

EU safety data sheet

Trade name: KRONES colclean IC 2002

Current version : 1.0.1, issued: 08.06.2021

Replaced version: 1.0.0, issued: 29.05.2020

Region: GB

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

1.1 Product identifier

Trade name

KRONES colclean IC 2002

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

Relevant identified uses of the substance or mixture

cleaning compound

Uses advised against

No data available.

1.3 Details of the supplier of the safety data sheet

Address

KIC KRONES Internationale Cooperationsgesellschaft mbH

Böhmerwaldstraße 5

93073 Neutraubling

Telephone no. +49 9401 70-3020

Fax no. +49 9401 70-3696

e-mail kic@kic-krones.com

Advice on Safety Data Sheet

sdb_info@umco.de

1.4 Emergency telephone number

For medical advice (in German and English):

+49 (0)551 192 40 (Giftinformationszentrum Nord)

In case of transport incidents and other emergencies:

+44 (0) 1235 239 670 (NCEC, National Chemical Emergency Centre)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification in accordance with Regulation (EC) No 1272/2008 (CLP)

Aquatic Acute 1; H400

Aquatic Chronic 2; H411

Eye Dam. 1; H318

Met. Corr. 1; H290

Skin Corr. 1A; H314

Classification information

This product is assessed and classified using the methods and criteria below referred to in Article 9 of Regulation (EC) n° 1272/2008:

Physical hazards: determined through assessment data based on the methods or standards referred to in part 2 of Annex I to CLP

Health hazards and environmental hazards: determined through toxicological and ecotoxicological assessment data based on the methods or standards referred to in Part 3, 4 and 5 of Annex I to CLP.

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008 (CLP Regulation)

Hazard pictograms



GHS05



GHS09

Signal word

Danger

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Hazardous component(s) to be indicated on label:

sodium hydroxide
sodium hypochlorite, solution

Hazard statement(s)

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

Hazard statements (EU)

EUH031 Contact with acids liberates toxic gas.

Precautionary statement(s)

P260 Do not breathe mist/vapours/spray.
P264 Wash thoroughly after handling.
P273 Avoid release to the environment.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].
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/doctor.

2.3 Other hazards

No data available.

SECTION 3: Composition/information on ingredients

3.1 Substances

Not applicable. The product is not a substance.

3.2 Mixtures

Hazardous ingredients

| No | Substance name | | Additional information | |
|----|--|--|------------------------|-----|
| | CAS / EC / Index / REACH no | Classification (EC) 1272/2008 (CLP) | Concentration | % |
| 1 | sodium hydroxide | | | |
| | 1310-73-2 215-185-5 011-002-00-6 01-2119457892-27 | Skin Corr. 1A; H314 Met. Corr. 1; H290 Eye Dam. 1; H318 | >= 10.00 - < 25.00 | wt% |
| 2 | sodium hypochlorite, solution | | | |
| | 7681-52-9 231-668-3 017-011-00-1 01-2119488154-34 | Met. Corr. 1; H290 Skin Corr. 1B; H314 Eye Dam. 1; H318 STOT SE 3; H335 Aquatic Acute 1; H400 Aquatic Chronic 1; H410 EUH031 | < 5.00 | wt% |

Full Text for all H-phrases and EUH-phrases: pls. see section 16

| No | Note | Specific concentration limits | M-factor (acute) | M-factor (chronic) |
|----|------|---|------------------|--------------------|
| 1 | - | Skin Irrit. 2; H315: C >= 0.5% Eye Irrit. 2; H319: C >= 0.5% Skin Corr. 1B; H314: C >= 2% Skin Corr. 1A; H314: C >= 5% | - | - |
| 2 | - | - | M = 10 | M = 1 |

SECTION 4: First aid measures

4.1 Description of first aid measures

General information

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Remove contaminated clothing and shoes immediately, and launder thoroughly before reusing. Seek medical advice immediately.

After inhalation

Remove affected persons from dangerous area by observing suitable respiratory protection measures. Ensure supply of fresh air. Do not use mouth-to-mouth or mouth-to-nose resuscitation. Call a doctor immediately.

After skin contact

Wash immediately with plenty of water for several minutes. Call a doctor immediately.

After eye contact

Remove contact lenses. Rinse eye thoroughly under running water keeping eyelids wide open and protecting the unaffected eye (at least 10 to 15 minutes). Get immediate ophthalmic treatment.

After ingestion

Rinse out mouth and give plenty of water to drink. Do not induce vomiting. Never give anything by mouth to an unconscious person. Call a doctor immediately.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms

burns

4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media

Foam; Extinguishing powder; Water spray jet; Carbon dioxide

Unsuitable extinguishing media

High power water jet

5.2 Special hazards arising from the substance or mixture

In the event of fire, the following can be released: Toxic gases/vapours; Carbon monoxide and carbon dioxide; Hydrogen chloride (HCl)

5.3 Advice for firefighters

Use self-contained breathing apparatus. Wear protective clothing. Do not inhale explosion and/or combustion byproducts. Fire residues and contaminated firefighting water must be disposed of in accordance with the local regulations. Do not allow run-off from fire fighting to enter drains or water courses.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

Refer to protective measures listed in sections 7 and 8. Use personal protective clothing. Ensure adequate ventilation. Remove persons to safety. Avoid contact with skin, eyes and clothing.

For emergency responders

Personal protective equipment (PPE) - see section 8.

6.2 Environmental precautions

Do not discharge into the drains/surface waters/groundwater. Do not discharge into the subsoil/soil. Prevent spread over a wide area (e.g. by containment or oil barriers).

6.3 Methods and material for containment and cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations (see section 13).

6.4 Reference to other sections

Information regarding safe handling, see section 7. Information regarding personal protective measures, see section 8. Information regarding waste disposal, see section 13.

SECTION 7: Handling and storage

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7.1 Precautions for safe handling

Advice on safe handling

Risks inherent to handling the product must be minimised by applying the appropriate protective and preventive measures. Working processes should - so far as possible, according to the state of the art - be designed to rule out bodily contact or the release of hazardous substances. Provide good ventilation at the work area (local exhaust ventilation, if necessary).

General protective and hygiene measures

Do not eat, drink or smoke during work time. Keep away from foodstuffs and beverages. Do not inhale vapours. Avoid contact with eyes and skin. Wash hands before breaks and after work. Remove contaminated clothing and shoes and launder thoroughly before reusing. Clean skin thoroughly after work; apply skin cream. Have emergency shower available. Provide eye wash fountain in work area. Use barrier skin cream.

7.2 Conditions for safe storage, including any incompatibilities

Technical measures and storage conditions

Keep container tightly closed and dry in a cool, well-ventilated place. Keep from freezing. Protect from sun.

Requirements for storage rooms and vessels

Containers which are opened must be carefully closed and kept upright to prevent leakage. Always keep in containers of same material as the original. Provide alkali-resistant floor.

Incompatible products

Substances to be avoided, see section 10. Do not store together with: Acids; Metals

7.3 Specific end use(s)

No data available.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational exposure limit values

| No | Substance name | CAS no. | EC no. |
|---|--|-----------|-------------------|
| 1 | sodium hydroxide | 1310-73-2 | 215-185-5 |
| List of approved workplace exposure limits (WELs) / EH40 | | | |
| | Sodium hydroxide | | |
| | WEL short-term (15 min reference period) | 2 | mg/m ³ |

DNEL, DMEL and PNEC values

DNEL values (worker)

| No | Substance name | CAS / EC no | | |
|----|-------------------------------|---------------------|----------|------------------------|
| | Route of exposure | Exposure time | Effect | Value |
| 1 | sodium hydroxide | | | 1310-73-2 215-185-5 |
| | inhalative | Long term (chronic) | local | 1 mg/m ³ |
| 2 | sodium hypochlorite, solution | | | 7681-52-9 231-668-3 |
| | inhalative | Long term (chronic) | systemic | 1.55 mg/m ³ |
| | inhalative | Short term (acute) | systemic | 3.1 mg/m ³ |
| | inhalative | Long term (chronic) | local | 1.55 mg/m ³ |
| | inhalative | Short term (acute) | local | 3.1 mg/m ³ |

DNEL value (consumer)

| No | Substance name | CAS / EC no | | |
|----|-------------------------------|---------------------|----------|------------------------|
| | Route of exposure | Exposure time | Effect | Value |
| 1 | sodium hydroxide | | | 1310-73-2 215-185-5 |
| | inhalative | Long term (chronic) | local | 1 mg/m ³ |
| 2 | sodium hypochlorite, solution | | | 7681-52-9 231-668-3 |
| | oral | Long term (chronic) | systemic | 0.26 mg/kg/day |

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| | | | | |
|------------|---------------------|----------|------|-------------------|
| inhalative | Long term (chronic) | systemic | 1.55 | mg/m ³ |
| inhalative | Short term (acut) | systemic | 3.1 | mg/m ³ |
| inhalative | Long term (chronic) | local | 1.55 | mg/m ³ |
| inhalative | Short term (acut) | local | 3.1 | mg/m ³ |

PNEC values

| No | Substance name | CAS / EC no |
|------------------------|-------------------------------|------------------------|
| ecological compartment | | Type |
| | | Value |
| 1 | sodium hypochlorite, solution | 7681-52-9 231-668-3 |
| | water | fresh water |
| | water | marine water |
| | sewage treatment plant | - |
| | secondary poisoning | - |
| | | 0.21 µg/L |
| | | 0.042 µg/L |
| | | 4.69 mg/L |
| | | 11.1 mg/kg food |

8.2 Exposure controls

Appropriate engineering controls

Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL (=Occupational Exposure Limit), suitable respiratory protection must be worn.

Personal protective equipment

Respiratory protection

If workplace exposure limits are exceeded, a respiration protection approved for this particular job must be worn. In case of aerosol and mist formation, take appropriate measures for breathing protection in the event workplace threshold values are not specified. combination filter; Multi-purpose filter ABEK
Respirator B-P3

Eye / face protection

Safety glasses with side protection shield (EN 166); Tightly fitting safety glasses (EN 166).

Hand protection

Sufficient protection is given wearing suitable protective gloves checked according to i.e. EN 374, in the event of risk of skin contact with the product. Before use, the protective gloves should be tested in any case for its specific workstation suitability (i.e. mechanical resistance, product compatibility and antistatic properties). Adhere to the manufacturer's instructions and information relating to the use, storage, care and replacement of protective gloves. Protective gloves shall be replaced immediately when physically damaged or worn. Design operations thus to avoid permanent use of protective gloves.

| | | | |
|----------------------|----------------|------|-----|
| Appropriate Material | viton | | |
| Material thickness | >= | 0.35 | mm |
| Breakthrough time | > | 480 | min |
| Appropriate Material | butyl rubber | | |
| Material thickness | >= | 0.5 | mm |
| Breakthrough time | > | 480 | min |
| Appropriate Material | chloroprene | | |
| Material thickness | >= | 0.5 | mm |
| Breakthrough time | > | 480 | min |
| Appropriate Material | nitrile rubber | | |
| Material thickness | >= | 0.35 | mm |
| Breakthrough time | > | 480 | min |

Other

Chemical-resistant work clothes.

Environmental exposure controls

No data available.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

| |
|-----------------------------|
| State of aggregation |
| liquid |
| Form/Colour |

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| | |
|--|------------------------------|
| liquid | |
| yellowish | |
| Odour | |
| characteristic | |
| pH value | |
| Value | 12 - 13 |
| Boiling point / boiling range | |
| No data available | |
| Melting point/freezing point | |
| Value | < 0 °C |
| Decomposition temperature | |
| No data available | |
| Flash point | |
| No data available | |
| Ignition temperature | |
| No data available | |
| Auto-ignition temperature | |
| Comments | Product is not selfigniting. |
| Oxidising properties | |
| not oxidizing | |
| Flammability | |
| No data available | |
| Lower explosion limit | |
| No data available | |
| Upper explosion limit | |
| No data available | |
| Vapour pressure | |
| No data available | |
| Relative vapour density | |
| No data available | |
| Relative density | |
| Value | appr. 1.19 |
| Density | |
| No data available | |
| Solubility in water | |
| Comments | Completely miscible |
| Solubility | |
| No data available | |
| Partition coefficient n-octanol/water (log value) | |
| No data available | |
| Viscosity | |
| No data available | |
| Particle characteristics | |
| No data available | |

9.2 Other information

| | |
|--------------------------|--|
| Other information | |
| No data available. | |

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SECTION 10: Stability and reactivity

10.1 Reactivity

Dangerous reactions are not expected if the product is handled according to its intended use.

10.2 Chemical stability

Stable under recommended storage and handling conditions (See section 7).

10.3 Possibility of hazardous reactions

Reactions with metals, with evolution of hydrogen. Exothermic reaction with: acids; Development of chlorine gas under the influence of acids.

10.4 Conditions to avoid

Heat, naked flames and other ignition sources.

10.5 Incompatible materials

Oxidizing agents; Reducing agents; Acids; Metals

10.6 Hazardous decomposition products

None, if handled according to intended use.

SECTION 11: Toxicological information

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute oral toxicity

No data available

Acute dermal toxicity

No data available

Acute inhalational toxicity

No data available

Skin corrosion/irritation

No data available

Serious eye damage/irritation

No data available

Respiratory or skin sensitisation

| No | Substance name | CAS no. | EC no. |
|---------------------------|------------------|---|-----------|
| 1 | sodium hydroxide | 1310-73-2 | 215-185-5 |
| Route of exposure | | Skin | |
| Species | | Human | |
| Source | | ECHA | |
| Evaluation | | non-sensitizing | |
| Evaluation/classification | | Based on available data, the classification criteria are not met. | |

Germ cell mutagenicity

No data available

Reproduction toxicity

No data available

Carcinogenicity

No data available

STOT - single exposure

No data available

STOT - repeated exposure

No data available

Aspiration hazard

No data available

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11.2 Information on other hazards

Endocrine disrupting properties

No data available.

Other information

No data available.

SECTION 12: Ecological information

12.1 Toxicity

Toxicity to fish (acute)

No data available

Toxicity to fish (chronic)

No data available

Toxicity to Daphnia (acute)

| No | Substance name | CAS no. | EC no. |
|----------------------|-------------------|-----------|-----------|
| 1 | sodium hydroxide | 1310-73-2 | 215-185-5 |
| EC50 | | 40.4 | mg/l |
| Duration of exposure | | 48 | h |
| Species | Ceriodaphnia spec | | |
| Source | ECHA | | |

Toxicity to Daphnia (chronic)

No data available

Toxicity to algae (acute)

No data available

Toxicity to algae (chronic)

No data available

Bacteria toxicity

No data available

12.2 Persistence and 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 Endocrine disrupting properties

No data available.

12.7 Other adverse effects

No data available.

12.8 Other information

Other information

Do not discharge product unmonitored into the environment.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product

Disposal of the product should be carried out in accordance with all applicable regulations following consultation with the responsible local authority and the disposal company in an authorised and suitable disposal facility.

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Allocation of a waste code number, according to the European Waste Catalogue, should be carried out in agreement with the regional waste disposal company.

Packaging

Residues must be removed from packaging and when emptied completely disposed of in accordance with the regulations for waste removal. Incompletely emptied packaging must be disposed of in the form of disposal specified by the regional disposer.

SECTION 14: Transport information

14.1 Transport ADR/RID/ADN

| | |
|--|---|
| Class | 8 |
| Classification code | C5 |
| Packing group | II |
| Hazard identification no. | 80 |
| UN number | UN3266 |
| Proper shipping name | CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S. |
| Technical name | sodium hydroxide sodium hypochlorite, solution |
| Tunnel restriction code | E |
| Label | 8 |
| Environmentally hazardous substance mark | Symbol "fish and tree" |

14.2 Transport IMDG

| | |
|-----------------------|---|
| Class | 8 |
| Packing group | II |
| UN number | UN3266 |
| Proper shipping name | CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S. |
| Technical name | sodium hydroxide sodium hypochlorite, solution |
| EmS | F-A, S-B |
| Label | 8 |
| Marine pollutant mark | Symbol "fish and tree" |

14.3 Transport ICAO-TI / IATA

| | |
|----------------------|---|
| Class | 8 |
| Packing group | II |
| UN number | UN3266 |
| Proper shipping name | Corrosive liquid, basic, inorganic, n.o.s. |
| Technical name | sodium hydroxide sodium hypochlorite, solution |
| Label | 8 |

14.4 Other information

No data available.

14.5 Environmental hazards

Information on environmental hazards, if relevant, please see 14.1 - 14.3.

14.6 Special precautions for user

No data available.

14.7 Maritime transport in bulk according to IMO instruments

Not relevant

SECTION 15: Regulatory information

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

EU regulations

Regulation (EC) No 1907/2006 (REACH) Annex XIV (List of substances subject to authorisation)

According to the data available and/or specifications supplied by upstream suppliers, this product does not contain

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any substances considered as substances requiring authorisation as listed on Annex XIV of the REACH regulation (EC) 1907/2006.

REACH candidate list of substances of very high concern (SVHC) for authorisation

According to available data and the information provided by preliminary suppliers, the product does not contain substances that are considered substances meeting the criteria for inclusion in annex XIV (List of Substances Subject to Authorisation) as laid down in Article 57 and article 59 of REACH (EC) 1907/2006.

Regulation (EC) No 1907/2006 (REACH) Annex XVII: RESTRICTIONS ON THE MANUFACTURE, PLACING ON THE MARKET AND USE OF CERTAIN DANGEROUS SUBSTANCES, MIXTURES AND ARTICLES

| | |
|--|------|
| The product is considered being subject to REACH regulation (EC) 1907/2006 annex XVII. | No 3 |
|--|------|

Directive 2012/18/EU on the control of major-accident hazards involving dangerous substances

| | |
|--|----|
| This product is subject to Part I of Annex I, risk category: | E1 |
|--|----|

Other regulations

Adhere to the national sanitary and occupational safety regulations when using this product.

15.2 Chemical safety assessment

No data available.

SECTION 16: Other information

Sources of key data used to compile the data sheet:

Regulation (EC) No 1907/2006 (REACH), 1272/2008 (CLP) as amended in each case.

Directives 2000/39/EC, 2006/15/EC, 2009/161/EU, (EU) 2017/164.

National Threshold Limit Values of the corresponding countries as amended in each case.

Transport regulations according to ADR, RID, IMDG, IATA as amended in each case.

The data sources used to determine physical, toxic and ecotoxic data, are indicated directly in the corresponding section.

Full text of the H- and EUH- phrases drawn up in sections 2 and 3 (provided not already drawn up in these sections)

| | |
|------|--|
| H318 | Causes serious eye damage. |
| H335 | May cause respiratory irritation. |
| H400 | Very toxic to aquatic life. |
| H411 | Toxic to aquatic life with long lasting effects. |

Creation of the safety data sheet

UMCO GmbH - D-21107 Hamburg, Georg-Wilhelm-Strasse 187, Tel.: +49(40)555 546 300, Fax: +49(40)555 546 357, e-mail: umco@umco.de

This information is based on our present knowledge and experience.

The safety data sheet describes products with a view to safety requirements.

It does not however, constitute a guarantee for any specific product properties and shall not establish a legally valid contractual relationship.

Alterations/supplements:

Alterations to the previous edition are marked in the left-hand margin.

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