

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

Printing date 13.03.2019

Version n° 6

Revision: 13.03.2019

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

1.1 Product identifier

Trade Name : E-Leen Green C
INCI Name : Pentylene glycol, glyceryl caprylate/caprate
MINASOLVE Code: PFS0034

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.

Precautionary statements

P262 Do not get in eyes, on skin, or on clothing.

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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	85-90%
CAS: 85536-07-8 EINECS: 287-488-0	Glycerides, C8-10 mono- and di-		10-15%

REACH registration number : Pentylene glycol : 01-2119491291-39-0004
 Glyceryl caprylate/caprate : 01-2119963379-22-0001

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.

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:

CO2, powder, foam, water or water spray

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5.2 Special hazards arising from the substance or mixture

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

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.

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

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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:	Colourless
Odour:	Odourless or faint
Odour threshold:	no data available
pH-value:	neutral (aqueous solution)
Melting point:	<-20 °C
Initial boiling point and boiling range:	206 °C (pentylene glycol)
Evaporation rate:	no data available
Flash point:	110 °C (pentylene glycol)
Flammability (solid, gas):	Low
Decomposition temperature:	No decomposition if the regulations / notes for storage and handling are observed.
Auto-ignition temperature:	380°C (pentylene glycol)
Explosive properties:	no data available
Explosion limits:	no data available
Oxidising properties:	no data available
Vapour pressure at 20 °C:	<1 hPa (pentylene glycol)
Density:	
Relative density at 20 °C:	0.970 - 0.980 g/ml
Vapour density at 20 °C:	0.97 g/cm³ (pentylene glycol)
Solubility(ies)	
water at 20 °C:	30 %
Partition coefficient: n-octanol/water:	Pentylene glycol : 0.06 Glyceryl caprylate : 1.8 Glyceryl caprate : 2.8
Viscosity:	no data available
9.2 Other information	Refractive index (nD20) : 1.430 - 1.450

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SECTION 10: Stability and reactivity

10.1 Reactivity

No further relevant information available.

10.2 Chemical stability

Conditions to be avoided:

No decomposition if used and stored according to specifications.

10.3 Possibility of hazardous reactions

no data available

10.4 Conditions to avoid

no data available

10.5 Incompatible materials:

Bases
Oxidizing agents
Acids

10.6 Hazardous decomposition products:

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

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

Pentane-1,2-diol : not irritating.
Glyceryl caprylate/caprate : not irritating.

Serious eye damage/irritation

Causes serious eye damage.
Pentane-1,2-diol : rabbit, irreversible effects (OECD Method 405).
Glyceryl caprylate/caprate : not irritating.

Respiratory or skin sensitisation

Pentane-1,2-diol : not sensitizing to skin.
Glyceryl caprylate/caprate: not sensitizing.

Repeated dose toxicity

Pentane-1,2-diol :
Oral NOAEL = 1000 mg/kg/j
Dermal NOAEL = 700 mg/kg/j

CMR effects (carcinogenicity, 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 effect 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)
 Glyceryl caprylate/caprate : easily biodegradable

12.3 Bioaccumulative potential no data available

12.4 Mobility in soil no data available

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

14.3 Transport hazard class(es) not applicable

14.4 Packing group not applicable

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

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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

H318 Causes serious eye damage.

Abbreviations and acronyms:

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
Eye Dam. 1: Serious eye damage/eye irritation – Category 1

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

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