

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

Printing date 13.03.2019

Version n° 4

Revision: 13.03.2019

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

**1.1 Product identifier**

**Mixture of pentane-1,2-diol, water and 2-hydroxyethanesulphonic acid, 4,4'-[hexane-1,6-diylbis(oxy)]bis[benzenecarboxamidine] (2:1)**

**Trade Name :**

EasySafe Hexam+

**INCI Name :**

Pentylene glycol, water and hexamidine diisethionate

**MINASOLVE Code:**

PFS0032

**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

P280 Wear 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	70-90%
CAS: 659-40-5 EINECS: 211-533-5	2-hydroxyethanesulfonic acid, compound with 4,4'-[hexane-1,6-diylbis(oxy)]bis[benzenecarboxamidine] (2:1) ⚠ Acute Tox. 4, H302	3-7%
CAS: 7732-18-5 EINECS: 231-791-2	water, distilled, conductivity or of similar purity	10-30%

#### REACH registration number :

Pentylene glycol : 01-2119491291-39-0004

Hexamidine diisethionate : exempted (&lt; 1mt/year)

#### 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

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**4.3 Indication of any immediate medical attention and special treatment needed**

no data available

### SECTION 5: Firefighting measures

**5.1 Suitable extinguishing agents:**

CO<sub>2</sub>, 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, NO<sub>x</sub>, SO<sub>x</sub>

**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.

#### 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

<u>Appearance:</u>	Liquid
<u>Colour:</u>	Colourless
<u>Odour:</u>	Odourless or faint
<u>Odour threshold:</u>	no data available
<u>pH-value at 20 °C:</u>	4.0 +/- 1.0
<u>Melting point:</u>	<-20 °C
<u>Initial boiling point and boiling range:</u>	100 °C
<u>Evaporation rate:</u>	no data available
<u>Flash point:</u>	no data available
<u>Flammability (solid, gas):</u>	no data available
<u>Decomposition temperature:</u>	> 100 °C

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**Auto-ignition temperature:** no data available

**Explosive properties:** no data available

**Explosion limits:** no data available

**Oxidising properties:** no data available

**Vapour pressure:** no data available

**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:** Miscible

**alcohols:** Miscible in :

Ethanol

**Partition coefficient: n-octanol/water:** no data available

**Viscosity at 20 °C:** 24 mPas  
(HAAKE Viscotester 6 plus, L1, 100 rpm)

**9.2 Other information** no data available

### 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:** Oxidizing agents

**10.6 Hazardous decomposition products:** Formation of toxic gases is possible during heating or in case of fire : CO, NO<sub>x</sub>, SO<sub>x</sub>

### 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.

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**Serious eye damage/irritation**

Causes serious eye damage.

Pentane-1,2-diol

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

Skin : Non-irritating

**Respiratory or skin sensitisation**

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

**Sensitisation**

no data available

**CMR effects (carcinogenity, mutagenicity and toxicity for reproduction)**

No CMR ingredient.

**Germ cell mutagenicity**

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

**Carcinogenicity**

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

**Reproductive toxicity**

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

**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.

**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)

### **12.3 Bioaccumulative potential**

Pentane-1,2-diol:

Due to the distribution coefficient n-octanol / water, an accumulation in organisms is not probable.

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 unexpected

### **12.5 Results of PBT and vPvB assessment**

no data available

### **12.6 Other adverse effects**

no data available

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### 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

<b>14.1 UN-Number</b>	not applicable
<b>14.2 UN proper shipping name</b>	not applicable
<b>14.3 Transport hazard class(es)</b>	not applicable
<b>14.4 Packing group</b>	not applicable
<b>14.5 Environmental hazards:</b>	no data available
<b>14.6 Special precautions for user</b>	no data available
<b>14.7 Transport in bulk according to Annex II of Marpol and the IBC Code</b>	not applicable

### 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

H302 Harmful if swallowed.  
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

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PBT: Persistent, Bioaccumulative and Toxic  
vPvB: very Persistent and very Bioaccumulative  
Acute Tox. 4: Acute toxicity – Category 4  
Eye Dam. 1: Serious eye damage/eye irritation – Category 1

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

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