

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

1.1. Product identifier

Product form : Mixture
Product name. : Biosafe
Product code : 570

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.2.1. Relevant identified uses

Main use category : Industrial use
Use of the substance/mixture : See product bulletin for detailed information.

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

CID LINES NV
Waterpoortstraat, 2
B-8900 Ieper - Belgique
T + 32 57 21 78 77 - F +32 57 21 78 79
sds@cidlines.com - <http://www.cidlines.com>

1.4. Emergency telephone number

Country	Organisation/Company	Address	Emergency number
BELGIUM	Centre Anti-Poisons/Antigifcentrum c/o Hôpital Central de la Base - Reine Astrid	Rue Bruyn B - 1120 Brussels	+32 70 245 245
UNITED KINGDOM	Guy's & St Thomas' Poisons Unit Medical Toxicology Unit, Guy's & St Thomas' Hospital Trust	Avonley Road SE14 5ER London	0870 243 2241
Worldwide	www.who.int/ipcs/poisons/centre/directory/en		

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

C; R35
Full text of R-phrases: see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP) :



GHS05

Signal word (CLP) : Danger
Hazard statements (CLP) : H314 - Causes severe skin burns and eye damage
Precautionary statements (CLP) : P280 - Wear protective gloves/protective clothing/eye protection/face protection
P260 - Do not breathe dust/fume/gas/mist/vapours/spray
P303 - IF ON SKIN (or hair): Remove immediately all contaminated clothing. Wash with plenty of soap and water.
P304+P340: IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing. Immediately call a POISON CENTER or doctor/physician. Specific treatment is urgent.
P305 - IF IN EYES Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/physician. Specific treatment.
P301+P330+P331+P310+P321 - IF SWALLOWED Rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTER or doctor/physician. Specific treatment.

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Labelling according to Directive 67/548/EEC or 1999/45/EC

Hazard symbols :



C - Corrosive

R-phrases :

R35 - Causes severe burns

S-phrases :

S26 - In case of contact with eyes, rinse immediately with plenty of water and seek medical advice

S28 - After contact with skin, wash immediately with plenty of water

S36/37/39 - Wear suitable protective clothing, gloves and eye/face protection

S45 - In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible)

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

Name	Product identifier	%	Classification according to Directive 67/548/EEC
Fatty alcohol ethoxylate	(CAS No)160875-66-1 (REACH-no)02-2119549160-47	5 - 15	Xn; R22 Xi; R41
2-(2-butoxyethoxy)ethanol	(CAS No)112-34-5 (EC no)203-961-6 (EC index no)603-096-00-8 (REACH-no)01-2119475104-44	1 - 5	Xi; R36
N,N-bis(carboxymethyl)-alanine, trisodium salt	(CAS No)164462-16-2 (REACH-no)01-0000016977-53	1 - 5	Xi; R36
Potassium hydroxide	(CAS No)1310-58-3 (EC no)215-181-3 (EC index no)19-002-00-8 (REACH-no)01-2119487136-33	1 - 5	Xn; R22 C; R35

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Fatty alcohol ethoxylate	(CAS No)160875-66-1 (REACH-no)02-2119549160-47	5 - 15	Eye Dam. 1, H318 Acute Tox. 4 (Oral), H302
2-(2-butoxyethoxy)ethanol	(CAS No)112-34-5 (EC no)203-961-6 (EC index no)603-096-00-8 (REACH-no)01-2119475104-44	1 - 5	Eye Irrit. 2, H319
N,N-bis(carboxymethyl)-alanine, trisodium salt	(CAS No)164462-16-2 (REACH-no)01-0000016977-53	1 - 5	Met. Corr. 1, H290
Potassium hydroxide	(CAS No)1310-58-3 (EC no)215-181-3 (EC index no)19-002-00-8 (REACH-no)01-2119487136-33	1 - 5	Acute Tox. 4 (Oral), H302 Skin Corr. 1A, H314

Full text of R- and H-phrases: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures after inhalation : Assure fresh air breathing. Allow the victim to rest. Seek medical attention immediately.

First-aid measures after skin contact : Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse. Seek medical attention immediately.

First-aid measures after eye contact : Rinse immediately with plenty of water. Seek medical attention immediately.

First-aid measures after ingestion : Rinse mouth. Do not induce vomiting because of corrosive effects. Take to hospital.

4.2. Most important symptoms and effects, both acute and delayed

No additional information available

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

No additional information available

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SECTION 5: Firefighting measures

5.1. Extinguishing media

No additional information available

5.2. Special hazards arising from the substance or mixture

Reactivity : Thermal decomposition generates :Corrosive vapours.

5.3. Advice for firefighters

Precautionary measures fire : Do not enter fire area without proper protective equipment, including respiratory protection.

Firefighting instructions : Exercise caution when fighting any chemical fire.

Other information : Use water spray or fog for cooling exposed containers.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : Spill should be handled by trained cleaning personnel properly equipped with respiratory and eye protection.

6.1.1. For non-emergency personnel

No additional information available

6.1.2. For emergency responders

No additional information available

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if product enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

For containment : Collect spills and put it into appropriated container.

6.4. Reference to other sections

No additional information available

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Keep away from food, drink and animal feeding stuffs. Wash hands and other exposed areas with mild soap and water before eat, drink or smoke and when leaving work. Both local exhaust and general room ventilation are usually required.

Hygiene measures : Ensure prompt removal from eyes, skin and clothing. Avoid all unnecessary exposure.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Keep only in the original container in a cool, well ventilated place. Keep container closed when not in use. Do not store in corrodable metal.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

No additional information available

8.2. Exposure controls

Personal protective equipment : Protective goggles. Protective clothing. Gloves. Insufficient ventilation: wear respiratory protection. Face shield.



Hand protection : Wear suitable gloves resistant to chemical penetration. chemical resistant PVC gloves (to European standard EN 374 or equivalent).

Eye protection : Chemical goggles or face shield with safety glasses. Use eye protection to EN 166, designed to protect against liquid splashes.

Skin and body protection : Wear suitable protective clothing. Protective clothing compliant with EN 943 part 2.

Respiratory protection : Approved dust or mist respirator should be used if airborne particles are generated when handling this material. Full-/half-/quarter-face masks (DIN EN 136/140).

Other information : When using do not eat, drink or smoke. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Provide local exhaust or general room ventilation.

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SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Colour	: Green.
Odour	: Lemon.
Odour threshold	: No data available
pH	: ca 12 (1%)
Relative evaporation rate (butylacetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: No data available
Self ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: No data available
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: ca 1,1
Solubility	: No data available
Log Pow	: No data available
Log Kow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

Thermal decomposition generates :Corrosive vapours.

10.2. Chemical stability

No additional information available

10.3. Possibility of hazardous reactions

None under normal conditions.

10.4. Conditions to avoid

Avoid contact with :Acids.

10.5. Incompatible materials

No additional information available

10.6. Hazardous decomposition products

None under normal conditions.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity	: Corrosive to eyes, respiratory system and skin.
Irritation	: Corrosive pH: ca 12 (1%)
Corrosivity	: Causes severe burns. pH: ca 12 (1%)
Sensitisation	: Not applicable
Repeated dose toxicity	: No data available.
Carcinogenicity	: No data available.
Mutagenicity	: No data available.
Toxicity for reproduction	: No data available

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SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : No data available.

12.2. Persistence and degradability

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Persistence and degradability	The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.
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12.3. Bioaccumulative potential

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Bioaccumulative potential	No data available.
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12.4. Mobility in soil

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Ecology - soil	No data available.
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12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

Other adverse effects : This product contains hazardous components for the environment. May cause long-term adverse effects in the aquatic environment.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Regional legislation (waste) : Dispose in a safe manner in accordance with local/national regulations. Avoid release to the environment. Dispose of this material and its container at hazardous or special waste collection point.

SECTION 14: Transport information

In accordance with ADR / RID / ADNR / IMDG / ICAO / IATA

14.1. UN number

UN-No : 3267

14.2. UN proper shipping name

Proper Shipping Name : CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S.
Transport document description : UN 3267 CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S. (Potassium hydroxide), 8, III, (E)

14.3. Transport hazard class(es)

Class (UN) : 8
Hazard labels (UN) : 8



14.4. Packing group

Packing group (UN) : III

14.5. Environmental hazards

Other information : Clean up even minor leaks or spills if possible without unnecessary risk.

14.6. Special precautions for user

Special transport precautions : The driver shall not attempt to deal with any fire of the load. No naked lights. No smoking. Keep public away from danger area. NOTIFY POLICE AND FIRE BRIGADE IMMEDIATELY.

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14.6.1. Overland transport

Hazard identification number (Kemler No.) : 80
Classification code (ADR) : C7
Orange plates :



Tunnel restriction code : E
LQ : LQ07
Excepted quantities (ADR) : E1
EAC code : 2X

14.6.2. Transport by sea

Not applicable

14.6.3. Air transport

Not applicable

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1. EU-Regulations

No REACH Annex XVII restrictions

Contains no REACH candidate substance

Other information, restriction and prohibition regulations : Ensure all national/local regulations are observed.

15.1.2. National regulations

Water hazard class (WGK) : 1 - slightly hazardous to water

15.2. Chemical safety assessment

No data available.

SECTION 16: Other information

Classification according to Regulation (EC) No. 1272/2008 [CLP]:

Skin Corr. 1B H314
Eye Dam. 1 H318

Full text of R-, H- and EUH-phrases::

Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Met. Corr. 1	Corrosive to metals, Category 1
Skin Corr. 1A	Skin corrosion/irritation, Category 1A
H290	May be corrosive to metals
H302	Harmful if swallowed
H314	Causes severe skin burns and eye damage
H318	Causes serious eye damage
H319	Causes serious eye irritation
R22	Harmful if swallowed
R35	Causes severe burns
R36	Irritating to eyes
R41	Risk of serious damage to eyes
C	Corrosive
Xi	Irritant
Xn	Harmful

SDS EU CLP DPD

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product