

# EC safety data sheet

Trade name: KRONES colclean CG 4005

Current version : 1.0.0, issued: 12.03.2020

Replaced version: -, issued: -

Region: GB

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

### 1.1 Product identifier

Trade name

**KRONES colclean CG 4005**

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

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

Conveyor lubricant

**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 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.

This product does not meet the classification criteria given in the Regulation (EC) No 1272/2008 (CLP).

### 2.2 Label elements

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

**Hazard pictograms**

-

**Signal word**

-

**Hazard statement(s)**

-

**Hazard statements (EU)**

EUH208

Contains 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). May produce an allergic reaction.

EUH210

Safety data sheet available on request.

**Precautionary statement(s)**

-

**Labelling information**

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The labelling (EU hazard statements) meets the criteria of annex II of Directive (EC) Nr. 1272/2008 (CLP).

## 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	<b>2-(2-butoxyethoxy)ethanol</b>		
	112-34-5 203-961-6 603-096-00-8 01-2119475104-44	Eye Irrit. 2; H319	< 5.00 %-b.w.
2	<b>Alkane C6-C8 (even numbered), 1-sulphonic acid, sodium salt</b>		
	1474044-66-0 939-625-7 - 01-2119985168-23	Acute Tox. 4; H302 Eye Irrit. 2; H319 Skin Irrit. 2; H315	< 5.00 %-b.w.
3	<b>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)</b>		pls. refer to footnote (1)
	55965-84-9 - 613-167-00-5 -	Acute Tox. 3; H301 Acute Tox. 1; H310 Acute Tox. 2; H330 Aquatic Acute 1; H400 Aquatic Chronic 1; H410 Skin Corr. 1B; H314 Skin Sens. 1A; H317	< 0.10 %-b.w.
4	<b>glycerol</b>		
	56-81-5 200-289-5 - -	-	>= 25.00 - < 50.00 %-b.w.

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

(1) Aberrant from/in addition to the classification set out in Annex VI, this substance is classified according to European Regulation (EC) No 1272/2008 (CLP), Article 4 (3), paragraph 2.

No	Note	Specific concentration limits	M-factor (acute)	M-factor (chronic)
3	-	Skin Sens. 1; H317: C >= 0.0015% Eye Irrit. 2; H319: C >= 0.06% Skin Irrit. 2; H315: C >= 0.06% Skin Corr. 1B; H314: C >= 0.6%	M = 10	M = 10

## 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. In case of persisting adverse effects, consult a physician.

#### After inhalation

Remove affected persons from dangerous area by observing suitable respiratory protection measures. Ensure supply of fresh air. In case of persisting adverse effects consult a physician.

#### After skin contact

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In case of contact with skin wash off with water. Consult a doctor if skin irritation persists. Get medical attention if pain still persists.

#### **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 medical attention if pain still persists.

#### **After ingestion**

Rinse 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**

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

#### **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.

### **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. High risk of slipping due to leakage/spillage of product.

##### **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 chapter 7. Information regarding personal protective measures, see chapter 8. Information regarding waste disposal, see chapter 13.

### **SECTION 7: Handling and storage**

#### **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

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contact with eyes and skin. Wash hands before breaks and after work. Remove contaminated clothing and shoes and launder thoroughly before reusing.

## 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.

### 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, pls. See chapter 10.

## 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	glycerol	56-81-5	200-289-5
<b>List of approved workplace exposure limits (WELs) / EH40</b>			
Glycerol mist			
	WEL long-term (8-hr TWA reference period)	10	mg/m <sup>3</sup>
2	2-(2-butoxyethoxy)ethanol	112-34-5	203-961-6
<b>2006/15/EC</b>			
2-(2-Butoxyethoxy)ethanol			
	WEL short-term (15 min reference period)	101.2	mg/m <sup>3</sup> 15 ppm
	WEL long-term (8-hr TWA reference period)	67.5	mg/m <sup>3</sup> 10 ppm
<b>List of approved workplace exposure limits (WELs) / EH40</b>			
2-(2-Butoxyethoxy)ethanol			
	WEL short-term (15 min reference period)	101.2	mg/m <sup>3</sup> 15 ppm
	WEL long-term (8-hr TWA reference period)	67.5	mg/m <sup>3</sup> 10 ppm

#### DNEL, DMEL and PNEC values

##### DNEL values (worker)

No	Substance name	CAS / EC no	
	Route of exposure	Exposure time	Effect
			Value
1	2-(2-butoxyethoxy)ethanol		112-34-5 203-961-6
	dermal	Long term (chronic)	systemic 20 mg/kg/day
	inhalative	Long term (chronic)	systemic 67.5 mg/m <sup>3</sup>
	inhalative	Long term (chronic)	local 67.5 mg/m <sup>3</sup>
	inhalative	Short term (acute)	local 101.2 mg/m <sup>3</sup>
2	Alkane C6-C8 (even numbered), 1-sulphonic acid, sodium salt		1474044-66-0 939-625-7
	dermal	Long term (chronic)	systemic 430 mg/kg/day
	inhalative	Long term (chronic)	systemic 30.32 mg/m <sup>3</sup>

##### DNEL value (consumer)

No	Substance name	CAS / EC no	
	Route of exposure	Exposure time	Effect
			Value
1	2-(2-butoxyethoxy)ethanol		112-34-5 203-961-6
	oral	Long term (chronic)	systemic 1.25 mg/kg/day
	dermal	Long term (chronic)	systemic 10 mg/kg/day
	inhalative	Long term (chronic)	local 34 mg/m <sup>3</sup>
	inhalative	Long term (chronic)	systemic 34 mg/m <sup>3</sup>

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	inhalative	Short term (acute)	local	50.6	mg/m <sup>3</sup>
2	<b>Alkane C6-C8 (even numbered), 1-sulphonic acid, sodium salt</b>			<b>1474044-66-0</b>	<b>939-625-7</b>
	oral	Long term (chronic)	systemic	2.15	mg/kg/day
	dermal	Long term (chronic)	systemic	215	mg/kg/day
	inhalative	Long term (chronic)	systemic	7.48	mg/m <sup>3</sup>

## PNEC values

No	Substance name		CAS / EC no	
	ecological compartment	Type	Value	
1	<b>2-(2-butoxyethoxy)ethanol</b>		<b>112-34-5</b>	<b>203-961-6</b>
	water	fresh water	1.0	mg/L
	water	fresh water sediment	4.0	mg/kg
	with reference to: dry weight			
	water	marine water	0.1	mg/L
	water	marine water sediment	0.4	mg/kg
	with reference to: dry weight			
	water	Aqua intermittent	3.9	mg/L
	soil	-	0.4	mg/kg
	sewage treatment plant	-	200	mg/L

## 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.

#### 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.

Material thickness > 0.7 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

<b>Form/Colour</b>
liquid
light yellow
<b>Odour</b>
characteristic
<b>Odour threshold</b>

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No data available			
<b>pH value</b>			
Value	8.0		
<b>Boiling point / boiling range</b>			
No data available			
<b>Melting point / melting range</b>			
No data available			
<b>Decomposition point / decomposition range</b>			
No data available			
<b>Flash point</b>			
Value	>	60	°C
<b>Auto-ignition temperature</b>			
Comments	Product is not selfigniting.		
<b>Oxidising properties</b>			
not oxidizing			
<b>Explosive properties</b>			
No data available			
<b>Flammability (solid, gas)</b>			
No data available			
<b>Lower flammability or explosive limits</b>			
No data available			
<b>Upper flammability or explosive limits</b>			
No data available			
<b>Vapour pressure</b>			
No data available			
<b>Vapour density</b>			
No data available			
<b>Evaporation rate</b>			
No data available			
<b>Relative density</b>			
No data available			
<b>Density</b>			
Value	1.08	g/ml	
Reference temperature	20	°C	
<b>Solubility in water</b>			
Comments	Completely miscible		
<b>Solubility(ies)</b>			
No data available			
<b>Partition coefficient: n-octanol/water</b>			
No	Substance name	CAS no.	EC no.
1	Alkane C6-C8 (even numbered), 1-sulphonic acid, sodium salt	1474044-66-0	939-625-7
log Pow		-0.7	
Reference temperature		20	°C
Method	OECD 107		
Source	ECHA		
<b>Viscosity</b>			
No data available			

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## 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

None, if handled according to intended use.

### 10.5 Incompatible materials

Oxidizing agents

### 10.6 Hazardous decomposition products

None, if handled according to intended use.

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

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

No	Product Name
1	KRONES colclean CG 4005
Comments	
The result of the applied calculation method according to the European Regulation (EC) 1272/2008 (CLP), Paragraph 3.1.3.6, Part 3 of Annex I is outside the values that imply a classification / labelling of this mixture according to table 3.1.1 defining the respective categories (ATE oral > 2000 mg/kg).	

#### Acute oral toxicity

No	Substance name	CAS no.	EC no.
1	Alkane C6-C8 (even numbered), 1-sulphonic acid, sodium salt	1474044-66-0	939-625-7
LD50	>	1550	mg/kg bodyweight
Species	rat		
Source	ECHA		

#### Acute dermal toxicity

No	Substance name	CAS no.	EC no.
1	Alkane C6-C8 (even numbered), 1-sulphonic acid, sodium salt	1474044-66-0	939-625-7
LD50	>	2001	mg/kg bodyweight
Species	rat		
Method	OECD 402		
Source	ECHA		

#### Acute inhalational toxicity

No data available

#### Skin corrosion/irritation

No	Substance name	CAS no.	EC no.
1	Alkane C6-C8 (even numbered), 1-sulphonic acid, sodium salt	1474044-66-0	939-625-7
Species	rabbit		
Method	16 CFR 1500.41		

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Source Evaluation	ECHA irritant
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## Serious eye damage/irritation

No	Substance name	CAS no.	EC no.
1	Alkane C6-C8 (even numbered), 1-sulphonic acid, sodium salt	1474044-66-0	939-625-7
Species		rabbit	
Method		16 CFR 1500.42	
Source		ECHA	
Evaluation		irritant	

## Respiratory or skin sensitisation

No	Substance name	CAS no.	EC no.
1	Alkane C6-C8 (even numbered), 1-sulphonic acid, sodium salt	1474044-66-0	939-625-7
Route of exposure		Skin	
Species		guinea pig	
Method		OECD 406	
Source		ECHA	
Evaluation		non-sensitizing	

## Germ cell mutagenicity

No	Substance name	CAS no.	EC no.
1	Alkane C6-C8 (even numbered), 1-sulphonic acid, sodium salt	1474044-66-0	939-625-7
Species		Salmonella typhimurium TA98, TA100, TA102, TA1535, TA1537	
Method		OECD 471	
Source		ECHA	
Evaluation/classification		Based on available data, the classification criteria are not met.	

## 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

## SECTION 12: Ecological information

### 12.1 Toxicity

#### Toxicity to fish (acute)

No	Substance name	CAS no.	EC no.
1	Alkane C6-C8 (even numbered), 1-sulphonic acid, sodium salt	1474044-66-0	939-625-7
LC50		>	100 mg/l
Duration of exposure		96	h
Species		Danio rerio	
Method		OECD 203	
Source		ECHA	

#### Toxicity to fish (chronic)

No data available

#### Toxicity to Daphnia (acute)

No data available

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Toxicity to Daphnia (chronic)			
No data available			

Toxicity to algae (acute)			
No	Substance name	CAS no.	EC no.
1	Alkane C6-C8 (even numbered), 1-sulphonic acid, sodium salt	1474044-66-0	939-625-7
EC50	>	100	mg/l
Duration of exposure		72	h
Species	Pseudokirchneriella subcapitata		
Method	OECD 201		
Source	ECHA		

Toxicity to algae (chronic)			
No data available			

Bacteria toxicity			
No data available			

## 12.2 Persistence and degradability

Biodegradability			
No	Substance name	CAS no.	EC no.
1	Alkane C6-C8 (even numbered), 1-sulphonic acid, sodium salt	1474044-66-0	939-625-7
Value		89.7	%
Duration		28	day(s)
Method	OECD 301 B		
Source	ECHA		
Evaluation	readily biodegradable		

## 12.3 Bioaccumulative potential

Partition coefficient: n-octanol/water			
No	Substance name	CAS no.	EC no.
1	Alkane C6-C8 (even numbered), 1-sulphonic acid, sodium salt	1474044-66-0	939-625-7
log Pow		-0.7	
Reference temperature		20	°C
Method	OECD 107		
Source	ECHA		

## 12.4 Mobility in soil

No data available.

## 12.5 Results of PBT and vPvB assessment

No data available.

## 12.6 Other adverse effects

No data available.

## 12.7 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

Residuals must be removed from packaging and when emptied completely disposed of in accordance with the

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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

The product is not subject to ADR/RID/ADN regulations.

### 14.2 Transport IMDG

The product is not subject to IMDG regulations.

### 14.3 Transport ICAO-TI / IATA

The product is not subject to ICAO-TI / IATA regulations.

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

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, PREPARATIONS AND ARTICLES

The product contains following substance(s) that are considered being subject to REACH regulation (EC) 1907/2006 annex XVII.

No	Substance name	CAS no.	EC no.	No
1	2-(2-butoxyethoxy)ethanol	112-34-5	203-961-6	55

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

This product is not subject to Part 1 or 2 of Annex I.

#### 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.

EC Directives 2000/39/EC, 2006/15/EC, 2009/161/EU

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.

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

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

H301	Toxic if swallowed.
H302	Harmful if swallowed.
H310	Fatal in contact with skin.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H330	Fatal if inhaled.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.

**Department issuing 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](mailto: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.

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