

KRONES colclean CD 2010

Safety Data Sheet

According to the United Nations GHS (Rev. 8, 2019)

Issue date:17/08/2020

Revision date: 17/08/2020

Version: 1.0

SECTION 1: Identification

1.1. GHS Product identifier

Product form : Mixture
Trade name : KRONES colclean CD 2010

1.2. Other means of identification

Other means of identification : No information available

1.3. Recommended use of the chemical and restrictions on use

Recommended use : Cleaning agent
Restrictions on use : No information available

1.4. Supplier's details

Supplier

KIC KRONES Internationale Cooperationsgesellschaft mbH
Böhmerwaldstraße 5
93073 Neutraubling
Germany
T +49-940170-3020
F +49-940170-3696
kic@kic-krones.com

Importer

KRONES LCS Center West Africa Ltd.
Acme Road, Ogba Industrial Scheme, Plot 7A, Block C
100211 Ikeja - Lagos
Nigeria
T +234 1 463 11 30
helmut.rumm@krones.com.ng

1.5. Emergency phone number

Emergency number : +44 1235 239671 (NCEC, National Chemical Emergency Centre)

SECTION 2: Hazard identification

2.1. Classification of the substance or mixture

Classification according to the United Nations GHS

Not classified

Adverse physicochemical, human health and environmental effects : To our knowledge, this product does not present any particular risk, provided it is handled in accordance with good occupational hygiene and safety practice

2.2. GHS Label elements, including precautionary statements

Labelling according to the United Nations GHS

Hazard pictograms (GHS UN) : None
Signal word (GHS UN) : None
Hazard statements (GHS UN) : None
Precautionary statements (GHS UN) : None

2.3. Other hazards which do not result in classification

Other hazards not contributing to the classification : No information available

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%
Ethyl alcohol	(CAS-No.) 64-17-5	>= 10.00 - < 25.00
1-Butoxy-2-propanol	(CAS-No.) 5131-66-8	>= 2.50 - < 5.00

SECTION 4: First-aid measures

4.1. Description of necessary first-aid measures

First-aid measures general : In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing. If experiencing respiratory symptoms: Call a poison center or a doctor.
First-aid measures after skin contact : Wash immediately with plenty of soap and water. If skin irritation or rash occurs: Get medical advice/attention.

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First-aid measures after eye contact : Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

First-aid measures after ingestion : Do NOT induce vomiting. Rinse mouth out with water. Never give anything by mouth to an unconscious person. Call a poison center or a doctor if you feel unwell.

4.2. Most important symptoms/effects, acute and delayed

Most Important Symptoms/Effects : No information available.

4.3. Indication of immediate medical attention and special treatment needed, if necessary

Treat symptomatically.

SECTION 5: Fire-fighting measures

5.1. Suitable extinguishing media

Suitable extinguishing media : Carbon dioxide, water spray, alcohol resistant foam, extinguishing powder.

Unsuitable extinguishing media : High volume water jet.

5.2. Specific hazards arising from the chemical

Fire hazard : No data available.

Reactivity in case of fire : Product is not explosive.

Hazardous decomposition products in case of fire : Toxic fumes may be released: carbon monoxide, carbon dioxide

5.3. Special protective actions for fire-fighters

Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Protective equipment : Wear recommended personal protective equipment.

Emergency procedures : Remove all sources of ignition. Take precautionary measures against static discharges. Ensure adequate ventilation, especially in confined areas. Do not breathe gas/fumes/vapour/spray. Do not eat, drink or smoke during use. Wash contaminated clothing before reuse. Wash thoroughly after handling.

6.1.2. For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

6.2. Environmental precautions

Avoid release to the environment. Do not allow into drains or water courses. Advise local authorities if considered necessary.

6.3. Methods and materials for containment and cleaning up

For containment : Collect spillage.

Methods for cleaning up : Take up liquid spill into absorbent material. Absorb remaining liquid with sand or inert absorbent and remove to safe place.

Other information : Dispose of materials or solid residues at an authorized site.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Take precautionary measures against static discharges. Ensure good ventilation of the work station. Wear personal protective equipment. Avoid contact with skin and eyes. Do not breathe gas/fumes/vapour/spray.

Hygiene measures : Keep away from food, drink and animal feeding stuffs. Do not eat, drink or smoke when using this product. Wash contaminated clothing before reuse. Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Keep only in original container. Keep container tightly closed. Containers which are opened should be properly resealed and kept upright to prevent leakage.

Storage area : Store in a well-ventilated place. Keep cool. Protect from heat and direct sunlight.

Storage temperature : No information available.

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SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Ethyl alcohol (64-17-5)

India - Occupational Exposure Limits

PEL TWA (mg/m ³)	1900 mg/m ³
PEL TWA (ppm)	1000 ppm

USA - ACGIH - Occupational Exposure Limits

ACGIH STEL (ppm)	1000 ppm
ACGIH chemical category	Confirmed Animal Carcinogen with Unknown Relevance to Humans

8.2. Appropriate engineering controls

Appropriate engineering controls : Keep away from open flames, hot surfaces and sources of ignition. Ensure good ventilation of the work station.

Environmental exposure controls : Avoid release to the environment.

8.3. Individual protection measures, such as personal protective equipment (PPE)

Hand protection : Protective gloves (EN 374)
Appropriate Material: nitrile.

Eye protection : Safety glasses with side shields (EN 166).

Skin and body protection : Use chemically protective clothing.

Respiratory protection : In case of insufficient ventilation, wear suitable respiratory equipment.

Thermal hazard protection : No information available.

8.4. Exposure limit values for the other components

No additional information available

SECTION 9: Physical and chemical properties

9.1. Basic physical and chemical properties

Physical state : Liquid

Appearance : Liquid

Colour : Yellow.

Odour : Citrus.

Odour threshold : Not available

Melting point : Not available

Freezing point : Not available

Boiling point : > 90 °C

Flammability (solid, gas) : Non flammable

Explosive limits : Not available

Lower explosive limit (LEL) : 3.5 % vol (Ethyl alcohol)

Upper explosive limit (UEL) : 15 % vol (Ethyl alcohol)

Flash point : 32 °C (DIN 51755)

Auto-ignition temperature : Not available

Decomposition temperature : Not available

pH : 7.4

pH solution : Not available

Viscosity, kinematic (calculated value) (40 °C) : Not available

Partition coefficient n-octanol/water (Log Kow) : Ethyl alcohol (64-17-5): -0.35 (20 °C, pH = 7.4, OECD 107, ECHA)
1-Butoxy-2-propanol (5131-66-8): 1.1 (20 °C, pH = 7, ECHA)

Vapour pressure : Not available

Vapour pressure at 50 °C : Not available

Density : 0.981 g/cm³

Relative density : Not available

Relative vapour density at 20 °C : Not available

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Solubility	: Easily soluble in water.
Explosive properties	: No data available
Oxidising properties	: No data available

9.2. Data relevant with regard to physical hazard classes (supplemental)

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

Heat, flames, sparks. High temperature. Incompatible materials.

10.5. Incompatible materials

Strong oxidizing agents.

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral)	: Not classified
Acute toxicity (dermal)	: Not classified
Acute toxicity (inhalation)	: Not classified

Ethyl alcohol (64-17-5)

LD50 oral rat	7060 mg/kg
LD50 oral rat	10470 mg/kg (95%, OECD 401, ECHA)
LC50 inhalation rat (Vapour)	124.7 mg/L/4h (OECD 403, ECHA)

1-Butoxy-2-propanol (5131-66-8)

LD50 oral rat	1900 mg/kg
LD50 oral rat	3300 mg/kg (OECD 401, ECHA)
LD50 dermal rat	> 2000 mg/kg (ECHA)

Skin corrosion/irritation	: Not classified pH: 7.4 Ethyl alcohol: non-irritant (rabbit, OECD 404, ECHA) 1-Butoxy-2-propanol: irritant (rabbit, OECD 404, ECHA)
Serious eye damage/irritation	: Not classified pH: 7.4 Ethyl alcohol: irritant (rabbit, OECD 405, ECHA)
Respiratory or skin sensitisation	: Not classified Ethyl alcohol: non-sensitizing (Skin, mouse, ECHA) 1-Butoxy-2-propanol: non-sensitizing (Skin, guinea pig, OECD 406, ECHA)
Germ cell mutagenicity	: Not classified Ethyl alcohol: Based on available data, the classification criteria are not met (ECHA)
Carcinogenicity	: Not classified Ethyl alcohol: Based on available data, the classification criteria are not met (ECHA)
Reproductive toxicity	: Not classified Ethyl alcohol: Based on available data, the classification criteria are not met (oral, 2 generation study, mouse, OECD 416, ECHA); Based on available data, the classification criteria are not met (inhalational, Prenatal Developmental Toxicity Study, rat, OECD 414)
STOT-single exposure	: Not classified

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STOT-repeated exposure	: Not classified
	Ethyl alcohol: Based on available data, the classification criteria are not met (oral, 14 week/s, rat, kidneys, OECD 408, ECHA)
Aspiration hazard	: Not classified

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general	: The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.
Hazardous to the aquatic environment, short-term (acute)	: Not classified
Hazardous to the aquatic environment, long-term (chronic)	: Not classified

Ethyl alcohol (64-17-5)

LC50 fish 1	12.0 - 16.0 mL/L/96 h (Oncorhynchus mykiss)
LC50 fish 2	> 100 mg/L/96 h (Pimephales promelas)
LC50 fish 3	14200 mg/L/96 h (Pimephales promelas, EPA, ECHA)
EC50 Daphnia 1	9268 - 14221 mg/L/48 h (Daphnia magna)
EC50 Daphnia 2	2 mg/L/48 h (Daphnia magna)
EC50 Daphnia 3	5012 mg/L/48 h (Ceriodaphnia dubia, ASTM Standard E 729-80, ECHA)
NOEC Daphnia 1	9.6 mg/L/9 d (Daphnia magna, ECHA)
EC50 algae 1	275 mg/L/72 h (Chlorella vulgaris, OECD 201, ECHA)

1-Butoxy-2-propanol (5131-66-8)

LC50 fish 1	560 - 1000 mg/L/96 h (Poecilia reticulata, OECD 203, ECHA)
EC50 Daphnia 1	> 1000 mg/L/48 h (Daphnia magna, OECD 202, ECHA)

12.2. Persistence and degradability

Ethyl alcohol (64-17-5)

Persistence and degradability	Readily biodegradable.
Biodegradation	Ca. 84 % (20 d, OECD, ECHA)

1-Butoxy-2-propanol (5131-66-8)

Persistence and degradability	Readily biodegradable.
Biodegradation	90 % (28 d, OECD 301 E, ECHA)

12.3. Bioaccumulative potential

Ethyl alcohol (64-17-5)

Partition coefficient n-octanol/water (Log Kow)	-0.35 (20 °C, pH = 7.4, OECD 107, ECHA)
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1-Butoxy-2-propanol (5131-66-8)

Partition coefficient n-octanol/water (Log Kow)	1.1 (20 °C, pH = 7, ECHA)
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12.4. Mobility in soil

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Mobility in soil	No information available.
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12.5. Other adverse effects

Ozone	: Not classified
Other adverse effects	: No additional information available

SECTION 13: Disposal considerations

13.1. Disposal methods

Waste treatment methods	: Dispose of contents/container in accordance with licensed collector's sorting instructions.
Product/Packaging disposal recommendations	: Dispose of contents/container in accordance with licensed collector's sorting instructions.

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SECTION 14: Transport information

In accordance with IMDG / IATA / UN RTDG

UN RTDG	IMDG	IATA
14.1. UN number		
Not regulated for transport		
14.2. UN Proper Shipping Name		
Not applicable	Not applicable	Not applicable
14.3. Transport hazard class(es)		
Not applicable	Not applicable	Not applicable
14.4. Packing group		
Not applicable	Not applicable	Not applicable
14.5. Environmental hazards		
Dangerous for the environment : No	Dangerous for the environment : No Marine pollutant : No	Dangerous for the environment : No
No supplementary information available		

14.6. Special precautions for user

- UN RTDG

No data available

- IMDG

No data available

- IATA

No data available

14.7. Transport in bulk according to IMO instruments

Not applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations specific for the product in question

Ethyl alcohol (64-17-5)

Listed on the United States TSCA (Toxic Substances Control Act) inventory
Listed on the Canadian DSL (Domestic Substances List)
Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)
Listed on IARC (International Agency for Research on Cancer)
Listed on the AICS (Australian Inventory of Chemical Substances)
Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)
Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory
Listed on the Japanese ISHL (Industrial Safety and Health Law)
Listed on KECL/KECI (Korean Existing Chemicals Inventory)
Listed on NZIoC (New Zealand Inventory of Chemicals)
Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)
Listed on INSQ (Mexican National Inventory of Chemical Substances)
Listed on the TCSI (Taiwan Chemical Substance Inventory)

1-Butoxy-2-propanol (5131-66-8)

Listed on the United States TSCA (Toxic Substances Control Act) inventory
Listed on the Canadian DSL (Domestic Substances List)
Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)
Listed on the AICS (Australian Inventory of Chemical Substances)
Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)
Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory
Listed on the Japanese ISHL (Industrial Safety and Health Law)
Listed on KECL/KECI (Korean Existing Chemicals Inventory)
Listed on NZIoC (New Zealand Inventory of Chemicals)
Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)
Listed on INSQ (Mexican National Inventory of Chemical Substances)
Listed on the TCSI (Taiwan Chemical Substance Inventory)

SECTION 16: Other information

Issue date : 17/08/2020

Revision date : 17/08/2020

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Indication of changes:

No information available.

Abbreviations and acronyms	: ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways ADR - European Agreement concerning the International Carriage of Dangerous Goods by Road EC50 - Median effective concentration IATA - International Air Transport Association IMDG - International Maritime Dangerous Goods LC50 - Median lethal concentration LD50 - Median lethal dose RID - Regulations concerning the International Carriage of Dangerous Goods by Rail SDS - Safety Data Sheet
Data sources	: ECHA reference. LOLI.
Training advice	: Normal use of this product shall imply use in accordance with the instructions on the packaging.
Other information	: No information available.

Full text of H-statements:

No information available.

SDS UN

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.