

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

1.1. Product identifier

Product form : Liquid
Product name. : DM Cid
Product code : C54

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 -1120Brussels	+32 70 245 245
UNITED KINGDOM	Guy's & St Thomas' Poisons Unit Medical Toxicology Unit, Guy's & St Thomas' Hospital Trust	Avonley Road SE14 5ERLondon	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
R31
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 GHS09

Signal word (CLP) :

Danger

Hazard statements (CLP) :

H314 - Causes severe skin burns and eye damage
H400: Very toxic to aquatic life

Precautionary statements (CLP) :

P280 - Wear protective gloves/protective clothing/eye protection/face protection
P260 - Do not breathe spray
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/physician Specific treatment.
P363 - Wash contaminated clothing before reuse
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
R31 - Contact with acids liberates toxic gas

S-phrases : S1/2 - Keep locked up and out of the reach of children
S26 - In case of contact with eyes, rinse immediately with plenty of water and seek medical advice
S35 - This material and its container must be disposed of in a safe way
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
Hydroxide	(CAS No)1310-58-3 (EC no)215-181-3 (EC index no)19-002-00-8	5 - 15	Xn; R22 C; R35
Sodium hypochlorite, solution	(CAS No)7681-52-9 (EC no)231-668-3 (EC index no)17-011-00-1 (REACH-no)01-2119488154-34	1 - 5	C; R34 N; R50 R31

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Hydroxide	(CAS No)1310-58-3 (EC no)215-181-3 (EC index no)19-002-00-8	5 - 15	Skin Corr. 1A, H314 Acute Tox. 4 (Oral), H302
Sodium hypochlorite, solution	(CAS No)7681-52-9 (EC no)231-668-3 (EC index no)17-011-00-1 (REACH-no)01-2119488154-34	1 - 5	Met. Corr. 1, H290 Skin Corr. 1B, H314 Aquatic Acute 1, H400

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 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

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

No additional information available

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : Dry chemical. Foam. Carbon dioxide.
Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

Fire hazard : Not combustible.
Reactivity : Thermal decomposition generates :Corrosive vapours.

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according to Regulation (EC) No. 453/2010

5.3. Advice for firefighters

- Firefighting instructions : Exercise caution when fighting any chemical fire. Use water spray or fog for cooling exposed containers.
- Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection.

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. Wear suitable protective clothing and eye/face 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 : Dilute residues and flush. Clean up any spills as soon as possible, using an absorbent material to collect it. Use suitable disposal containers.

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 : Handle in accordance with good industrial hygiene and safety procedures. Ensure prompt removal from eyes, skin and clothing. Avoid all unnecessary exposure.
- 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 at temperature not exceeding 50 °C. Protect from freezing. Keep container closed when not in use.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Hydroxide (1310-58-3)		
France	VLE (mg/m ³)	2 mg/m ³
USA NIOSH	NIOSH REL (ceiling) (mg/m ³)	2 mg/m ³
United Kingdom	WEL STEL (mg/m ³)	2 mg/m ³
Finland	HTP-arvo (15 min)	2 mg/m ³

8.2. Exposure controls

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



- Hand protection : Chemical resistant PVC gloves (to European standard EN 374 or equivalent).
- 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. Use eye protection to EN 166, designed to protect against liquid splashes.
- Skin and body protection : Protective clothing compliant with EN 943 part 2. If repeated skin contact or contamination of clothing is likely, protective clothing should be worn.
- Respiratory protection : Contact with acids liberates toxic gas. Full-/half-/quarter-face masks (DIN EN 136/140). Combined gas/dust mask with filter type B/P2.
- Other information : When using, do not eat, drink or smoke. Provide local exhaust or general room ventilation. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

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SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Colour	: Yellow.
Odour	: Chlorine (Cl).
Odour threshold	: No data available
pH	: No data available
pH solution	: ca 12,5 (1%)
Relative evaporation rate (butylacetate=1)	: No data available
Melting point	: No data available
Freezing point	: -15 °C
Boiling point	: 100 °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 1,2 kg/l
Solubility	: Complete. Water: 100 %
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

Contact with acids liberates toxic gas. Reacts with (some) acids.

10.4. Conditions to avoid

No additional information available

10.5. Incompatible materials

No additional information available

10.6. Hazardous decomposition products

Thermal decomposition generates :Corrosive vapours.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Corrosive to eyes, respiratory system and skin.

DM Cid	
LD50 oral rat	3030 mg/kg
Irritation	: Corrosive to eyes, respiratory system and skin.
Corrosivity	: Causes severe burns.
Sensitisation	: Corrosive.
Repeated dose toxicity	: Not applicable

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Carcinogenicity : No data available
Mutagenicity : No data available
Toxicity for reproduction : No data available

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : biodegradability inspected at 95%(20 days) following a simulation test in a river water (follow of the degradation hypochlorite in water) - presence of salt inspected-confirming the degradation. OECD norms surfactants not applicable.

12.2. Persistence and degradability

DM Cid	
Persistence and degradability	Sodium hypochlorite is a strong oxidiser. It will react with organic substances present in soil and sediments and degrades rapidly to chloride. Sodium hypochlorite is substantially removed in biological treatment processes. Readily biodegradable. >60% BOD, 28 days, Closed Bottle Test (OECD). The surfactant(s) contained in this preparation complies 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.
Biochemical oxygen demand (BOD)	10,6 g O ₂ /g substance
Chemical oxygen demand (COD)	32,5 g O ₂ /g substance

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

Regional legislation (waste) : 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. (Potassium hydroxideSodium hypochlorite.), 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) : C5
Orange plates :



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

14.6.2. Transport by sea

Ship Safety Act : Corrosive substances
Port Regulation Law : Corrosive substances

14.6.3. Air transport

Instruction "cargo" (ICAO) : Packaging instructions cargo :820
Instruction "passenger" (ICAO) : Packaging instructions passenger:818
Civil Aeronautics Law : Corrosive substances

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 additional information available

SECTION 16: Other information

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

Skin Corr. 1B H314
Aquatic Acute 1 H400

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 — AcuteHazard, 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
H290	May be corrosive to metals
H302	Harmful if swallowed
H314	Causes severe skin burns and eye damage
H400	Very toxic to aquatic life
R22	Harmful if swallowed
R31	Contact with acids liberates toxic gas
R34	Causes burns
R35	Causes severe burns
R50	Very toxic to aquatic organisms
C	Corrosive
N	Dangerous for the environment
Xn	Harmful

SDS EU CLP DPD

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according to Regulation (EC) No. 453/2010

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