

EU safety data sheet

Trade name: KRONES colclean C 1209

Current version : 2.0.4, issued: 08.06.2021

Replaced version: 2.0.3, issued: 03.08.2020

Region: GB

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

1.1 Product identifier

Trade name

KRONES colclean C 1209

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

Relevant identified uses of the substance or mixture

Cleaning agent

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)

Aerosol 1; H222

Aquatic Chronic 3; H412

Asp. Tox. 1; H304

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



GHS07



GHS08

Signal word

Danger

Hazardous component(s) to be indicated on label:

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Hydrocarbons, C11-C12, isoalkanes, < 2% aromatics
1-methoxy-2-propanol

Hazard statement(s)

H222 Extremely flammable aerosol.
H229 Pressurised container: May burst if heated.
H304 May be fatal if swallowed and enters airways.
H336 May cause drowsiness or dizziness.
H412 Harmful to aquatic life with long lasting effects.

Hazard statements (EU)

EUH066 Repeated exposure may cause skin dryness or cracking.
EUH208 Contains (R)-p-mentha-1,8-diene. May produce an allergic reaction.

Precautionary statement(s)

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P211 Do not spray on an open flame or other ignition source.
P251 Do not pierce or burn, even after use.
P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/doctor.
P331 Do NOT induce vomiting.
P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.

Labelling information

The labelling of an aspiration hazard (Asp. Tox. 1; H304) is not mandatory for aerosols and containers with a sealed spray attachment (Regulation (EC) 1272/2008, Annex 1, 1.3.3).

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	Hydrocarbons, C11-C12, isoalkanes, < 2% aromatics		
	- 918-167-1 - 01-2119472146-39	Aquatic Chronic 4; H413 Asp. Tox. 1; H304 EUH066 Flam. Liq. 3; H226	>= 25.00 - < 50.00 wt%
2	1-methoxy-2-propanol		
	107-98-2 203-539-1 603-064-00-3 -	Flam. Liq. 3; H226 STOT SE 3; H336	>= 25.00 - < 50.00 wt%
3	carbon dioxide		
	124-38-9 204-696-9 - -	Press. Gas refr. liq.; H281	>= 5.00 - < 10.00 wt%
4	(R)-p-mentha-1,8-diene		
	5989-27-5 227-813-5 601-029-00-7 01-2119529223-47	Aquatic Acute 1; H400 Asp. Tox. 1; H304 Flam. Liq. 3; H226 Skin Irrit. 2; H315 Skin Sens. 1; H317	< 2.50 wt%

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	Aquatic Chronic 1; H410		
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Full Text for all H-phrases and EUH-phrases: pls. see section 16

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. Remove to fresh air, keep patient warm and at rest. If breathing is irregular or stopped, administer artificial respiration. Call a doctor immediately.

After skin contact

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

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 - aspiration hazard. 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

Unconsciousness; Dizziness; Light-headedness; headaches; Nausea; Tiredness; reddening of the skin; CNS depression

Effects

In the case of swallowing with subsequent vomiting, aspiration of the lungs can occur which can lead to chemical pneumonia or asphyxiation.

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

ABC powder

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: Carbon monoxide and carbon dioxide; Toxic gases/vapours; In case of fire: danger of pressure build up, which could result in container rupture.

5.3 Advice for firefighters

Use self-contained breathing apparatus. Wear protective clothing. Containers close to fire should be transferred to a safe place. Cool closed containers exposed to fire with water. Drums can explode from steam pressure.

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. Keep away from ignition sources. Remove persons to safety. Ensure adequate ventilation. Do not inhale vapours/aerosols.

For emergency responders

Personal protective equipment (PPE) - see section 8.

6.2 Environmental precautions

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Do not discharge into the drains/surface waters/groundwater. Do not discharge into the subsoil/soil. In case of entry into waterways, soil or drains, inform the responsible authorities.

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

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). Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50 °C. Do not pierce or burn, even after use.

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

Vapours can form an explosive mixture with air. Isolate from sources of heat, sparks and open flame. Take precautionary measures against electrostatic loading (earthing necessary during loading operations). Use explosion-proof equipment/fittings and non-sparking tools.

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.

Recommended storage temperature

Value < 50 °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

Occupational exposure limit values

No	Substance name	CAS no.	EC no.
1	1-methoxy-2-propanol	107-98-2	203-539-1
	2000/39/EC		
	1-Methoxypropanol-2		
	WEL short-term (15 min reference period)	568	mg/m ³ 150 ppm
	WEL long-term (8-hr TWA reference period)	375	mg/m ³ 100 ppm
	Skin resorption / sensibilisation	Skin	
	List of approved workplace exposure limits (WELs) / EH40		
	1-Methoxypropan-2-ol		
	WEL short-term (15 min reference period)	560	mg/m ³ 150 ppm
	WEL long-term (8-hr TWA reference period)	375	mg/m ³ 100 ppm

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	Comments	Sk			
2	carbon dioxide	124-38-9	204-696-9		
	2006/15/EC				
	Carbon dioxide				
	WEL long-term (8-hr TWA reference period)	9000	mg/m ³	5000	ppm
	List of approved workplace exposure limits (WELs) / EH40				
	Carbon dioxide				
	WEL short-term (15 min reference period)	27400	mg/m ³	15000	ppm
	WEL long-term (8-hr TWA reference period)	9150	mg/m ³	5000	ppm

DNEL, DMEL and PNEC values

DNEL values (worker)

No	Substance name			CAS / EC no	
	Route of exposure	Exposure time	Effect	Value	
1	(R)-p-mentha-1,8-diene			5989-27-5 227-813-5	
	dermal	Short term (acut)	local	222	µg/cm ²
	inhalative	Long term (chronic)	systemic	33.3	mg/m ³

DNEL value (consumer)

No	Substance name			CAS / EC no	
	Route of exposure	Exposure time	Effect	Value	
1	(R)-p-mentha-1,8-diene			5989-27-5 227-813-5	
	oral	Long term (chronic)	systemic	4.76	mg/kg/day
	dermal	Short term (acut)	local	0.111	mg/cm ²
	inhalative	Long term (chronic)	systemic	8.33	mg/m ³

PNEC values

No	Substance name			CAS / EC no	
	ecological compartment	Type		Value	
1	(R)-p-mentha-1,8-diene			5989-27-5 227-813-5	
	water	fresh water		0.0054	mg/L
	water	marine water		0.00054	µg/L
	water	fresh water sediment		1.32	mg/kg dry weight
	water	marine water sediment		0.13	mg/kg dry weight
	soil	-		0.262	mg/kg dry weight
	sewage treatment plant	-		1.8	mg/L
	secondary poisoning	-		3.33	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 A-P

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

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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

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		
Aerosol		
colourless		
Odour		
solvent-like		
pH value		
No data available		
Boiling point / boiling range		
Value	120	°C
Melting point/freezing point		
No data available		
Decomposition temperature		
No data available		
Flash point		
Value	32	°C
Method	closed cup	
Ignition temperature		
No data available		
Auto-ignition temperature		
Value	> 200	°C
Explosive properties		
The product does not have explosive properties.		
Flammability		
flammable		
Lower explosion limit		
Value	1.7	% vol
Upper explosion limit		
Value	11.5	% vol
Vapour pressure		
Value	13.3	hPa
Reference temperature	20	°C
Relative vapour density		
No data available		
Relative density		

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No data available	
Density	
Value	0.83 g/cm ³
Reference temperature	20 °C
Solubility in water	
Comments	soluble
Solubility	
No data available	
Partition coefficient n-octanol/water (log value)	
No data available	
Viscosity	
Value	< 5 mm ² /s
Type	kinematic
Particle characteristics	
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.

10.5 Incompatible materials

None known.

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	Substance name	CAS no.	EC no.
1	Hydrocarbons, C11-C12, isoalkanes, < 2% aromatics	-	918-167-1
LD50	>	5000	mg/kg bodyweight
Species	rat		
Method	OECD 401		
Source	ECHA		

Acute dermal toxicity			
No	Substance name	CAS no.	EC no.
1	Hydrocarbons, C11-C12, isoalkanes, < 2% aromatics	-	918-167-1
LD50	>	2000	mg/kg bodyweight
Species	rat		
Method	OECD 402		
Source	ECHA		

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Acute inhalational toxicity			
No data available			
Skin corrosion/irritation			
No	Substance name	CAS no.	EC no.
1	Hydrocarbons, C11-C12, isoalkanes, < 2% aromatics	-	918-167-1
Species		rabbit	
Method		OECD 404	
Source		ECHA	
Evaluation		non-irritant	
2	(R)-p-mentha-1,8-diene	5989-27-5	227-813-5
Duration of exposure		4	h
Method		OECD 404	
Source		ECHA	
Evaluation		non-irritant	
Evaluation/classification		Based on available data, the classification criteria are met.	
Serious eye damage/irritation			
No	Substance name	CAS no.	EC no.
1	Hydrocarbons, C11-C12, isoalkanes, < 2% aromatics	-	918-167-1
Species		rabbit	
Method		OECD 405	
Source		ECHA	
Evaluation		non-irritant	
2	(R)-p-mentha-1,8-diene	5989-27-5	227-813-5
Method		OECD 405	
Source		ECHA	
Evaluation		non-irritant	
Respiratory or skin sensitisation			
No	Substance name	CAS no.	EC no.
1	Hydrocarbons, C11-C12, isoalkanes, < 2% aromatics	-	918-167-1
Route of exposure		Skin	
Species		guinea pig	
Method		OECD 406	
Source		ECHA	
Evaluation		non-sensitizing	
2	(R)-p-mentha-1,8-diene	5989-27-5	227-813-5
Route of exposure		Skin	
Species		mouse	
Method		OECD 429	
Source		ECHA	
Evaluation		sensitizing	
Germ cell mutagenicity			
No	Substance name	CAS no.	EC no.
1	Hydrocarbons, C11-C12, isoalkanes, < 2% aromatics	-	918-167-1
Source		ECHA	
Evaluation/classification		Based on available data, the classification criteria are not met.	
2	(R)-p-mentha-1,8-diene	5989-27-5	227-813-5
Type of examination		Chromosome aberration test	
Species		Chinese Hamster Ovary (CHO-K1) cells	
Method		OECD 473	
Source		ECHA	
Reproduction toxicity			
No	Substance name	CAS no.	EC no.
1	Hydrocarbons, C11-C12, isoalkanes, < 2% aromatics	-	918-167-1
Source		ECHA	
Evaluation/classification		Based on available data, the classification criteria are not met.	
Carcinogenicity			
No	Substance name	CAS no.	EC no.

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1	Hydrocarbons, C11-C12, isoalkanes, < 2% aromatics -	918-167-1
Source	ECHA	
Evaluation/classification	Based on available data, the classification criteria are not met.	
2	(R)-p-mentha-1,8-diene	5989-27-5 227-813-5
Route of exposure	oral	
Duration of exposure	103	week/s
Species	rat	
Method	OECD 451	
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	(R)-p-mentha-1,8-diene	5989-27-5	227-813-5
Route of exposure	oral		
NOAEL	1650	mg/kg bw/d	
Species	mouse		
Method	OECD 407		
Source	ECHA		

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	Substance name	CAS no.	EC no.
1	(R)-p-mentha-1,8-diene	5989-27-5	227-813-5
LC50		0.72	mg/l
Duration of exposure		96	h
Species	Pimephales promelas		
Method	OECD 203		
Source	ECHA		

Toxicity to fish (chronic)

No data available

Toxicity to Daphnia (acute)			
No	Substance name	CAS no.	EC no.
1	(R)-p-mentha-1,8-diene	5989-27-5	227-813-5
EC50		0.36	mg/l
Duration of exposure		48	h
Species	Daphnia magna		
Method	OECD 202		
Source	ECHA		

Toxicity to Daphnia (chronic)

No data available

Toxicity to algae (acute)			
No data available			

Toxicity to algae (chronic)			
No data available			

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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

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.

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	2
Classification code	5F
UN number	UN1950
Proper shipping name	AEROSOLS
Tunnel restriction code	D
Label	2.1

14.2 Transport IMDG

Class	2
UN number	UN1950
Proper shipping name	AEROSOLS
EmS	F-D, S-U
Label	2.1

14.3 Transport ICAO-TI / IATA

Class	2.1
UN number	UN1950
Proper shipping name	Aerosols, flammable
Label	2.1

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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
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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:	P3a
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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)

H226	Flammable liquid and vapour.
H281	Contains refrigerated gas; may cause cryogenic burns or injury.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H413	May cause long lasting harmful effects to aquatic life.

Creation of the safety data sheet

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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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