

# EU safety data sheet

**Trade name:** KRONES colclean DI 6001

**Current version :** 1.0.1, issued: 08.06.2021

**Replaced version:** 1.0.0, issued: 30.03.2020

**Region:** GB

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

### 1.1 Product identifier

**Trade name**

**KRONES colclean DI 6001**

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

**Relevant identified uses of the substance or mixture**

Disinfectant

**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)**

Acute Tox. 3; H311

Acute Tox. 3; H331

Acute Tox. 4; H302

Aquatic Acute 1; H400

Aquatic Chronic 1; H410

Eye Dam. 1; H318

Skin Corr. 1C; H314

Skin Sens. 1A; H317

**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



GHS06



GHS09

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## Signal word

Danger

## Hazardous component(s) to be indicated on label:

reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H -isothiazol-3-one [EC no. 220-239-6] (3:1)

## Hazard statement(s)

H302 Harmful if swallowed.  
 H311+H331 Toxic in contact with skin or if inhaled  
 H314 Causes severe skin burns and eye damage.  
 H317 May cause an allergic skin reaction.  
 H410 Very toxic to aquatic life with long lasting effects.

## 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.  
 P391 Collect spillage.  
 P403+P233 Store in a well-ventilated place. Keep container tightly closed.

## 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  | reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H -isothiazol-3-one [EC no. 220-239-6] (3:1) |  |                       |
|    | 55965-84-9<br>-<br>613-167-00-5<br>-   | Acute Tox. 2; H310<br>Acute Tox. 2; H330<br>Acute Tox. 3; H301<br>Aquatic Acute 1; H400<br>Aquatic Chronic 1; H410<br>EUH071<br>Eye Dam. 1; H318<br>Skin Corr. 1C; H314<br>Skin Sens. 1A; H317 | <= 2.50 - < 10.00 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  | B    | Skin Sens. 1A; H317: C >= 0.0015%<br>Eye Irrit. 2; H319: C >= 0.06%<br>Skin Irrit. 2; H315: C >= 0.06%<br>Skin Corr. 1C; H314: C >= 0.6%<br>Eye Dam. 1; H318: C >= 0.6% | M = 100          | M = 100            |

Full text for the notes: pls. see section 16 "Notes relating to the identification, classification and labelling of substances ((EC) No 1272/2008, Annex VI)".

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## SECTION 4: First aid measures

### 4.1 Description of first aid measures

#### General information

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

#### After inhalation

Remove affected persons from dangerous area by observing suitable respiratory protection measures. Ensure supply of fresh air. Call a doctor immediately.

#### After skin contact

In case of contact with skin wash off with water. 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 the mouth thoroughly with water. Do not induce vomiting. Never give anything by mouth to an unconscious person. Seek medical attention.

### 4.2 Most important symptoms and effects, both acute and delayed

No data available.

### 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

Extinguishing measures to suit surroundings. All quenching (arc-extinguishing) media available.

#### 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; Nitrogen oxides (NO<sub>x</sub>); Hydrogen chloride (HCl)

### 5.3 Advice for firefighters

Use self-contained breathing apparatus. Wear protective clothing. Fire residues and contaminated firefighting water must be disposed of in accordance with the local regulations.

## 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. Ensure adequate ventilation.

#### 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.

### 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. Provide eye wash fountain in work area. Have emergency shower available.

## 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.

### Recommended storage temperature

Value 15 - 30 °C

### 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.

### Incompatible products

Substances to be avoided, see section 10.

## 7.3 Specific end use(s)

No data available.

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

No parameters available for monitoring.

### 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. Short term: filter apparatus, Filter A

##### Eye / face protection

Safety glasses with side protection shield (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 work-station 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 | butyl rubber   |      |     |
| Material thickness   | >=             | 0.11 | mm  |
| Breakthrough time    | >=             | 480  | min |
| Appropriate Material | nitrile rubber |      |     |
| Material thickness   | >=             | 0.11 | mm  |
| Breakthrough time    | >=             | 480  | min |

##### Other

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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

|                                      |                              |
|--------------------------------------|------------------------------|
| <b>State of aggregation</b>          |                              |
| liquid                               |                              |
| <b>Form/Colour</b>                   |                              |
| liquid                               |                              |
| colourless                           |                              |
| <b>Odour</b>                         |                              |
| characteristic                       |                              |
| <b>pH value</b>                      |                              |
| Value                                | 3 - 4                        |
| <b>Boiling point / boiling range</b> |                              |
| Value                                | 87 °C                        |
| <b>Melting point/freezing point</b>  |                              |
| No data available                    |                              |
| <b>Decomposition temperature</b>     |                              |
| No data available                    |                              |
| <b>Flash point</b>                   |                              |
| No data available                    |                              |
| <b>Ignition temperature</b>          |                              |
| No data available                    |                              |
| <b>Auto-ignition temperature</b>     |                              |
| Comments                             | Product is not selfigniting. |
| <b>Oxidising properties</b>          |                              |
| not oxidizing                        |                              |
| <b>Flammability</b>                  |                              |
| No data available                    |                              |
| <b>Lower explosion limit</b>         |                              |
| No data available                    |                              |
| <b>Upper explosion limit</b>         |                              |
| No data available                    |                              |
| <b>Vapour pressure</b>               |                              |
| No data available                    |                              |
| <b>Relative vapour density</b>       |                              |
| No data available                    |                              |
| <b>Relative density</b>              |                              |
| No data available                    |                              |
| <b>Density</b>                       |                              |
| Value                                | 1.131 g/cm <sup>3</sup>      |
| Reference temperature                | 20 °C                        |
| <b>Solubility in water</b>           |                              |
| Comments                             | completely soluble           |
| <b>Solubility</b>                    |                              |

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No data available

#### Partition coefficient n-octanol/water (log value)

No data available

#### Viscosity

|       |    |   |
|-------|----|---|
| Value | 10 | s |
|-------|----|---|

#### Particle characteristics

No data available

## 9.2 Other information

#### Other information

No data available.

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

No data available.

### 10.2 Chemical stability

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

### 10.3 Possibility of hazardous reactions

Dangerous reactions are not to be expected when handling product according to its intended use.

### 10.4 Conditions to avoid

Heat, naked flames and other ignition sources. Protect from sun.

### 10.5 Incompatible materials

strong acids; Reducing agents; strong oxidizing agents

### 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 (result of the ATE calculation for the mixture)

| No | Product Name |
|----|--------------|
|----|--------------|

|   |                         |
|---|-------------------------|
| 1 | KRONES colclean DI 6001 |
|---|-------------------------|

|               |   |
|---------------|---|
| ATE (Mixture) | 1428.57   |
| Method        | Calculation method according Regulation (EC) No 1272/2008, (CLP), annex I, part 3, section 3.1.3.6. |

#### Acute oral toxicity

No data available

#### Acute dermal toxicity (result of the ATE calculation for the mixture)

| No | Product Name |
|----|--------------|
|----|--------------|

|   |                         |
|---|-------------------------|
| 1 | KRONES colclean DI 6001 |
|---|-------------------------|

|               |   |
|---------------|---|
| ATE (Mixture) | 714.29  |
| Method        | Calculation method according Regulation (EC) No 1272/2008, (CLP), annex I, part 3, section 3.1.3.6. |

#### Acute dermal toxicity

No data available

#### Acute inhalational toxicity (result of the ATE calculation for the mixture)

| No | Product Name |
|----|--------------|
|----|--------------|

|   |                         |
|---|-------------------------|
| 1 | KRONES colclean DI 6001 |
|---|-------------------------|

|                                   |  |
|-----------------------------------|--|
| ATE (Mixture)                     | 0.7143   |
| Route of exposure / physical form | Dust/mist  |
| Method                            | Calculation method according Regulation (EC) No 1272/2008, |

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(CLP), annex I, part 3, section 3.1.3.6.

## Acute inhalational toxicity

No data available

## Skin corrosion/irritation

No data available

## Serious eye damage/irritation

No data available

## Respiratory or skin sensitisation

No data available

## 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

## 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 data available

#### 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.

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## 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.

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                      | CT1  |
| Packing group                            | III  |
| Hazard identification no.                | 86   |
| UN number                                | UN2922   |
| Proper shipping name                     | CORROSIVE LIQUID, TOXIC, N.O.S.  |
| Technical name                           | reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H -isothiazol-3-one [EC no. 220-239-6] (3:1) glycolic-acid |
| Tunnel restriction code                  | E  |
| Label                                    | 8+6.1  |
| Environmentally hazardous substance mark | Symbol "fish and tree"   |

### 14.2 Transport IMDG

|                       |  |
|-----------------------|--|
| Class                 | 8  |
| Subsidiary Risk       | 6.1  |
| Packing group         | III  |
| UN number             | UN2922   |
| Proper shipping name  | CORROSIVE LIQUID, TOXIC, N.O.S.  |
| Technical name        | reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H -isothiazol-3-one [EC no. 220-239-6] (3:1) glycolic-acid |
| EmS                   | F-A, S-B   |
| Label                 | 8+6.1  |
| Marine pollutant mark | Symbol "fish and tree"   |

### 14.3 Transport ICAO-TI / IATA

|         |     |
|---------|-----|
| Class   | 8   |
| Subrisk | 6.1 |



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|                      |  |
|----------------------|--|
| Packing group        | III  |
| UN number            | UN2922   |
| Proper shipping name | Corrosive liquid, toxic, n.o.s.  |
| Technical name       | reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H -isothiazol-3-one [EC no. 220-239-6] (3:1) |
| Label                | glycolic-acid<br>8+6.1   |

## 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 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, H2 |
|--|--------|

If the properties of the substance/product give rise to more than one classification, for the purposes of 2012/18/UE, the lowest qualifying quantities set out in Part 1 and Part 2 of Annex I shall apply.

##### **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)**

EUH071 Corrosive to the respiratory tract.

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|      |                             |
|------|-----------------------------|
| H301 | Toxic if swallowed.         |
| H310 | Fatal in contact with skin. |
| H311 | Toxic in contact with skin. |
| H318 | Causes serious eye damage.  |
| H330 | Fatal if inhaled.           |
| H331 | Toxic if inhaled.           |
| H400 | Very toxic to aquatic life. |

**Notes relating to the identification, classification and labelling of substances and mixtures ((EC) No 1272/2008, Annex VI)**

**B** Some substances (acids, bases, etc.) are placed on the market in aqueous solutions at various concentrations and, therefore, these solutions require different classification and labelling since the hazards vary at different concentrations. In Part 3 entries with Note B have a general designation of the following type: 'nitric acid ... %'. In this case the supplier must state the percentage concentration of the solution on the label. Unless otherwise stated, it is assumed that the percentage concentration is calculated on a weight/weight basis.

**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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