

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

1.1. Product identifier

| | |
|-----------------|-----------------------|
| Product form | : Mixture |
| Product name | : DM Cid |
| Product code | : D39 |
| Type of product | : Food-stuff industry |
| Product group | : Cleaning product |

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

1.2.1. Relevant identified uses

| | |
|------------------------------|---|
| Main use category | : Professional 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

Supplier

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>

Importer

Best Veterinary Solutions, Inc
1716 Detroit St
P.O. Box 370
IA 50075 Ellsworth - United States of America
T 888-378-4045
<https://www.bestvetsolutions.com/>

1.4. Emergency telephone number

| Country | Organisation/Company | Address | Emergency number | Comment |
|-------------|--|--|--|---------|
| Australia | Poisons Information Centre | | 13 11 26 | |
| 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 Country Organization/Company Address Emergency number Comment | | (613) 996-6666 | |
| Finland | Poison Information Centre | P.O.B 790 (Tukholmankatu 17) HUS SF - 00029 Helsinki | +358 9 471 977 | |
| Iceland | Eitrunarmiðstöð Landspítali | Fossvogi 108 Reykjavik | +354 543 22 22 | |
| Malta | Medicines & Poisons Info Office | Mater Dei Hospital MSD Msida | 112 | |
| 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 | |
| New Zealand | The National Poisons Centre | University of Otago, 2nd Floor, Adams Building, 18 Frederick Street, 9016 Dunedin | 0800 764 766 0800 POISON | |
| Switzerland | Centre Suisse d'Information Toxicologique Swiss Toxicological Information Centre, Schweizerisches Toxicologisches Informationszentrum STIZ | Freiestrasse 16 Postfach CH-8032 Zurich | +41 44 251 51 51 (International) 145 (National) | |

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| | | | | |
|----------------|---|---------------------------------|------------------|--|
| United Kingdom | Guy's & St Thomas' Poisons Unit Medical Toxicology Unit, Guy's & St Thomas' Hospital Trust | Avonley Road SE14 5ER London | +44 20 7188 7188 | |
| USA | American Association of Poison Control Centers | | 1-800-222-1222 | |

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Labelling according to OSHA 29 CFR 1910.1200

| | |
|-------------------|------|
| Met. Corr. 1 | H290 |
| Skin Corr. 1A | H314 |
| Eye Dam. 1 | H318 |
| Aquatic Acute 1 | H400 |
| Aquatic Chronic 2 | H411 |

Full text of hazard classes and H-statements : 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

Hazardous ingredients

: Sodium hypochlorite, solution; Sodium hydroxide

Hazard statements (CLP)

: H290 - May be corrosive to metals.
H314 - Causes severe skin burns and eye damage.
H410 - Very toxic to aquatic life with long lasting effects.

Precautionary statements (CLP)

: P260 - Do not breathe vapours, spray, mist.
P273 - Avoid release to the environment.
P280 - Wear protective gloves/protective clothing/eye protection/face protection.
P301+P330+P331 - IF SWALLOWED: rinse mouth. Do NOT induce vomiting.
P303+P361+P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water .
P304+P340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310 - Immediately call a POISON CENTER or doctor/physician.
P391 - Collect spillage.
P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

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 Regulation (EC) No. 1272/2008 [CLP] |
|------------------|---|--------|---|
| Sodium hydroxide | (CAS-No.) 1310-73-2 (EC-No.) 215-185-5 (EC Index-No.) 011-002-00-6 (REACH-no) 01-2119457892-27 | 5 – 15 | Skin Corr. 1A, H314 |

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| | | | |
|---------------------------------------|---|---|--|
| Sodium hypochlorite, solution | (CAS-No.) 7681-52-9 (EC-No.) 231-668-3 (EC Index-No.) 017-011-00-1 (REACH-no) 01-2119488154-34 | 1 – 5 | Skin Corr. 1B, H314 Eye Dam. 1, H318 Aquatic Acute 1, H400 (M=10) Aquatic Chronic 1, H410 |
| Specific concentration limits: | | | |
| Name | Product identifier | Specific concentration limits | |
| Sodium hydroxide | (CAS-No.) 1310-73-2 (EC-No.) 215-185-5 (EC Index-No.) 011-002-00-6 (REACH-no) 01-2119457892-27 | (0.5 ≤C < 2) Eye Irrit. 2, H319 (0.5 ≤C < 2) Skin Irrit. 2, H315 (2 ≤C < 5) Skin Corr. 1B, H314 (5 ≤C < 100) Skin Corr. 1A, H314 | |
| Sodium hypochlorite, solution | (CAS-No.) 7681-52-9 (EC-No.) 231-668-3 (EC Index-No.) 017-011-00-1 (REACH-no) 01-2119488154-34 | (5 ≤C < 100) EUH031 | |

Full text of H-statements: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

| | |
|---------------------------------------|--|
| First-aid measures after inhalation | : Remove person to fresh air and keep comfortable for breathing. 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 (show the label where possible). |
| 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

| | |
|-------------------------------------|---|
| Symptoms/effects after inhalation | : Inhalation of vapour can cause breathing difficulties. Cough. Sore throat. |
| Symptoms/effects after skin contact | : Redness, pain. Causes severe skin burns and eye damage. |
| Symptoms/effects after eye contact | : Redness, pain. Blurred vision. Tears. Serious damage to eyes. |
| Symptoms/effects after ingestion | : Burning sensation. Cough. Cramps. May cause burns or irritation of the linings of the mouth, throat, and gastrointestinal tract. Swallowing a small quantity of this material will result in serious health hazard. |

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

In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

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. |
| Explosion hazard | : Not expected to be a fire/explosion hazard under normal conditions of use. |
| Reactivity in case of fire | : At high temperature may liberate dangerous gases. |
| Hazardous decomposition products in case of fire | : Toxic fumes may be released. |

5.3. Advice for firefighters

| | |
|--------------------------------|--|
| Precautionary measures fire | : Wear fire/flare resistant/retardant clothing. Eliminate all ignition sources if safe to do so. |
| Firefighting instructions | : Use water spray or fog for cooling exposed containers. |
| Protection during firefighting | : Exercise caution when fighting any chemical fire. Do not enter fire area without proper protective equipment, including respiratory protection. Wear fire/flare resistant/retardant clothing. Heat resistant gloves. |
| Other information | : On exposure to high temperature, may decompose, releasing toxic gases. |

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. Stop leak if safe to do so. Prevent from entering sewers, basements and workpits, or any place where its accumulation can be dangerous. |
|------------------|--|

6.1.1. For non-emergency personnel

| | |
|----------------------|---|
| Protective equipment | : Avoid all unnecessary exposure. Wear suitable protective clothing. Ensure adequate ventilation. Do not breathe vapours. |
| Emergency procedures | : Do not touch or walk on the spilled product. Evacuate area. Do not breathe vapours. Avoid contact with skin, eyes and clothing. |

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6.1.2. For emergency responders

| | |
|----------------------|---|
| Protective equipment | : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection". |
| Emergency procedures | : Do not touch spilled material. Evacuate unnecessary personnel. Stop leak if safe to do so. Ventilate area. |

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

| | |
|-------------------------|--|
| For containment | : Stop leak without risks if possible. Collect spillage. Use suitable disposal containers. |
| Methods for cleaning up | : Clean up any spills as soon as possible, using an absorbent material to collect it. |

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 | : When handling product, avoid contact with skin and eyes. Wear personal protective equipment. Do not breathe vapour/aerosol. Provide good ventilation in process area to prevent formation of vapour. |
| Hygiene measures | : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Handle in accordance with good industrial hygiene and safety procedures. |

7.2. Conditions for safe storage, including any incompatibilities

| | |
|------------------------|--|
| Storage conditions | : Keep only in the original container in a cool well ventilated place. Do not store in corrodable metal. Keep container closed when not in use. Protect from freezing. |
| Incompatible 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

Sodium hydroxide (1310-73-2)

| | | |
|----------------|----------------------|---|
| Austria | MAK (OEL TWA) | 2 mg/m ³ (einateembare Fraktion) |
| Austria | MAK (OEL STEL) | 4 mg/m ³ max. 8x5 min./Schicht (einateembare Fraktion) (gemessen als Momentanwert) |
| Belgium | Local name | Sodium (hydroxyde de) # Natriumhydroxide |
| Belgium | OEL TWA | 2 mg/m ³ |
| Belgium | Remark (BE) | M: la mention "M" indique que lors d'une exposition supérieure à la valeur limite, des irritations apparaissent ou un danger d'intoxication aiguë existe. Le procédé de travail doit être conçu de telle façon que l'exposition ne dépasse jamais la valeur limite. Lors des mesurages, la période d'échantillonnage doit être aussi courte que possible afin de pouvoir effectuer des mesurages fiables. Le résultat des mesurages est calculé en fonction de la période d'échantillonnage. # M: de vermelding "M" duidt aan dat bij de blootstelling boven de grenswaarde irritatie optreedt of er gevaar bestaat voor acute vergiftiging. Het werkprocédé moet zo zijn ontworpen dat de blootstelling de grenswaarde nooit overschrijdt. Bij een controle geldt dat de bemonsterde periode zo kort mogelijk moet zijn om een betrouwbare meting te kunnen verrichten. Het meetresultaat wordt dan gerelateerd aan de beschouwde periode. |
| Belgium | Regulatory reference | Koninklijk besluit/Arrêté royal 02/09/2018 |
| Finland | HTP (OEL STEL) | 2 mg/m ³ |
| France | VLE (OEL C/STEL) | 2 mg/m ³ |
| Germany | Notes | |
| Latvia | OEL STEL | 0.5 mg/m ³ |
| Spain | VLA-EC (OEL STEL) | 2 mg/m ³ |
| United Kingdom | Local name | Sodium hydroxide |
| United Kingdom | WEL STEL (OEL STEL) | 2 mg/m ³ |

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| Sodium hydroxide (1310-73-2) | | |
|------------------------------|----------------------|--------------------------------------|
| United Kingdom | Regulatory reference | EH40/2005 (Third edition, 2018). HSE |
| Switzerland | MAK (OEL TWA) [1] | 2 mg/m ³ |
| Switzerland | KZGW (OEL STEL) | 2 mg/m ³ |
| USA - ACGIH | ACGIH OEL C | 2 mg/m ³ |

Sodium hypochlorite, solution (7681-52-9)

DNEL/DMEL (Workers)

| | |
|--|------------------------|
| Acute - systemic effects, inhalation | 3.1 mg/m ³ |
| Acute - local effects, inhalation | 3.1 mg/m ³ |
| Long-term - local effects, dermal | 0.5 % in mixture |
| Long-term - systemic effects, inhalation | 1.55 mg/m ³ |
| Long-term - local effects, inhalation | 1.55 mg/m ³ |

DNEL/DMEL (General population)

| | |
|--|---------------------------|
| Acute - systemic effects, inhalation | 3.1 mg/m ³ |
| Acute - local effects, inhalation | 3.1 mg/m ³ |
| Long-term - systemic effects, oral | 0.26 mg/kg bodyweight/day |
| Long-term - systemic effects, inhalation | 1.55 mg/m ³ |
| Long-term - local effects, dermal | 0.5 % in mixture |
| Long-term - local effects, inhalation | 1.55 mg/m ³ |

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 |
|-----------------------------|-----------|

Sodium hydroxide (1310-73-2)

DNEL/DMEL (Workers)

| | |
|---------------------------------------|---------------------|
| Long-term - local effects, inhalation | 1 mg/m ³ |
|---------------------------------------|---------------------|

DNEL/DMEL (General population)

| | |
|---------------------------------------|---------------------|
| Long-term - local effects, inhalation | 1 mg/m ³ |
|---------------------------------------|---------------------|

8.2. Exposure controls

Hand protection:

Wear suitable gloves resistant to chemical penetration

| Type | Material | Permeation | Thickness (mm) | Penetration | Standard |
|-----------------|-------------------------|-------------------|----------------|-------------|------------|
| Reusable gloves | Polyvinylchloride (PVC) | 6 (> 480 minutes) | 0.5 | 2 (< 1.5) | EN ISO 374 |

Eye protection:

Wear security glasses which protect from splashes

| Type | Field of application | Characteristics | Standard |
|---|----------------------|-----------------|----------|
| Safety glasses, Safety goggles, Face shield | Droplet | clear, Plastic | EN 166 |

Skin and body protection:

Wear suitable protective clothing

| Type | Standard |
|------|----------------------|
| | EN14605:2005+A1:2009 |

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Respiratory protection:

Appropriate dust or mist respirator should be used if airborne particles are generated when handling this material

| Device | Filter type | Condition | Standard |
|----------------|-------------|--|----------|
| Full face mask | Type P2 | Vapour protection, Protection for Liquid particles | EN 14387 |

Personal protective equipment symbol(s):



Other information:

When using do not eat, drink or smoke. Provide local exhaust or general room ventilation.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

| | |
|---|--|
| Physical state | : Liquid |
| Appearance | : clear. |
| Colour | : clear. Yellow. |
| Odour | : Chlorine. |
| Odour threshold | : The product has not been tested |
| pH | : 11.5 – 13.5 (1%) |
| Relative evaporation rate (butylacetate=1) | : The product has not been tested |
| Melting point | : No data available |
| Freezing point | : No data available |
| Boiling point | : No data available |
| Flash point | : > 60 °C |
| Critical temperature | : The product has not been tested |
| Auto-ignition temperature | : The product has not been tested |
| Decomposition temperature | : The product has not been tested |
| Flammability (solid, gas) | : Not flammable |
| Vapour pressure | : Not applicable |
| Vapour pressure at 50 °C | : Not applicable |
| Critical pressure | : Not applicable |
| Relative vapour density at 20 °C | : The product has not been tested |
| Relative density | : The product has not been tested |
| Relative density of saturated gas/air mixture | : The product has not been tested |
| Density | : 1.18 – 1.2 kg/l |
| Relative gas density | : Not applicable |
| Solubility | : Water: 100 % Ethanol: The product has not been tested Ether: The product has not been tested Acetone: The product has not been tested Organic solvent: The product has not been tested |
| Partition coefficient n-octanol/water (Log Pow) | : -3.42 at 20°C (Sodium hypochlorite) |
| Viscosity, kinematic | : The product has not been tested |
| Viscosity, dynamic | : The product has not been tested |
| Explosive properties | : Product is not explosive. |
| Oxidising properties | : Non oxidizing material according to EC criteria. |
| Explosive limits | : The product is not flammable |

9.2. Other information

VOC content : 0 g/l

SECTION 10: Stability and reactivity

10.1. Reactivity

None under normal conditions.

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According to OSHA 29 CFR 1910.1200

10.2. Chemical stability

Stable in use and storage conditions as recommended in item 7.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

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 (oral) | : Not classified |
| Acute toxicity (dermal) | : Not classified |
| Acute toxicity (inhalation) | : Not classified |
| Skin corrosion/irritation | : Causes severe skin burns. pH: 11.5 – 13.5 (1%) |
| Serious eye damage/irritation | : Causes serious eye damage. pH: 11.5 – 13.5 (1%) |
| Respiratory or skin sensitisation | : Not classified |
| Germ cell mutagenicity | : Not classified |
| Carcinogenicity | : Not classified |
| Reproductive toxicity | : Not classified |
| STOT-single exposure | : Not classified |
| STOT-repeated exposure | : Not classified |
| Aspiration hazard | : Not classified |

DM Cid

| | |
|----------------------|---------------------------------|
| Viscosity, kinematic | The product has not been tested |
|----------------------|---------------------------------|

SECTION 12: Ecological information

12.1. Toxicity

| | |
|---|---|
| Ecology - general | : This product contains hazardous components for the environment. |
| Hazardous to the aquatic environment, short-term (acute) | : Very toxic to aquatic life. |
| Hazardous to the aquatic environment, long-term (chronic) | : Toxic to aquatic life with long lasting effects. |

12.2. Persistence and degradability

DM Cid

| | |
|-------------------------------|---|
| Persistence and degradability | The surfactant contained in this preparation complies with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents. |
| Biodegradation | 100 % |

12.3. Bioaccumulative potential

DM Cid

| | |
|---|-------------------------------------|
| Partition coefficient n-octanol/water (Log Pow) | -3.42 at 20°C (Sodium hypochlorite) |
|---|-------------------------------------|

Sodium hypochlorite, solution (7681-52-9)

| | |
|---|-------|
| Partition coefficient n-octanol/water (Log Kow) | -3.42 |
|---|-------|

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

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According to OSHA 29 CFR 1910.1200

SECTION 13: Disposal considerations

13.1. Waste treatment methods

| | |
|--|---|
| Regional legislation (waste) | : Dispose in a safe manner in accordance with local/national regulations. |
| Waste treatment methods | : Dispose of this material and its container at hazardous or special waste collection point. Hazardous waste due to toxicity. Avoid release to the environment. Dispose in a safe manner in accordance with local/national regulations. |
| Sewage disposal recommendations | : Disposal must be done according to official regulations. |
| Product/Packaging disposal recommendations | : When totally empty, containers are recyclable like any other packing. Dispose in a safe manner in accordance with local/national regulations. Avoid release to the environment. |
| Ecology - waste materials | : Avoid release to the environment. Hazardous waste due to toxicity. |
| European List of Waste (LoW) code | : 07 06 01* - aqueous washing liquids and mother liquors |
| Switzerland - Waste code (VeVA) | : 07 06 01 - [ak] Aqueous washing liquids and aqueous mother liquors |

SECTION 14: Transport information

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

14.1. UN number

| | |
|---------------|-----------|
| UN-No. (ADR) | : UN 3266 |
| UN-No. (IMDG) | : UN 3266 |
| UN-No. (IATA) | : UN 3266 |
| UN-No. (ADN) | : UN 3266 |
| UN-No. (RID) | : UN 3266 |

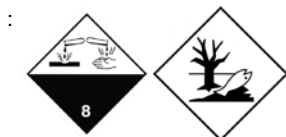
14.2. UN proper shipping name

| | |
|---------------------------------------|---|
| Proper Shipping Name (ADR) | : CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S. (Sodium hydroxide Sodium hypochlorite solution) |
| Proper Shipping Name (IMDG) | : CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S. (Sodium hydroxide Sodium hypochlorite solution) |
| Proper Shipping Name (IATA) | : CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S. (Sodium hydroxide Sodium hypochlorite solution) |
| Proper Shipping Name (ADN) | : CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S. (Sodium hydroxide Sodium hypochlorite solution) |
| Proper Shipping Name (RID) | : CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S. (Sodium hydroxide Sodium hypochlorite solution) |
| Transport document description (ADR) | : UN 3266 CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S. (Sodium hydroxide Sodium hypochlorite solution), 8, II, (E), ENVIRONMENTALLY HAZARDOUS |
| Transport document description (IMDG) | : UN 3266 CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S. (Sodium hydroxide Sodium hypochlorite solution), 8, II, MARINE POLLUTANT/ENVIRONMENTALLY HAZARDOUS |
| Transport document description (IATA) | : UN 3266 CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S. (Sodium hydroxide Sodium hypochlorite solution), 8, II, ENVIRONMENTALLY HAZARDOUS |
| Transport document description (ADN) | : UN 3266 CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S. (Sodium hydroxide Sodium hypochlorite solution), 8, II, ENVIRONMENTALLY HAZARDOUS |
| Transport document description (RID) | : UN 3266 CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S. (Sodium hydroxide Sodium hypochlorite solution), 8, II, ENVIRONMENTALLY HAZARDOUS |

14.3. Transport hazard class(es)

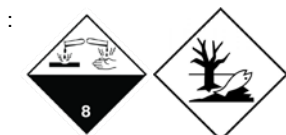
ADR

| | |
|----------------------------------|-----|
| Transport hazard class(es) (ADR) | : 8 |
| Danger labels (ADR) | : 8 |



IMDG

| | |
|-----------------------------------|-----|
| Transport hazard class(es) (IMDG) | : 8 |
| Danger labels (IMDG) | : 8 |



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IATA

Transport hazard class(es) (IATA) : 8

Danger labels (IATA) : 8



ADN

Transport hazard class(es) (ADN) : 8

Danger labels (ADN) : 8



RID

Transport hazard class(es) (RID) : 8

Danger labels (RID) : 8



14.4. Packing group

Packing group (ADR) : II

Packing group (IMDG) : II

Packing group (IATA) : II

Packing group (ADN) : II

Packing group (RID) : II

14.5. Environmental hazards

Dangerous for the environment : Yes

Marine pollutant : Yes

Other information : Clean up even minor leaks or spills, if possible, without unnecessary risk

14.6. Special precautions for user

Special transport precautions : Ensure vehicle driver is aware of the potential hazards of the load and knows what to do in the event of an accident or an emergency, No naked flames, sparks, and do not smoke, Keep public away from danger area, NOTIFY POLICE AND FIRE BRIGADE IMMEDIATELY

Overland transport

Classification code (ADR) : C5

Special provisions (ADR) : 274

Limited quantities (ADR) : 1I

Excepted quantities (ADR) : E2

Packing instructions (ADR) : P001, IBC02

Mixed packing provisions (ADR) : MP15

Portable tank and bulk container instructions (ADR) : T11

Portable tank and bulk container special provisions (ADR) : TP2, TP27

Tank code (ADR) : L4BN

Vehicle for tank carriage : AT

Transport category (ADR) : 2

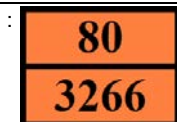
Hazard identification number (Kemler No.) : 80

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According to OSHA 29 CFR 1910.1200

Orange plates



| | |
|------------------------------------|---|
| Tunnel restriction code (ADR) | : E |
| EAC code | : 2X |
| APP code | : B |
| Transport by sea | |
| Special provisions (IMDG) | : 274 |
| Limited quantities (IMDG) | : 1 L |
| Excepted quantities (IMDG) | : E2 |
| Packing instructions (IMDG) | : P001 |
| IBC packing instructions (IMDG) | : IBC02 |
| Tank instructions (IMDG) | : T11 |
| Tank special provisions (IMDG) | : TP2, TP27 |
| EmS-No. (Fire) | : F-A |
| EmS-No. (Spillage) | : S-B |
| Stowage category (IMDG) | : B |
| Stowage and handling (IMDG) | : SW2 |
| Segregation (IMDG) | : SGG18, SG35 |
| Properties and observations (IMDG) | : Reacts violently with acids. Causes burns to skin, eyes and mucous membranes. |
| MFAG-No | : 154 |

Air transport

| | |
|--|------------|
| PCA Excepted quantities (IATA) | : E2 |
| PCA Limited quantities (IATA) | : Y840 |
| PCA limited quantity max net quantity (IATA) | : 0.5L |
| PCA packing instructions (IATA) | : 851 |
| PCA max net quantity (IATA) | : 1L |
| CAO packing instructions (IATA) | : 855 |
| CAO max net quantity (IATA) | : 30L |
| Special provisions (IATA) | : A3, A803 |
| ERG code (IATA) | : 8L |

Inland waterway transport

| | |
|-----------------------------------|----------|
| Classification code (ADN) | : C5 |
| Special provisions (ADN) | : 274 |
| Limited quantities (ADN) | : 1 L |
| Excepted quantities (ADN) | : E2 |
| Equipment required (ADN) | : PP, EP |
| Number of blue cones/lights (ADN) | : 0 |

Rail transport

| | |
|---|---------------|
| Classification code (RID) | : C5 |
| Special provisions (RID) | : 274 |
| Limited quantities (RID) | : 1L |
| Excepted quantities (RID) | : E2 |
| Packing instructions (RID) | : P001, IBC02 |
| Mixed packing provisions (RID) | : MP15 |
| Portable tank and bulk container instructions (RID) | : T11 |
| Portable tank and bulk container special provisions (RID) | : TP2, TP27 |
| Tank codes for RID tanks (RID) | : L4BN |
| Special provisions for RID tanks (RID) | : TU42 |
| Transport category (RID) | : 2 |
| Colis express (express parcels) (RID) | : CE6 |
| Hazard identification number (RID) | : 80 |

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable

DM Cid

Safety Data Sheet

According to OSHA 29 CFR 1910.1200

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 REACH substances with Annex XVII restrictions

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

Contains no substance subject to Regulation (EU) No 649/2012 of the European Parliament and of the Council of 4 July 2012 concerning the export and import of hazardous chemicals.

Contains no substance subject to Regulation (EU) No 2019/1021 of the European Parliament and of the Council of 20 June 2019 on persistent organic pollutants

VOC content : 0 g/l

Other information, restriction and prohibition regulations : Ensure all national/local regulations are observed. PIC Regulation EU (649/2012) - Export and Import of hazardous chemicals. {0} is subject to Regulation (EU) No 649/2012 of the European Parliament and of the Council of 4 July 2012 concerning the export and import of hazardous chemicals.

California Cleaning Product Right to Know Act of 2017 (SB 258)

| Component | CAS-No. | Function | List(s) |
|---------------------|-----------|-----------------|----------------|
| Water | 7732-18-5 | Diluent | Not Applicable |
| Sodium Hydroxide | 1310-73-2 | Cleaning Agent | Not Applicable |
| Sodium Hypochlorite | 7681-52-9 | Bleaching Agent | Not Applicable |
| Chelating Agent | Withheld | Cleaning Agent | Not Applicable |

15.1.2. National regulations

Germany

Regulatory reference : WGK 2, Significantly hazardous to water (Classification according to AwSV, Annex 1)

Employment restrictions : Observe restrictions according Act on the Protection of Young People in Employment (JArbSchG)

Hazardous Incident Ordinance (12. BImSchV) : Is not subject of the 12. BImSchV (Hazardous Incident Ordinance)

Netherlands

SZW-lijst van kankerverwekkende stoffen : None of the components are listed

SZW-lijst van mutagene stoffen : None of the components are listed

NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Borstvoeding : None of the components are listed

NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Vruchtbaarheid : None of the components are listed

NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Ontwikkeling : None of the components are listed

Denmark

Classification remarks : Emergency management guidelines for the storage of flammable liquids must be followed

Danish National Regulations : Young people below the age of 18 years are not allowed to use the product

15.2. Chemical safety assessment

No additional information available

SECTION 16: Other information

Other information : **DISCLAIMER OF LIABILITY** The information in this SDS 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 SDS was prepared and is to be used only for this product. If the product is used as a component in another product, this SDS information may not be applicable.

DM Cid

Safety Data Sheet

According to OSHA 29 CFR 1910.1200

| Full text of H- and EUH-statements: | |
|-------------------------------------|---|
| Aquatic Acute 1 | Hazardous to the aquatic environment — Acute Hazard, Category 1 |
| Aquatic Chronic 1 | Hazardous to the aquatic environment — Chronic Hazard, Category 1 |
| Aquatic Chronic 2 | Hazardous to the aquatic environment — Chronic Hazard, Category 2 |
| EUH031 | |
| Eye Dam. 1 | Serious eye damage/eye irritation, Category 1 |
| Eye Irrit. 2 | Serious eye damage/eye irritation, Category 2 |
| Met. Corr. 1 | Corrosive to metals, Category 1 |
| Skin Corr. 1A | Skin corrosion/irritation, Category 1, Sub-Category 1A |
| Skin Corr. 1B | Skin corrosion/irritation, Category 1, Sub-Category 1B |
| Skin Irrit. 2 | Skin corrosion/irritation, Category 2 |
| H290 | May be corrosive to metals. |
| H314 | Causes severe skin burns and eye damage. |
| H315 | Causes skin irritation. |
| H318 | Causes serious eye damage. |
| H319 | Causes serious eye irritation. |
| H400 | Very toxic to aquatic life. |
| H410 | Very toxic to aquatic life with long lasting effects. |
| H411 | Toxic to aquatic life with long lasting effects. |

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.