

# EC safety data sheet

**Trade name:** KRONES colclean DI 4001

**Current version :** 1.0.0, issued: 09.03.2020

**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 DI 4001**

### 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)**

Eye Dam. 1; H318

Flam. Liq. 3; H226

STOT SE 3; H336

**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**



GHS02



GHS05



GHS07

**Signal word**

Danger

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

propan-1-ol

**Hazard statement(s)**

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H226 Flammable liquid and vapour.  
H318 Causes serious eye damage.  
H336 May cause drowsiness or dizziness.

### Precautionary statement(s)

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
P280 Wear protective gloves/protective clothing/eye protection/face protection.  
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.  
P501 Dispose of contents/container to a facility in accordance with local and national regulations.

## 2.3 Other hazards

PBT assessment

The product is not considered to be a PBT.

vPvB assessment

The product is not considered to be a vPvB.

## 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>propan-1-ol</b>		
	71-23-8 200-746-9 603-003-00-0 01-2119486761-29	Eye Dam. 1; H318 Flam. Liq. 2; H225 STOT SE 3; H336	>= 25.00 - < 50.00 %-b.w.
2	<b>ethanol</b>		
	64-17-5 200-578-6 603-002-00-5 01-2119457610-43	Flam. Liq. 2; H225 Eye Irrit. 2; H319	>= 10.00 - < 25.00 %-b.w.

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

No	Note	Specific concentration limits	M-factor (acute)	M-factor (chronic)
2	-	Eye Irrit. 2; H319: C >= 50%	-	-

## 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

In case of contact with skin wash off with water. Consult a doctor if skin irritation 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.

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## After ingestion

Rinse mouth thoroughly with water. Do not induce vomiting. Never give anything by mouth to an unconscious person. Seek medical advice.

## 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; Alcohol-resistant foam

#### 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 pyrolysis products; 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. Run-off water from fire fighting must not be discharged into drains or enter surface water. Cool closed containers exposed to fire with water. 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. Exclude sources of ignition and ventilate the area. Use personal protective 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 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 contact with eyes and skin. Wash hands before breaks and after work. Remove contaminated clothing and shoes and launder thoroughly before reusing.

#### Advice on protection against fire and explosion

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Isolate from sources of heat, sparks and open flame. Keep away from sources of ignition - refrain from smoking. Take precautionary measures against static charges. No sparking tools should be used.

## 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. Protect from heat and direct sunlight.

### 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	propan-1-ol	71-23-8	200-746-9
<b>List of approved workplace exposure limits (WELs) / EH40</b>			
Propan-1-ol			
	WEL short-term (15 min reference period)	625 mg/m <sup>3</sup>	250 ppm
	WEL long-term (8-hr TWA reference period)	500 mg/m <sup>3</sup>	200 ppm
	Comments	Sk	
2	ethanol	64-17-5	200-578-6
<b>List of approved workplace exposure limits (WELs) / EH40</b>			
Ethanol			
	WEL long-term (8-hr TWA reference period)	1920 mg/m <sup>3</sup>	1000 ppm

#### DNEL, DMEL and PNEC values

##### DNEL values (worker)

No	Substance name	CAS / EC no		
	Route of exposure	Exposure time	Effect	Value
1	propan-1-ol	71-23-8 200-746-9		
	dermal	Long term (chronic)	systemic	136 mg/kg/day
	inhalative	Short term (acut)	systemic	1723 mg/m <sup>3</sup>
	inhalative	Long term (chronic)	systemic	268 mg/m <sup>3</sup>
2	ethanol	64-17-5 200-578-6		
	dermal	Long term (chronic)	systemic	343 mg/kg/day
	inhalative	Long term (chronic)	systemic	950 mg/m <sup>3</sup>

##### DNEL value (consumer)

No	Substance name	CAS / EC no		
	Route of exposure	Exposure time	Effect	Value
1	propan-1-ol	71-23-8 200-746-9		
	oral	Long term (chronic)	systemic	61 mg/kg/day
	dermal	Long term (chronic)	systemic	81 mg/kg/day
	inhalative	Short term (acut)	systemic	1036 mg/m <sup>3</sup>
	inhalative	Long term (chronic)	systemic	80 mg/m <sup>3</sup>
2	ethanol	64-17-5 200-578-6		
	oral	Long term (chronic)	systemic	87 mg/kg/day
	dermal	Long term (chronic)	systemic	206 mg/kg/day

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inhalative	Long term (chronic)	systemic	114	mg/m <sup>3</sup>
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## PNEC values

No	Substance name	CAS / EC no	
	ecological compartment	Type	Value
1	<b>propan-1-ol</b>	<b>71-23-8</b> <b>200-746-9</b>	
	water	fresh water	10 mg/L
	water	marine water	1 mg/L
	water	Aqua intermittent	10 mg/L
	water	fresh water sediment	22.8 mg/kg
	water	marine water sediment	2.28 mg/kg
	soil	-	2.2 mg/kg
	sewage treatment plant	-	96 mg/L
2	<b>ethanol</b>	<b>64-17-5</b> <b>200-578-6</b>	
	water	fresh water	0.96 mg/L
	water	marine water	0.79 mg/L
	water	fresh water sediment	3.6 mg/kg dry weight
	water	marine water sediment	2.9 mg/L
	water	Aqua intermittent	2.75 mg/L
	soil	-	0.63 mg/kg dry weight
	sewage treatment plant	-	580 mg/L
	secondary poisoning	-	0.38 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.

Respirator kurzzzeitig Filtergerät

Respiratory filter (gas) : 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	>	0.5	mm
Breakthrough time	>	480	min
Appropriate Material	nitrile rubber		
Material thickness	>	0.5	mm
Breakthrough time	>	480	min

#### Other

Chemical-resistant work clothes.

#### Environmental exposure controls

No data available.

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## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

<b>Form/Colour</b>	
liquid	
colourless	
<b>Odour</b>	
alcohol-like	
<b>Odour threshold</b>	
No data available	
<b>pH value</b>	
No data available	
<b>Boiling point / boiling range</b>	
Value	< 100 °C
<b>Melting point / melting range</b>	
Value	< 0 °C
<b>Decomposition point / decomposition range</b>	
No data available	
<b>Flash point</b>	
Value	27.5 °C
<b>Auto-ignition temperature</b>	
No data available	
<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>	
Value	0.9
<b>Density</b>	
No data available	
<b>Solubility in water</b>	
Comments	Completely miscible
<b>Solubility(ies)</b>	
No data available	
<b>Partition coefficient: n-octanol/water</b>	

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No	Substance name	CAS no.	EC no.
1	ethanol	64-17-5	200-578-6
log Pow		-0.35	
Reference temperature		24	°C
with reference to		pH 7,4	
Method		OECD 107	
Source		ECHA	

## Viscosity

No data available

## 9.2 Other information

### Other information

No data available.

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

Stable at ambient temperature.

### 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

Oxidizing agents; Acids

### 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			
No	Substance name	CAS no.	EC no.
1	propan-1-ol	71-23-8	200-746-9
LD50		5400	mg/kg bodyweight
Species	rat		
Source	ECHA		
2	ethanol	64-17-5	200-578-6
LD50		10470	mg/kg bodyweight
Species	rat		
with reference to	95% ethanol in water		
Method	OECD 401		
Source	ECHA		

### Acute dermal toxicity

No	Substance name	CAS no.	EC no.
1	propan-1-ol	71-23-8	200-746-9
LD50		4032	mg/kg bodyweight
Species	rabbit		
Method	OECD 402		
Source	ECHA		

### Acute inhalational toxicity

No	Substance name	CAS no.	EC no.
1	propan-1-ol	71-23-8	200-746-9
LC50		>	33.8 mg/l

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Duration of exposure	4	h
State of aggregation	Vapour	
Species	rat	
Method	OECD 403	
Source	ECHA	
<b>2</b>	<b>ethanol</b>	<b>64-17-5</b> <b>200-578-6</b>
LC50	124.7	mg/l
Duration of exposure	4	h
State of aggregation	Vapour	
Species	rat	
Method	OECD 403	
Source	ECHA	

Skin corrosion/irritation		
No	Substance name	CAS no.      EC no.
<b>1</b>	<b>propan-1-ol</b>	<b>71-23-8</b> <b>200-746-9</b>
Species	rabbit	
Method	OECD 404	
Source	ECHA	
Evaluation	non-irritant	
<b>2</b>	<b>ethanol</b>	<b>64-17-5</b> <b>200-578-6</b>
Duration of exposure	24	h
Species	rabbit	
Method	OECD 404	
Source	ECHA	
Evaluation	non-irritant	

Serious eye damage/irritation		
No	Substance name	CAS no.      EC no.
<b>1</b>	<b>propan-1-ol</b>	<b>71-23-8</b> <b>200-746-9</b>
Species	rabbit	
Method	OECD 405	
Source	ECHA	
Evaluation	Irreversible effects on the eye	
<b>2</b>	<b>ethanol</b>	<b>64-17-5</b> <b>200-578-6</b>
Species	rabbit	
Method	OECD 405	
Source	ECHA	
Evaluation	irritant	

Respiratory or skin sensitisation		
No	Substance name	CAS no.      EC no.
<b>1</b>	<b>propan-1-ol</b>	<b>71-23-8</b> <b>200-746-9</b>
Route of exposure	Skin	
Species	guinea pig	
Method	OECD 406	
Source	ECHA	
Evaluation	non-sensitizing	
<b>2</b>	<b>ethanol</b>	<b>64-17-5</b> <b>200-578-6</b>
Route of exposure	Skin	
Species	mouse	
Source	ECHA	
Evaluation	non-sensitizing	

Germ cell mutagenicity		
No	Substance name	CAS no.      EC no.
<b>1</b>	<b>propan-1-ol</b>	<b>71-23-8</b> <b>200-746-9</b>
Source	ECHA	
Evaluation/classification	Based on available data, the classification criteria are not met.	
<b>2</b>	<b>ethanol</b>	<b>64-17-5</b> <b>200-578-6</b>
Source	ECHA	
Evaluation/classification	Based on available data, the classification criteria are not met.	



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Reproduction toxicity			
No	Substance name	CAS no.	EC no.
1	ethanol	64-17-5	200-578-6
Route of exposure		oral	
NOAEL			
Type of examination		2 generation study	
Species		mouse	
Source		ECHA	
Evaluation/classification		Based on available data, the classification criteria are not met.	

Carcinogenicity			
No	Substance name	CAS no.	EC no.
1	ethanol	64-17-5	200-578-6
Source		ECHA	
Evaluation/classification		Based on available data, the classification criteria are not met.	

STOT - single exposure			
No data available			

STOT - repeated exposure			
No	Substance name	CAS no.	EC no.
1	ethanol	64-17-5	200-578-6
Route of exposure		oral	
Duration of exposure		14	week/s
Species		rat	
Target organ		kidneys	
Method		OECD 408	
Source		ECHA	
Evaluation/classification		Based on available data, the classification criteria are not met.	

Aspiration hazard			
No data available			

## SECTION 12: Ecological information

### 12.1 Toxicity

Toxicity to fish (acute)			
No	Substance name	CAS no.	EC no.
1	propan-1-ol	71-23-8	200-746-9
LC50		4555	mg/l
Duration of exposure		96	h
Species		Pimephales promelas	
Method		OECD 203	
Source		ECHA	
2	ethanol	64-17-5	200-578-6
LC50		14200	mg/l
Duration of exposure		96	h
Species		Pimephales promelas	
Method		EPA	
Source		ECHA	

Toxicity to fish (chronic)			
No data available			

Toxicity to Daphnia (acute)			
No	Substance name	CAS no.	EC no.
1	propan-1-ol	71-23-8	200-746-9
EC50		3644	mg/l
Duration of exposure		48	h
Species		Daphnia magna	
Method		DIN 38412 Part 11	
Source		ECHA	
2	ethanol	64-17-5	200-578-6

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EC50	>	10000	mg/l
Duration of exposure		48	h
Species	Daphnia magna		
Method	DIN 38412 T.11		
Source	ECHA		

Toxicity to Daphnia (chronic)			
No	Substance name	CAS no.	EC no.
1	ethanol	64-17-5	200-578-6
NOEC		9.6	mg/l
Duration of exposure		9	day(s)
Species	Daphnia magna		
Source	ECHA		

Toxicity to algae (acute)			
No	Substance name	CAS no.	EC no.
1	ethanol	64-17-5	200-578-6
EC50		275	mg/l
Duration of exposure		72	h
Species	Chlorella vulgaris		
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	propan-1-ol	71-23-8	200-746-9
Type	aerobic biodegradation		
Value		75	%
Duration		20	day(s)
Source	ECHA		
Evaluation	readily biodegradable		
2	ethanol	64-17-5	200-578-6
Type	aerobic biodegradation		
Value	appr.	84	%
Duration		20	day(s)
Method	OECD		
Source	ECHA		
Evaluation	readily biodegradable		

## 12.3 Bioaccumulative potential

Partition coefficient: n-octanol/water			
No	Substance name	CAS no.	EC no.
1	ethanol	64-17-5	200-578-6
log Pow		-0.35	
Reference temperature		24	°C
with reference to	pH 7,4		
Method	OECD 107		
Source	ECHA		

## 12.4 Mobility in soil

No data available.

## 12.5 Results of PBT and vPvB assessment

Results of PBT and vPvB assessment	
PBT assessment	The product is not considered to be a PBT.
vPvB assessment	The product is not considered to be a vPvB.

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## 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 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	3
Classification code	F1
Packing group	III
Hazard identification no.	30
UN number	UN1987
Proper shipping name	ALCOHOLS, N.O.S.
Technical name	propan-1-ol ethanol
Tunnel restriction code	D/E
Label	3

### 14.2 Transport IMDG

Class	3
Packing group	III
UN number	UN1987
Proper shipping name	ALCOHOLS, N.O.S.
Technical name	propan-1-ol ethanol
EmS	F-E, S-D
Label	3

### 14.3 Transport ICAO-TI / IATA

Class	3
Packing group	III
UN number	UN1987
Proper shipping name	Alcohols, n.o.s.
Technical name	propan-1-ol ethanol
Label	3

### 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

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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 is considered being subject to REACH regulation (EC) 1907/2006 annexe XVII.	No 3, 40
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#### 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:	P5c
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#### Directive 2010/75/EU on industrial emissions (integrated pollution prevention and control)

VOC content	61	%
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#### Other regulations

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

### 15.2 Chemical safety assessment

A chemical safety assessment has been carried out for the following substance/s in this mixture: A Chemical Safety Assessment has been carried out for one or more of the substances within this mixture.

CAS no. 71-23-8

EC no. 200-746-9

## 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.

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)

H225 Highly flammable liquid and vapour.

H319 Causes serious eye irritation.

#### 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

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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Prod-ID 760610

# EC safety data sheet

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**Trade name:** KRONES colclean DI 4001

**Current version :** 1.0.0, issued: 09.03.2020

**Replaced version:** -, issued: -

**Region:** GB

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