

MATERIAL SAFETY DATA SHEET

Page : 1

Revision nr : 4

Date : 16/7/2003

Supersedes : 20/12/2002

DM CID**BC030C1.1**

www.lisam.com



Corrosive

Producer

CID LINES NV/SA
Waterpoortstraat, 2
B-8900 Ieper Belgique-Belgie
Tel. + 32 57 21 78 77
Fax +32 57 21 78 79
Antipoison Center - tel : + 32 70 245 245

Responsible for distribution

CID LINES NV/SA
Waterpoortstraat, 2
B-8900 Ieper Belgique-Belgie
Tel. + 32 57 21 78 77
Fax +32 57 21 78 79
Antipoison Center - tel : + 32 70 245 245

1. Identification of the product and the company

Company identification : See producer.
Identification of the product : Liquid.
Trade name : DM CID.
Use : Industrial. See product bulletin for detailed information.

2. Information on ingredients

This product is considered to be hazardous and contains hazardous components.

Substance name	Value(s)	CAS nr / EINECS nr / EC index	Symbol(s)	R-Phrase(s)
<u>Sodium hypochlorite</u>	: 45.6 g/l	007681-52-9 / 231-668-3 / 017-011-00-1	C	31-34
<u>Potassium hydroxide</u>	: 132.7 g/l	001310-58-3 / 215-181-3 / 019-002-00-8	C	22-35
<u>Complexing agent</u>	: 1 - 5 %	---- / ---- / ----		
<u>Corrosion inhibitor</u>	: 1 - 5 %	---- / ---- / ----		

3. Hazards identification

Symptoms relating to use

- Inhalation : Corrosive to respiratory system.
- Skin contact : Prolonged skin contact may cause a severe effect, progressing to a delayed burn.
- Eye contact : Redness, pain. Blurred vision. Risk of serious damage to eyes.
- Ingestion : May cause burns or irritation of the linings of the mouth, throat, and gastrointestinal tract.

4. First aid measures

First aid

- Inhalation : Assure fresh air breathing. Allow the victim to rest. Seek medical advice.
- Skin contact : Remove contaminated clothing and shoes. Flush with plenty of water. Seek medical attention if ill effect or irritation develops.
- Eye contact : Rinse immediately with plenty of water. Seek medical attention immediately.
- Ingestion : Rinse mouth. DO NOT INDUCE VOMITING. Seek medical advice.

5. Fire - fighting measures

Flammable class : Not combustible.
Extinguishing media : Dry chemical. Foam. Carbon dioxide.
- Not to be used : Do not use a heavy water stream.
Protection against fire : Do not enter fire area without proper protective equipment, including respiratory protection.
Special procedures : Exercise caution when fighting any chemical fire.

MATERIAL SAFETY DATA SHEET

Page : 2

Revision nr : 4

Date : 16/7/2003

Supersedes : 20/12/2002

DM CID**BC030C1.1**

www.lisam.com

6. Accidental release measures

- Personal precautions : Spill should be handled by trained cleaning personnel properly equipped with respiratory and eye protection. Wear suitable protective clothing and gloves.
- Environmental precautions : Notify authorities if liquid enters sewers or public waters. Prevent entry to sewers and public waters.
- After spillage and/or leakage : Dilute residues and flush. Clean up any spills as soon as possible, using an absorbent material to collect it. Use suitable disposal containers.

7. Handling and storage

- General : Avoid all unnecessary exposure.
- Storage : Keep at temperature not exceeding 50°C Protect from freezing. Keep container closed when not in use.
- Handling : Handle in accordance with good industrial hygiene and safety procedures. Ensure prompt removal from eyes, skin and clothing. Wash hands and other exposed areas with mild soap and water before eat, drink or smoke and when leaving work.

8. Exposure controls / personal protection

Personal protection



- Respiratory protection : Contact with acids liberates toxic gas. Suitable respiratory equipment. (filter B-P2)
- Skin protection : If skin contact or contamination of clothing is likely, protective clothing should be worn.
- Eye protection : Eye protection, including both chemical splash goggles and face shield, must be worn when possibility exists for eye contact due to spraying liquid or airborne particles.
- Ingestion : When using, do not eat, drink or smoke.
- Industrial hygiene : Local exhaust and general ventilation must be adequate to meet exposure standards.

9. Physical and chemical properties

- Physical state : Liquid.
- Colour : Yellow.
- Odour : Chlorine (Cl).
- pH value : 11.8 (1%)
- Freezing point : -15°C
- Initial boiling point : 100°C
- Density : ca. 1.233 kg/l
- Viscosity : Not applicable.
- Solubility in water : Complete.
- Flash point [°C] : Not applicable.
- Auto-ignition temperature [°C] : Not applicable.

10. Stability and reactivity

- Hazardous decomposition products : According to process conditions, hazardous decomposition products may be generated.
- Hazardous reactions : Reacts with : Acids.
- Hazardous properties : Contact with acids liberates toxic gas.

MATERIAL SAFETY DATA SHEET

Page : 3

Revision nr : 4

Date : 16/7/2003

Supersedes : 20/12/2002

DM CID**BC030C1.1**

www.lisam.com

11. Toxicological information

Acute toxicity

- Inhalation : Corrosive vapours.
- Dermal : Corrosive.
- Ocular : Risk of damage to eyes.
- Ingestion : Corrosive.

Rat oral LD50 [mg/kg] : 3030

12. Ecological information

LC50-96 Hour - fish [mg/l] : No data available.
48 Hour-EC50 - Daphnia magna [mg/l] : No data available.
IC50 72h Algae [mg/l] : No data available.
COD-value [mg/l] : 32.5
BOD5-value [mg/l] : 10.6
WGK class (Germany) : 1

13. Disposal considerations

Disposal : Dispose in a safe manner in accordance with local/national regulations.

14. Transport information

Hazard Label(s)



: Corrosive.

- Proper shipping name : UN 3266 CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S. (Sodium hypochlorite, Potassium hydroxide), 8, III
- UN No. : 3266
- H.I. nr : 80
- ADR/RID : Group : III
Class : 8

15. Regulatory information

Symbol(s)



: Corrosive.

R Phrase(s) : R31 - Contact with acids liberates toxic gas.
R35 - Causes severe burns.

S Phrase(s) : S13 - Keep away from food, drink and animal feedingstuffs.
S20/21 - When using, do not eat, drink or smoke.
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
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).

16. Other information

Recommended uses and restrictions : See product bulletin for detailed information.
Further information : None.
Print date : 2/2/2004

MATERIAL SAFETY DATA SHEET	Page : 4
	Revision nr : 4
DM CID	Date : 16/7/2003
	Supersedes : 20/12/2002
	BC030C1.1 www.lisam.com

16. Other information (continued)

Risk Phrases : Corrosive to eyes, respiratory system and skin.

The contents and format of this MSDS are in accordance with EEC Commission Directive 93/112/EEC.

DISCLAIMER OF LIABILITY The information in this MSDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This MSDS was prepared and is to be used only for this product. If the product is used as a component in another product, this MSDS information may not be applicable.

End of document