivity or of similar purity	< 2.0%

Citrus extracts is a mixture of :

Citrus Aurantium Amara (Bitter Orange) Fruit Extract, CAS 72968-50-4

Citrus Reticulata (Tangerine) Fruit Extract, CAS 8008-31-9

Citrus Aurantium Sinensis (Orange) Peel Extract, CAS 97766-30-8

REACH registration number :

Pentylene Glycol : 01-2119491291-39-0004

Glycerin : currently exempted from REACH due to annual volume < 1 mt

Citrus Extracts : currently exempted from REACH due to annual volume < 1 mt

Ascorbic Acid : currently exempted from REACH due to annual volume < 1 mt

Citric Acid : currently exempted from REACH due to annual volume < 1 mt

Lactic Acid : currently exempted from REACH due to annual volume < 1 mt

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Additional information:

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

SECTION 4: First aid measures

4.1 Description of first aid measures

<u>After inhalation:</u>	Supply fresh air. If required, provide artificial respiration. Consult doctor if symptoms persist.
<u>After skin contact:</u>	Remove contaminated clothes, wash affected area with soap and water and rinse thoroughly. If skin irritation continues, consult a doctor.
<u>After eye contact:</u>	Rinse opened eye for several minutes under running water. Then consult a doctor.
<u>After swallowing:</u>	Do not induce vomiting; call for medical help immediately.

4.2 Most important symptoms and effects, both acute and delayed

not applicable

4.3 Indication of any immediate medical attention and special treatment needed

Symptomatic treatment.

SECTION 5: Firefighting measures

5.1 Suitable extinguishing agents:

CO2, powder or foam

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:

Cover with sand or another absorbent material
Send for recovery or disposal in suitable receptacles.

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6.4 Reference to other sections See Section 13 for disposal information.

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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)

not applicable

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Ingredients with limit values that require monitoring at the workplace:

56-81-5 glycerol

WEL Long-term value: 10 mg/m³

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.

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

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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:	Yellow
	max 700mg/l Pt (APHA-HAZEN)
Odour:	Faint
Odour threshold:	no data available
pH-value at 20 °C:	2.5 - 4.0 (10% aqueous solution)
Melting point:	< 20 °C
Initial boiling point and boiling range:	206 °C (pentylene glycol) 290°C (glycerin)
Evaporation rate:	no data available
Flash point:	105 °C (pentylene glycol) 191°C (glycerin)
Flammability (solid, gas):	Not flammable
Ignition temperature:	400 °C
Decomposition temperature:	no data available
Auto-ignition temperature:	380°C (pentylene glycol) 400°C (glycerin)
Explosive properties:	Product does not present an explosion hazard.
Explosion limits:	not applicable
Oxidising properties:	No oxidizing properties
Vapour pressure:	1hPa at 20 °C (pentylene glycol) 0.00121Pa at 40°C (glycerin)
Density:	
Relative density at 20 °C:	0.98 - 1.02 g/ml
Vapour density:	no data available
Evaporation rate	no data available
Solubility(ies)	
water:	Soluble.
Partition coefficient: n-octanol/water:	0.2 at 20 °C (pentylene glycol) -1.76 at 20°C (glycerin)
Viscosity:	no data available
9.2 Other information	Refractive index (nD20) : 1.445 - 1.450

GB

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SECTION 10: Stability and reactivity

10.1 Reactivity

No further relevant information 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

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

Serious eye damage/irritation

Causes serious eye damage.

Respiratory or skin sensitisation

Pentane-1,2-diol : not sensitizing to skin.

Irritation and corrosivity

Pentane-1,2-diol :

Eyes : Serious eye damage/eye irritation - rabbit : irreversible effects (OECD Method 405)

Skin : Non-irritating

Repeated dose toxicity

Pentane-1,2-diol :

Oral NOAEL = 1000 mg/kg/day

Dermal NOAEL = 700 mg/kg/day

CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

Germ cell mutagenicity

Pentane-1,2-diol :

AMES test negative

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

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:

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)

12.3 Bioaccumulative potential

Pentane-1,2-diol :
Due to the distribution coefficient n-octanol/water an accumulation in organisms is not expected.
Log Kow = 0.06 (25 °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
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

not applicable

14.2 UN proper shipping name

not applicable

ADR

Void

14.3 Transport hazard class(es)

not applicable

14.4 Packing group

not applicable

14.5 Environmental hazards:

not applicable

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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

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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)

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

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