SECTION 1: Product and Company identification

1.1. Product identifier

Product form : Liquid
Product name : Cid Foam
Product code : D53

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

1.2.1. Relevant identified uses

Main use category : Industrial
Industrial/Professional use spec : 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
CANADA	CANUTEC		(613) 996-6666
FINLAND	Poison Information Centre	P.O.B 790 (Tukholmankatu 17) HUS SF - 00029 Helsinki	+358 9 471 977
Ísland	Eitrunarmiðstöð Landspítali	Fossvogi 108 Reykjavik	+354 543 22 22
NETHERLANDS	Nationaal Vergiftigingen Informatie Centrum Uitsluitend bestemd om artsen te informeren bij accidentele vergiftigingen	Huispostnummer B.00.118, PO Box 85500 3508 GA Utrecht	+31 30 274 88 88
SWITZERLAND	Centre Suisse d'Information Toxicologique Swiss Toxicological Information Centre	Freiestrasse 16 Postfach CH-8028 Zurich	+41 44 251 51 51 (International) 145 (National)
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
USA	American Association of Poison Control Centers		1-800-222-1222
Worldwide	www.who.int/ipcs/poisons/centre/directory/en		
Ελλάδα	Poisons Information Centre Children's Hospital "Aglaia. Kyriakou"	11527 Athens	+30 10 779 3777

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 OSHA 29 CFR 1910.1200

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 dust/fume/gas/mist/vapours/spray
P273 - Avoid release to the environment
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.
P301+P330+P331+P310+P321 - IF SWALLOWED Rinse mouth Do NOT induce vomiting Immediately call a POISON CENTER or doctor/physician Specific treatment.

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
R31 - Contact with acids liberates toxic gas

S-phrases : 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 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

Other hazards not contributing to the classification : None under normal conditions.

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

Name	Product identifier	%	Classification
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	Skin Corr. 1A, H314
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

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 advice.

First-aid measures after skin contact : Remove contaminated clothing and shoes. Rinse immediately with plenty of water. Seek medical attention if ill effect or irritation develops.

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. Seek medical advice.

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 : Contact with acids liberates toxic gas.

5.3. Advice for firefighters

Firefighting instructions : Exercise caution when fighting any chemical fire.

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 gloves.

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 : 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 : Avoid all unnecessary exposure. Handle in accordance with good industrial hygiene and safety procedures. Ensure prompt removal from eyes, skin and clothing.

Hygiene measures : 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

Cid Foam		
Denmark	Grænseværdie (ceiling) (ppm)	Grænseværdie (ceiling) (ppm)
Denmark	Grænseværdie (ceiling) (mg/m³)	Grænseværdie (ceiling) (mg/m³)

Sodium hydroxide (1310-73-2)		
Austria	MAK (mg/m³)	2 mg/m³ (einatembare Fraktion)
Austria	MAK Short time value (mg/m³)	4 mg/m³ max. 8x5 min./Schicht (einatembare Fraktion) (gemessen als Momentanwert)
Belgium	Local name	Sodium (hydroxyde de)
Belgium	Limit value (mg/m³)	2 mg/m³
Belgium	Remark (BE)	M
Finland	HTP-arvo (15 min)	2 mg/m³
France	VLE (mg/m³)	2 mg/m³
Spain	VLA-EC (mg/m³)	2 mg/m³
United Kingdom	Local name	Sodium hydroxide
United Kingdom	WEL STEL (mg/m³)	2 mg/m³
Switzerland	VME (mg/m³)	2 mg/m³
Switzerland	VLE (mg/m³)	2 mg/m³
USA - ACGIH	ACGIH Ceiling (mg/m³)	2 mg/m³
USA - NIOSH	NIOSH REL (ceiling) (mg/m³)	2 mg/m³
USA - OSHA	OSHA PEL (TWA) (mg/m³)	2 mg/m³

Sodium hydroxide (1310-73-2)
DNEL/DMEL (Workers)

Sodium hydroxide (1310-73-2)	
Long-term - local effects, inhalation	1 mg/m³
DNEL/DMEL (General population)	
Long-term - local effects, inhalation	1 mg/m³
Sodium hypochlorite, solution (7681-52-9)	
DNEL/DMEL (Workers)	
Acute - systemic effects, dermal	mg/kg bodyweight/day
Acute - systemic effects, inhalation	3,1 mg/m³
Acute - local effects, inhalation	3,1 mg/m³
Long-term - local effects, dermal	0,5 % in mixture
Long-term - systemic effects, inhalation	1,55 mg/m³
Long-term - local effects, inhalation	1,55 mg/m³
DNEL/DMEL (General population)	
Acute - systemic effects, inhalation	3,1 mg/m³
Acute - local effects, inhalation	3,1 mg/m³
Long-term - systemic effects,oral	0,26 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	1,55 mg/m³
Long-term - local effects, dermal	0,5 % in mixture
Long-term - local effects, inhalation	1,55 mg/m³
PNEC (Water)	
PNEC aqua (freshwater)	0,00021 mg/l
PNEC aqua (marine water)	0,000042 mg/l
PNEC aqua (intermittent, freshwater)	0,00026 mg/l
PNEC (STP)	
PNEC sewage treatment plant	0,03 mg/l

8.2. Exposure controls

Hand protection : In case of repeated or prolonged contact wear gloves.

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.

Skin and body protection : If skin contact or contamination of clothing is likely, protective clothing should be worn.

Respiratory protection : Contact with acids liberates toxic gas. Suitable respiratory equipment.

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 : yellow.
Odour : Chlorine.
Odour threshold : No data available
pH : ca. 11,8 (1%)
Relative evaporation rate (butyl acetate=1) : No data available
Melting point : No data available
Freezing point : No data available
Boiling point : No data available
Flash point : No data available
Auto-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. 1,17 kg/l

Solubility	:	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

Contact with acids liberates toxic gas.

10.2. Chemical stability

No additional information available

10.3. Possibility of hazardous reactions

Reacts with : acids.

10.4. Conditions to avoid

Avoid contact with : acids.

10.5. Incompatible materials

Avoid contact with : aluminium.

10.6. Hazardous decomposition products

According to process conditions, hazardous decomposition products may be generated.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Corrosive

Cid Foam	
LD50 oral rat	> 2000 mg/kg

Irritation	:	Corrosive pH: ca. 11,8 (1%)
Corrosivity	:	Causes severe burns. pH: ca. 11,8 (1%)
Sensitisation	:	Corrosive
Repeated dose toxicity	:	No data available
Carcinogenicity	:	No data available
Mutagenicity	:	No data available
Toxicity for reproduction	:	No data available

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 in a safe manner in accordance with local/national regulations.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number

UN-No. (ADR) : 3266

14.2. UN proper shipping name

Proper Shipping Name (ADR) : CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S.

Transport document description (ADR) : UN 3266 CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S. (sodium hypochlorite, sodium hydroxide), 8, III, (E)

14.3. Transport hazard class(es)

Class (ADR) : 8

Danger labels (ADR) : 8

14.4. Packing group

Packing group (UN) : III

14.5. Environmental hazards

Other information : No supplementary information available.

14.6. Special precautions for user

Special transport precautions : Clean up even minor leaks or spills if possible without unecessary risk. 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 (ADR) : E

Excepted quantities (ADR) : E1

EAC code : 2X

APP code : B

14.6.2. Transport by sea

Not applicable

14.6.3. Air transport

Instruction "cargo" (ICAO) : 820

Instruction "passenger" (ICAO) : 818

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

Contains no substances with Annex XVII restrictions

Cid Foam is not on the REACH Candidate List

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

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. 1A	H314
Eye Dam. 1	H318
Aquatic Acute 1	H400

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

Aquatic Acute 1	Hazardous to the aquatic environment — Acute Hazard, 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
H314	Causes severe skin burns and eye damage
H400	Very toxic to aquatic life
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

SDS_U

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