

Safety Data Sheet

Trade name: KRONES colclean C 1201

Current version : 1.0.0, issued: 30.09.2022

Replaced version: -, issued: -

Region: USA

SECTION 1: Identification

1.1 Product identifier

Trade name

KRONES colclean C 1201

1.2 Recommended use of the chemical and restrictions on use

Recommended use of the chemical and restrictions on use

Fragrances

Detergents and cleaning agents (including solvent-based products)

Restrictions on use

No data available.

1.3 Details of the supplier of the safety data sheet

Address

KRONES INC.

9600 SOUTH 58TH STREET

PO BOX 321801

Franklin

WI 53132-6241

Telephone no. 001-414-409-4000

Fax no. 001-414-409-4140

e-mail sales@kronesusa.com

1.4 Emergency phone number

+1 866 928 0789 (Toll free)

SECTION 2: Hazard(s) identification

2.1 Classification of the chemical

Classification of the chemical in accordance with paragraph (d) of 29 CFR § 1910.1200 "Hazard Communication"

Aspiration Hazard - Category 1

Flammable Liquids - Category 3

Skin Corrosion / Irritation - Category 2

Skin sensitization - Category 1

Classification of the chemical with regard to hazards for the aquatic environment in accordance with the UN GHS criteria relevant for dangerous goods transport classification

Aquatic Chronic - Category 1

2.2 Label elements

Pictogram(s)



Signal word

Danger

Hazard Statement(s)

Physical hazards

Flammable liquid and vapor

Health hazards

May be fatal if swallowed and enters airways

Causes skin irritation

May cause an allergic skin reaction

Precautionary Statement(s)

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Prevention	Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Keep container tightly closed. Ground/bond container and receiving equipment Use explosion-proof electrical/ventilating/ lighting/equipment. Use non-sparking tools. Take precautionary measures against static discharge. Avoid breathing fume/ gas/ mist/ vapours/ spray. Wash thoroughly after handling. Contaminated work clothing must not be allowed out of the workplace.
Response	Wear protective gloves/protective clothing/eye protection/face protection. If swallowed: Immediately call a poison center/doctor- If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. Specific treatment (see first aid instruction on this label). Do NOT induce vomiting. If skin irritation occurs: Get medical advice/attention. If skin irritation or rash occurs: Get medical advice/attention. Take off contaminated clothing and wash it before reuse. Wash contaminated clothing before reuse. In case of fire: Use carbon dioxide (CO ₂), alcohol resistant foam, extinguishing powder,water mist to extinguish.
Storage	Store in a well-ventilated place. Keep cool.
Disposal	Store locked up. Dispose of contents/container in accordance with local/regional/national/international regulations

2.3 Labelling information

No data available

2.4 Hazards not otherwise classified (HNOC)

No data available

SECTION 3: Composition / information on ingredients

3.1 Substances

Chemical characterization

Substance name orange, sweet, ext.

Identification number(s)

CAS no. 8028-48-6

3.2 Mixtures

Not applicable. The product is not a mixture.

SECTION 4: First-aid measures

4.1 Description of necessary 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. In case of allergic symptoms, especially respiratory tract related, seek medical help immediately.

After inhalation

Remove affected persons from dangerous area by observing suitable respiratory protection measures. Ensure supply of fresh air. If unconscious place in recovery position and seek medical advice. If breathing is irregular or stopped, administer artificial respiration.

After skin contact

In case of contact with skin wash off immediately with soap and water. 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).

After ingestion

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Rinse mouth thoroughly with water. Never give anything by mouth to an unconscious person. Do not induce vomiting - aspiration hazard. Call a doctor immediately. In case of vomiting keep head of person in face-down position to prevent penetration of vomitus into the trachea.

4.2 Most important symptoms and effects, both acute and delayed

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

Because of the risk of aspiration, gastric lavage should only be performed under endotracheal intubation. Restore oily film of skin to prevent dermatitis (skin inflammation). Symptomatic treatment.

SECTION 5: Fire-fighting measures

5.1 Extinguishing media

Suitable extinguishing media

Water spray jet; Carbon dioxide; Extinguishing powder; Fight large fires with directed water spray or Alcohol-resistant foam

Unsuitable extinguishing media

Full water jet

5.2 Specific hazards arising from the chemical

In the event of fire, the following can be released: organic materials; Formation of explosive mixtures with air is possible. Carbon monoxide (CO); Vapours are heavier than air and may spread along floors. Re-ignition possible at great distance.

5.3 Special protective equipment and precautions for fire-fighters

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. Run-off water from fire fighting must not be discharged into drains or enter surface water.

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. Wear appropriate protective gears to avoid breathing vapor and contact with skin, eyes or clothing.

For emergency responders

Personal protective equipment (PPE) - see Section 8.

6.2 Methods and materials for containment and cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in suitable container for disposal.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Precautions for safe handling

Risks inherent to handling the product must be minimised by applying 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.

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

Keep away from ignition sources and provide for good ventilation. 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.

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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 direct sunlight.

Requirements for storage rooms and vessels

Containers which are opened must be carefully resealed and kept upright to prevent leakage. Always keep in containers of same material as the original.

Incompatible products

Substances to be avoided: see chapter 10.

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 PEL (=Permissible Exposure Limit), suitable respiratory protection must be worn.

Individual protection measures, such as 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

Filter A DIN EN 141

Eye / face protection

Safety glasses with side protection shield

Hand protection

Sufficient protection is given wearing suitable protective gloves in the event of risk of skin contact with the product. Before use, the protective glove 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

NBR

Material thickness

>=

0.4

mm

Breakthrough time

>=

480

min

Appropriate Material

butyl rubber

Material thickness

>=

0.7

mm

Breakthrough time

>=

480

min

Other protection measures

Chemical-resistant work clothes. Protective shoes.

SECTION 9: Physical and chemical properties

Form/Color

liquid

colourless to light yellow

Odor

characteristic

Odor threshold

No data available

pH value

Not applicable

Boiling point / boiling range

Value

175 - 178 °C

Source

Manufacturer

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Melting point / melting range

No data available

Decomposition point / decomposition range

No data available

Flash point

Value	50	°C
Source	Manufacturer	

Ignition temperature

Value	appr. 255	°C
Source	Manufacturer	

Auto-ignition temperature

No data available

Oxidising properties

No data available

Explosive properties

This product is not explosive. Formation of explosive / highly flammable vapour-air mixtures is possible through use.

Flammability

No data available

Lower flammability or explosive limits

Value	0.7	% vol
Source	Manufacturer	

Upper flammability or explosive limits

Value	6.1	% vol
Source	Manufacturer	

Vapor pressure

Value	2.1	hPa
Reference temperature	20	°C
Source	Manufacturer	

Vapor density

No data available

Evaporation rate

No data available

Relative density

No data available

Density

Value	0.83 - 0.85	g/cm ³
Reference temperature	20	°C
Source	Manufacturer	

Solubility in water

Source	Manufacturer
Remarks	Not miscible or difficult to mix

Solubility(ies)

No data available

Partition coefficient: n-octanol/water

No	Substance name	CAS no.	EC no.
1	orange, sweet, ext.	8028-48-6	
	log Pow	2.78	- 4.88
	Method	QSAR	
	Source	ECHA	

Viscosity

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Value	1.17	mm ² /s
Reference temperature	40	°C
Type	kinematic	
Source	Manufacturer	

Other information

Other information
No data available.

SECTION 10: Stability and reactivity

10.1 Reactivity

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

10.2 Chemical stability

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

10.3 Possibility of hazardous reactions

Risk of formation of explosive gas mixtures in air.

10.4 Conditions to avoid

Heat, open flames and other sources of ignition.

10.5 Incompatible materials

strong oxidising agents

10.6 Hazardous decomposition products

None, if handled according to intended use. In case of fire hazardous decomposition products may produce: carbon monoxide or carbon dioxide.

SECTION 11: Toxicological information

Information on toxicological effects

Acute oral toxicity			
No	Substance name	CAS no.	
1	orange, sweet, ext.	8028-48-6	
LD50	>	5000	mg/kg bodyweight
Species	rat		
Method	OECD 401		
Source	ECHA		

Acute dermal toxicity			
No	Substance name	CAS no.	
1	orange, sweet, ext.	8028-48-6	
LD50	>	5000	mg/kg bodyweight
Species	rabbit		
Method	OECD 402		
Source	ECHA		

Acute inhalational toxicity	
No data available	

Skin corrosion/irritation	
No data available	

Serious eye damage/irritation		
No	Substance name	CAS no.
1	orange, sweet, ext.	8028-48-6
Species	rabbit	
Method	OECD 405	
Source	ECHA	
Evaluation	non-irritant	

Respiratory or skin sensitisation	
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No	Substance name	CAS no.
1	orange, sweet, ext.	8028-48-6
Route of exposure		Skin
Species		mouse
Method		OECD 429
Source		ECHA
Evaluation		sensitizing

Germ cell mutagenicity

No data available

Reproduction toxicity

No data available

Carcinogenicity

No	Substance name	CAS no.
1	orange, sweet, ext.	8028-48-6
Method		OECD 451
Source		ECHA
Evaluation/classification		Based on available data, the classification criteria are not met.

NTP Report on Carcinogens (RoC)

The substance is not listed "known" (to be a human carcinogen) or "RAHC" (reasonably anticipated to be a human carcinogen).

OSHA Standards listing cancer as a health effect (Table VII.6.2)

The substance is not considered being a "carcinogen".

IARC Monographs on the Evaluation of Carcinogenic Risks to Humans

The substance is not classified by the IARC Monographs.

STOT - single exposure

No data available

STOT - repeated exposure

No data available

Aspiration hazard

May be fatal if swallowed and enters airways.

SECTION 12: Ecological information

12.1 Toxicity

Toxicity to fish (acute)			
No	Substance name	CAS no.	
1	orange, sweet, ext.	8028-48-6	
LC50		5.65	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	Substance name	CAS no.	
1	orange, sweet, ext.	8028-48-6	
EC50		1.1	mg/l
Duration of exposure		48	h
Species		Daphnia magna	
Method		OECD 202	
Source		ECHA	

Toxicity to Daphnia (chronic)

No data available

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Toxicity to algae (acute)			
No	Substance name	CAS no.	
1	orange, sweet, ext.	8028-48-6	
ErC50		150	mg/l
Duration of exposure		72	h
Species	Desmodesmus subspicatus		
Method	OECD 201		
Source	ECHA		

Toxicity to algae (chronic)			
No data available			

12.2 Persistence and degradability

Biodegradability		
No	Substance name	CAS no.
1	orange, sweet, ext.	8028-48-6
Source		ECHA
Evaluation		readily biodegradable

12.3 Bioaccumulative potential

Bioconcentration factor (BCF)			
No	Substance name	CAS no.	
1	orange, sweet, ext.	8028-48-6	
BCF		32	- 156
Source	ECHA		

Partition coefficient: n-octanol/water			
No	Substance name	CAS no.	
1	orange, sweet, ext.	8028-48-6	
log Pow		2.78	- 4.88
Method	QSAR		
Source	ECHA		

12.4 Mobility in soil

No data available.

12.5 Other adverse effects

No data available.

12.6 Other information

Other information	
Do not discharge product unmonitored into the environment.	
Do not discharge into drains or waters and do not dispose of in public landfills.	

SECTION 13: Disposal considerations

13.1 Disposal considerations

Product

Dispose in accordance with federal, state and local regulations.

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 accordance with federal, state and local regulations.

SECTION 14: Transport information

14.1 US DOT (Department of Transportation)

Transport hazard class	3
Packaging group	III
UN/NA number	UN2319
UN proper shipping name	Terpene hydrocarbons, n.o.s.
Label code(s)	3

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Danger releasing substance Orange, sweet, ext.

14.2 Transport IMDG

Class	3
Packaging group	III
UN number	UN2319
Proper shipping name	TERPENE HYDROCARBONS, N.O.S.
Danger releasing substance	Orange, sweet, ext.
EmS	F-E, S-D
Label	3
Marine pollutant mark	Symbol "fish and tree"

14.3 Transport ICAO-TI / IATA

Class	3
Packaging group	III
UN number	UN2319
Proper shipping name	Terpene hydrocarbons, n.o.s.
Danger releasing substance	Orange, sweet, ext.
Label	3

14.4 Other information

No data available.

14.5 Environmental hazards

Information on environmental hazards, if relevant, pls. 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 73/78 and the IBC Code

Not relevant

SECTION 15: Regulatory information

15.1 US Federal Regulations

Toxic Substances Control Act (TSCA)

According to the data available and/or specifications supplied by upstream suppliers, all components of this product are on the TSCA Inventory or are exempted from notification requirements.

CERCLA (Comprehensive Environmental Response, Compensation and Liability Act)

The substance is not subject to Table 302.4 "List of Hazardous Substances and Reportable Quantities".

Clean Air Act (CAA): Hazardous Air Pollutants (HAPS)

The substance is not a "Hazardous Air Pollutant".

Clean Water Act (CWA) Section 307 (Toxic Pollutants) and Section 311 (Hazardous Substances)

The substance is not a "Hazardous Substance".

EPCRA SARA Section 313, Toxic Chemical Release Inventory

The substance is not subject to "SARA Reporting".

Emergency Planning & Community Right-to-Know Act (EPCRA) - Sections 302 and 304

The substance is not subject to reporting requirements.

Clean Air Act (CAA) - Section 602 Ozone depleting substances

The substance is not considered being a ozone depleting substance.

15.2 US State Regulations

Pennsylvania State Right to Know Hazardous Substance List

The substance is not a "Hazardous Substance".

New Jersey State Right to Know Hazardous Substance List

The substance is not a "Hazardous Substance".

Massachusetts State Right to Know Hazardous Substance List

The substance is not a "Hazardous Substance".

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California Code of Regulations Title 8 §339, Hazardous Substances List

The substance is not a "Hazardous Substance".

Right to Know - California State - Proposition 65

The substance is not a "Hazardous Substance".

SECTION 16: Other information, including date of preparation or last revision

16.1 Other information

No data available.

16.2 Date of preparation/revision of the SDS

Current version 1.0.0 30.09.2022

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16.3 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

16.4 Conclusions

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 787976

16.5 Key / Legend

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ACGIH - American Conference of Governmental Industrial Hygienists
ATE – Acute Toxicity Estimate
BOD - Biochemical Oxygen Demand
CA/MA/MN/NJ/PA - California/Massachusetts/Minnesota/New Jersey/Pennsylvania
CAS - Chemical Abstracts Service
CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act
CFR - Code of Federal Regulations (US)
CLP - Classification, Labelling, and Packaging
DOT - Department of Transportation Commission
ECHA – European Chemicals Agency
EC / EL – Effective Concentration / Effective Loading
EPA - Environmental Protection Agency
IARC - International Agency for Research on Cancer
IATA - International Air Transport Association
IBC – Intermediate Bulk Container
ICAO - International Civil Aviation Organization
IDL - Ingredient Disclosure List
IDLH - Immediately Dangerous to Life and Health
IMDG - International Maritime Dangerous Goods
IUCLID - International Uniform Chemical Information Database
Kow - Octanol/water partition coefficient
LD/LC - Lethal Dose/ Lethal Concentration
MARPOL – Marine Pollution
MEL - Maximum Exposure Limits
NFPA - National Fire Protection Agency
NIOSH - National Institute for Occupational Safety and Health
NJTSR - New Jersey Trade Secret Registry
NOEL/NOEC – No Observed Effect Level / No Observed Effect Concentration
NTP - National Toxicology Program
OSHA - Occupational Safety and Health Administration
PEL- Permissible Exposure Limit
RCRA - Resource Conservation and Recovery Act
SARA - Superfund Amendments and Reauthorization Act
STEL - Short-term Exposure Limit
STOT – Specific Target Organ Toxicity
TDG - Transportation of Dangerous Goods
TLV - Threshold Limit Value
TSCA - Toxic Substances Control Act
TWA - Time Weighted Average
UN/NA - United Nations /North American
US - United States
VLE - Exposure Limit Value (Mexico)
VOC – Volatile Organic Compounds