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C : Corrosive



8 : Corrosive substance.

Danger



Producer

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

1.1. Product identifier

Identification of the product : Liquid.
 Trade name : BIOGEL
 Type of product : Cleaning product. Alkaline mixture.

1.2. Other

Use : Industrial. See product bulletin for detailed information.

1.3. - Company

Company identification : CID LINES NV
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1.4. Emergency telephone number

+ 32 70 245 245

SECTION 2. Hazards identification

2.1. Classification of the substance or mixture

Classification EC 67/548 or EC 1999/45

: C; R35

Hazard Class and Category Code Regulation EC 1272/2008 (CLP)


• Health hazards : Skin corrosion - Category 1A - Danger (CLP : Skin Corr. 1A)
 Serious eye damage - Category 1 - Danger (CLP : Eye Dam. 1)

2.2. Label elements

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SECTION 2. Hazards identification (continued)

Labelling EC 67/548 or EC 1999/45

• Symbol(s)



: C: Corrosive.

• R Phrase(s)

: R35 : Causes severe burns.

• S Phrase(s)

: 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 when possible).

Labelling Regulation EC 1272/2008 (CLP)

• Hazard pictograms



• Hazard pictograms code

: SGH05

• Signal words

: Danger

• Hazard statements

: H314 : Causes severe skin burns and eye damage.

• Pictograms (Precautionary statements)



• Precautionary statements

- Prevention

: P280 : Wear protective gloves/protective clothing/eye protection/face protection.
P260 : Do not breathe dust/fume/gas/mist/vapours/spray.

- Response

: P303: IF ON SKIN (or hair) : Remove immediately all 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. Specific treatment.

P301+P330+P331+P310+P321: IF SWALLOWED : Rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTER or doctor. Specific treatment.

2.3. Other hazards

None under normal conditions.

SECTION 3. Composition/information on ingredients

Substance / Preparation


: Preparation.

Substance name	Contents	CAS No	EC No	Index No	REACH	Classification
Sodium hydroxide	: 5 - 15 %	1310-73-2	215-185-5	011-002-00-6	-----	C; R35 ----- Skin Corr. 1A+ Eye Dam 1

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SECTION 3. Composition/information on ingredients (continued)

Substance name	Contents	CAS No	EC No	Index No	REACH	Classification
N,Nalkyl(lauryl) dimethylamineoxide	5 - 15 %	1643-20-5	216-700-6	----	----	Xi; R38-41 N; R50 ----- Eye Dam 1 Skin Irrit. 2 Aquatic Acute 1
METHYL GLYCINE DIACETIC ACID, TRISODIUM SALT	1 - 5 %	164462-16-2	----	----	01-0000016977-53	Xi; R36 ----- Eye irrit 2
Amines, C12-14-alkyldimethyl	0.1 - 1 %	84649-84-3	283-464-9	----	----	Xn; R22 C; R34 N; R50 ----- Skin Corr. 1B Eye Dam 1 Acute Tox. 4 (oral) Aquatic Acute 1

SECTION 4. First aid measures

4.1. Description of first aid measures

First aid

- Inhalation : Assure fresh air breathing. Allow the victim to rest. Seek medical attention immediately.
- Skin contact : Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse. Seek medical advice.
- Eye contact : Rinse immediately with plenty of water. Seek medical attention immediately.
- 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 data available.

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

No data available.

SECTION 5. Fire-fighting measures

5.1. Extinguishing media

No data available.

5.2. Special hazards arising from the substance or mixture

Hazardous combustion products : Thermal decomposition generates : Corrosive vapours.

5.3. Advice for fire-fighters

- Protection against fire** : Do not enter fire area without proper protective equipment, including respiratory protection.
- Special procedures** : Exercise caution when fighting any chemical fire.
- Surrounding fires** : Use water spray or fog for cooling exposed containers.

SECTION 6. Accidental release measures


6.1. Personal precautions, protective equipment and emergency procedures

- Personal precautions** : Spill should be handled by trained cleaning personnel properly equipped with respiratory and eye protection.

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SECTION 6. Accidental release measures (continued)

6.2. Environmental precautions

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

After spillage and/or leakage : Collect spills and put it into appropriated container.

6.4. Reference to other sections

No data available.

SECTION 7. Handling and storage

7.1. Precautions for safe handling

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.

Personal protection : Avoid all unnecessary exposure. Ensure prompt removal from eyes, skin and clothing.

Technical protective measures : Both local exhaust and general room ventilation are usually required.

7.2. Conditions for safe storage, including any incompatibilities

Storage : 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 data available.

SECTION 8. Exposure controls/personal protection

8.1. Control parameters

Personal protection

- **Respiratory protection** : Approved dust or mist respirator should be used if airborne particles are generated when handling this material.
 - **Skin protection** : Wear suitable protective clothing.
 - **Eye protection** : Chemical goggles or face shield with safety glasses.
 - **Hand protection** : Wear suitable gloves resistant to chemical penetration.
 - **Ingestion** : When using, do not eat, drink or smoke.
- Industrial hygiene** : Emergency eye wash fountains should be available in the immediate vicinity of any potential exposure.
Provide local exhaust or general room ventilation.

8.2. Occupational Exposure Limits

No data available.

SECTION 9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

• Appearance

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SECTION 9. Physical and chemical properties (continued)

Physical state : Liquid.
Colour : Amber.
• Odour
Odour : Odourless.
• pH
pH value in distilled water : ca 12.5 (1%)
Freezing point [°C] : -15
Initial boiling point : 90°C
• Relative density
Density : ca 1.06
• Solubility
Solubility in water : Complete.

9.2. Other information

No data available.

SECTION 10. Stability and reactivity

10.1. Reactivity

No data available.

10.2. Chemical stability

No data available.

10.3. Possibility of hazardous reactions

Hazardous properties : None under normal conditions.

10.4. Conditions to avoid

No data available.

10.5. Incompatible materials

Materials to avoid : Avoid contact with : Aluminium (Al) strong acids.

10.6. Hazardous decomposition products

Hazardous decomposition products : Thermal decomposition generates : Corrosive vapours.

SECTION 11. Toxicological information


11.1. Information on toxicological effects

Toxicity information : Corrosive to eyes, respiratory system and skin.
Acute toxicity : Corrosive to eyes and skin.
Rat oral LD50 [mg/kg] : >2000
Rabbit dermal LD50 [mg/kg] : No data available.
Rat inhalation LC50 [mg/l/4h] : No data available.

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SECTION 12. Ecological information

12.1. Toxicity

48 Hour-EC50 - Daphnia magna [mg/l] : No data available.

IC50 72h Algae [mg/l] : No data available.

LC50-96 Hour - fish [mg/l] : No data available.

12.2. Persistence - degradability

No data available.

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

Ecological effects information : No data available.

WGK class (Germany) : 2

SECTION 13. Disposal considerations

13.1. Waste treatment methods

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

SECTION 14. Transport information

14.1. UN Number

General information

- UN No. : 3266

14.2. Proper shipping name

- Proper shipping name : UN 3266 CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S. (Sodium hydroxide), 8, III

14.3. Transport Hazard Classification

19 Hazard Label(s)



: 8

Land transport

- ADR/RID : Class : 8
Group : III

- H.I. nr : : 80


- ADR Class : : 8

Sea transport

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SECTION 14. Transport information (continued)

- IMO-IMDG code : Class 8
- Class
- IMO Packing group : III
- IMDG-Marine pollution : YES ò
- EMS-Nr : F-A S-B
- Air transport**
- ICAO/IATA : Packaging instructions cargo : 820
Packaging instructions passenger: 818
- Proper shipping name : CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S. (Sodium hydroxide)
- IATA - Class or division : 8
- IATA Packing group : III

14.4. Packing group

- ADR Packing group : III

14.5. Environmental hazards

- In case of spillage and/or leakage : Clean up even minor leaks or spills if possible without unnecessary risk.

14.6. Special precautions for user

- Personal 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.

Additional information

14.7. Bulk transport - annex II Marpol 73/78 - IBC

Not classified.

SECTION 15. Regulatory information

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

Ensure all national/local regulations are observed.

15.2. Chemical Safety Assessment

No data available.

SECTION 16. Other information

- List of relevant R phrases (heading 3)** : 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.

- List of relevant symbols (heading 3)** : C: Corrosive.
N: Dangerous for the environment.
Irritant.

- Further information** : None.

The contents and format of this SDS are in accordance with EEC Commission "REACH" Regulation, EC 1907/2006

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