

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

1.1. Product identifier

Product form : Liquid
Product name. : BIOGEL
Product code : 42

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 of the substance/preparation : 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
info@cidlines.com - sds@cidlines.com - <http://www.cidlines.com>

1.4. Emergency telephone number

| Country | Official advisory body | Address | Emergency number |
|-----------|--|---------|------------------|
| 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

Serious eye damage/irritation. Skin corrosion/irritation.

2.2. Label elements

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

Hazard pictograms (CLP) :



GHS05

Signal word (CLP) : Danger
Hazardous ingredients : Sodium hydroxide
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, vapours, gas, mist, spray
P303 - IF ON SKIN (or hair): Remove immediately contaminated clothing., Wash with plenty of soap and water
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 - IF SWALLOWED: Rinse mouth., Do NOT induce vomiting, Immediately call a POISON CENTER or doctor/physician, Specific treatment.

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according to Regulation (EC) No. 453/2010

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

Hazard symbols :



C - Corrosive

Hazardous ingredients :

Sodium hydroxide

R-phrases :

R35 - Causes severe burns.

S-phrases :

S2 - Keep out of the reach of children.
S26 - In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S27 - Take off immediately all contaminated clothing.
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. Substances

Not applicable

3.2. Mixtures

| Name | Product identifier | % | Classification according to Directive 67/548/EEC |
|--|--|---------|--|
| Sodium hydroxide | (CAS No.)1310-73-2 (EC no)215-185-5 (EC index no)11-002-00-6 (REACH-no)01-2119457892-27 | 5 - 15 | C; R35 |
| N,Nalkyl(lauryl)dimethylamineoxide | (CAS No.)1643-20-5 (EC no)216-700-6 | 5 - 15 | Xi; R41 Xi; R38 N; R50 |
| N,N-bis(carboxymethyl)-alanine, trisodium salt | (CAS No.)164462-16-2 (REACH-no)01-0000016977-53 | 1 - 5 | Xi; R36 |
| Amines, C12-14-alkyldimethyl | (CAS No.)84649-84-3 (EC no)283-464-9 | 0,1 - 1 | Xn; R22 C; R34 N; R50 |

| Name | Product identifier | % | Classification according to Regulation (EC) No. 1272/2008 [CLP] |
|--|--|---------|---|
| Sodium hydroxide | (CAS No.)1310-73-2 (EC no)215-185-5 (EC index no)11-002-00-6 (REACH-no)01-2119457892-27 | 5 - 15 | Met. Corr. 1, H290 Skin Corr. 1A, H314 |
| N,Nalkyl(lauryl)dimethylamineoxide | (CAS No.)1643-20-5 (EC no)216-700-6 | 5 - 15 | Eye Dam. 1, H318 Skin Irrit. 2, H315 Aquatic Acute 1, H400 Acute Tox. 4 (Oral), H302 |
| N,N-bis(carboxymethyl)-alanine, trisodium salt | (CAS No.)164462-16-2 (REACH-no)01-0000016977-53 | 1 - 5 | Met. Corr. 1, H290 |
| Amines, C12-14-alkyldimethyl | (CAS No.)84649-84-3 (EC no)283-464-9 | 0,1 - 1 | Skin Corr. 1B, H314 Eye Dam. 1, H318 Acute Tox. 4 (Oral), H302 Aquatic Acute 1, H400 |

Full text of R-, H- and EUH-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 advice.
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

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

No additional information available

SECTION 5: Firefighting measures

5.1. Extinguishing media

No additional information available

5.2. Special hazards arising from the substance or mixture

No additional information available

5.3. Advice for firefighters

Firefighting instructions : Do not enter fire area without proper protective equipment, including respiratory protection. Exercise caution when fighting any chemical fire. 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

Methods for cleaning up : 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 : Avoid all unnecessary exposure. Ensure prompt removal from eyes, skin and clothing. Both local exhaust and general room ventilation are usually required.

Hygiene measures : 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.

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.

Packaging materials : 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

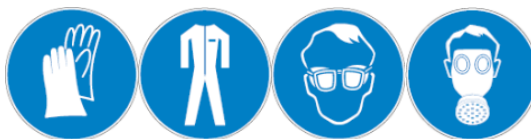
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8.2. Exposure controls

- Appropriate engineering controls : Emergency eye wash fountains should be available in the immediate vicinity of any potential exposure. Provide local exhaust or general room ventilation.
- Personal protective equipment : Gloves. Protective clothing. Protective goggles. Insufficient ventilation: wear respiratory protection.



- Hand protection : Wear suitable gloves resistant to chemical penetration.
- Eye protection : Chemical goggles or face shield with safety glasses.
- Skin and body protection : Wear suitable protective clothing.
- Respiratory protection : Approved dust or mist respirator should be used if airborne particles are generated when handling this material.
- Consumer exposure controls : When using, do not eat, drink or smoke.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

- Physical state : Liquid
- Colour : amber.
- Odour : Odourless.
- Odour threshold : No data available
- pH : ca. 12,5 (1%)
- Relative evaporation rate (butylacetate=1) : No data available
- Melting point : No data available
- Freezing point : - 15 °C
- Boiling point : 90 °C
- 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 : No data available
- Density : ca. 1,06 kg/l
- Solubility : Soluble in water.
- Log Pow : No data available
- Log Kow : No data available
- Viscosity, kinematic : No data available
- Viscosity, dynamic : < 2000 cP (10%)
- 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

No additional information available

10.2. Chemical stability

No additional information available

10.3. Possibility of hazardous reactions

None under normal conditions.

10.4. Conditions to avoid

No additional information available

10.5. Incompatible materials

Avoid contact with : aluminium. Strong acids.

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according to Regulation (EC) No. 453/2010

10.6. Hazardous decomposition products

Thermal decomposition generates : Corrosive vapours.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

| | |
|---|---|
| Acute toxicity | : Not classified |
| Irritation | : Not classified pH: ca. 12,5 (1%) |
| Corrosivity | : Causes severe burns. pH: ca. 12,5 (1%) |
| Sensitisation | : Not classified |
| Repeated dose toxicity | : Not classified |
| Carcinogenicity | : Not classified |
| Mutagenicity | : Not classified |
| Toxicity for reproduction | : Not classified |
| Potential Adverse human health effects and symptoms | : Corrosive to eyes, respiratory system and skin. |

SECTION 12: Ecological information

12.1. Toxicity

No additional information available

12.2. Persistence and degradability

No additional information available

12.3. Bioaccumulative potential

No additional information available

12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations : Dispose of this material and its container to hazardous or special waste collection point.
Dispose in a safe manner in accordance with local/national regulations.

SECTION 14: Transport information

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

14.1. UN number

UN-No. : 3266

14.2. UN proper shipping name

Proper Shipping Name : CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S.
Transport document description : UN 3266 CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S. (Sodium 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.

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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.

14.6.1. Overland transport

Hazard identification number (Kemler No.) : 80

Classification code (ADR) : C5

Orange plates :



Tunnel restriction code : E

Excepted quantities (ADR) : E1

EAC code : 2X

APP code : B

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

15.1.2. National regulations

Water hazard class (WGK) : 2 - hazardous to water

15.2. Chemical safety assessment

No additional information available

SECTION 16: Other information

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

Skin Corr. 1A

H314

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

| | |
|---------------------|--|
| Acute Tox. 4 (Oral) | Acute toxicity (oral) Category 4 |
| Aquatic Acute 1 | Hazardous to the aquatic environment - Acute Hazard Category 1 |
| Eye Dam. 1 | Serious eye damage/eye irritation Category 1 |
| Met. Corr. 1 | Corrosive to metals Category 1 |
| Skin Corr. 1A | skin corrosion/irritation Category 1A |
| Skin Corr. 1B | skin corrosion/irritation Category 1B |
| Skin Irrit. 2 | skin corrosion/irritation Category 2 |
| H290 | May be corrosive to metals |
| H302 | Harmful if swallowed |
| H314 | Causes severe skin burns and eye damage |
| H315 | Causes skin irritation |
| H318 | Causes serious eye damage |
| H400 | Very toxic to aquatic life |
| R22 | Harmful if swallowed. |
| R34 | Causes burns. |
| R35 | Causes severe burns. |
| R36 | Irritating to eyes. |
| R38 | Irritating to skin. |
| R41 | Risk of serious damage to eyes. |
| R50 | Very toxic to aquatic organisms. |
| C | Corrosive |
| N | Dangerous for the environment |
| 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.