

**SECTION 1: Identification of the substance/mixture and of the company/undertaking**
**1.1 Product identifier**

**KRONES colclean CG 3015**  
**Article number: 0904843009, 0904845009, 0904845079**

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

Conveyor lubricant

**1.2.2 Uses advised against**

None known.

**1.3 Details of the supplier of the safety data sheet**

**Company** KIC KRONES Internationale Cooperationsgesellschaft mbH  
 Böhmerwaldstraße 5  
 93073 Neutraubling / GERMANY  
 Phone +49 9401 70-3020  
 Fax +49 9401 70-3696  
 Homepage www.kic-krones.com  
 E-mail kic@kic-krones.com

**Address enquiries to**

**Technical information** kic@kic-krones.com

**Safety Data Sheet** sdb@chemiebuerro.de

**1.4 Emergency telephone number**

**Advisory body** +49 (0)89-19240 (24h) (english)

**SECTION 2: Hazards identification**
**2.1 Classification of the substance or mixture**

Flam. Liq. 3: H226 Flammable liquid and vapour.  
 Skin Irrit. 2: H315 Causes skin irritation.  
 Eye Dam. 1: H318 Causes serious eye damage.

**2.2 Label elements**

The product is required to be labelled in accordance with regulation (EC) No 1272/2008 (CLP).

**Hazard pictograms**

**Signal word**

DANGER

**Contains:**

Neutralization product from (Z)-N-9-octadecenylpropane-1,3-diamine with formic acid

**Hazard statements**

H226 Flammable liquid and vapour.  
 H315 Causes skin irritation.  
 H318 Causes serious eye damage.

**Precautionary statements**

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
 P280 Wear protective gloves / 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.  
 P403+P235 Store in a well-ventilated place. Keep cool.  
 P501 Dispose of contents/container in accordance with local/national regulation.

**2.3 Other hazards**
**Human health dangers**

If swallowed or in the event of vomiting, risk of product entering the lungs.

**Other hazards**

Further hazards were not determined with the current level of knowledge.

### SECTION 3: Composition / Information on ingredients

#### Product-type:

The product is a mixture.

Range [%]	Substance
20 - 25	Neutralization product from (Z)-N-9-octadecenylpropane-1,3-diamine with formic acid *) CAS: 7173-62-8 / 64-18-6, EINECS/ELINCS: 230-528-9 / 200-579-1 GHS/CLP: Skin Irrit. 2: H315 - Eye Dam. 1: H318 - Aquatic Acute 1: H400
10 - < 15	Propan-2-ol CAS: 67-63-0, EINECS/ELINCS: 200-661-7, EU-INDEX: 603-117-00-0 GHS/CLP: Flam. Liq. 2: H225 - Eye Irrit. 2: H319 - STOT SE 3: H336
5 - < 10	Alcohols, C16-18, ethoxylated CAS: 68439-49-6, EINECS/ELINCS: 500-212-8 GHS/CLP: Eye Irrit. 2: H319
1 - < 3	Alkylethercarbonic acid EINECS/ELINCS: Polymer GHS/CLP: Skin Irrit. 2: H315 - Eye Dam. 1: H318

#### Comment on component parts

\*) This substance is a completely dissociated ion mixture according to Annex V REACH. Substances of Very High Concern - SVHC: substances are not contained or are below 0.1%. All chemical substances in this material are included on or exempted from listing on the TSCA Inventory.  
For full text of H-statements: see SECTION 16.

### SECTION 4: First aid measures

#### 4.1 Description of first aid measures

##### General information

Take off contaminated clothing and wash before reuse.

##### Inhalation

Ensure supply of fresh air.  
Remove the victim into fresh air and keep him calm.  
Get medical advice.

##### Skin contact

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

##### Eye contact

Consult a doctor immediately.  
Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
Shield unaffected eye.

##### Ingestion

Do not induce vomiting.  
Rinse out mouth and give plenty of water to drink.  
Consult a doctor immediately.

#### 4.2 Most important symptoms and effects, both acute and delayed

No information available.

#### 4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically.  
If swallowed or in the event of vomiting, risk of product entering the lungs.

### SECTION 5: Fire-fighting measures

#### 5.1 Extinguishing media

Suitable extinguishing media foam, dry powder, water spray jet, carbon dioxide

Extinguishing media that must not be used Full water jet

#### 5.2 Special hazards arising from the substance or mixture

Risk of formation of toxic pyrolysis products.

### 5.3 Advice for firefighters

Do not inhale explosion and/or combustion gases.

Use self-contained breathing apparatus.

Cool containers at risk with water spray jet.

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

Keep away from all sources of ignition.

Ensure adequate ventilation.

Wear suitable protective equipment. For personal protection see SECTION 8.

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

### 6.2 Environmental precautions

Do not discharge into the drains/surface waters/groundwater.

In case the product spills into drains/surface waters/groundwater, immediately inform the authorities.

### 6.3 Methods and material for containment and cleaning up

Pick up with absorbent material (e.g. sand, sawdust, universal absorbent, diatomaceous earth).

Dispose of absorbed material in accordance with the regulations.

### 6.4 Reference to other sections

See SECTION 8+13

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

Use only in well-ventilated areas.

Avoid contact with eyes and skin. Use personal protective equipment.

Avoid spilling or spraying in enclosed areas.

Keep away from open flames, hot surfaces and sources of ignition.

Ground/bond container and receiving equipment.

Use explosion-proofed equipment/fittings and non-sparking tools.

Vapours can form an explosive mixture with air.

Ignitable mixtures can be formed in the empty container.

Do not eat, drink or smoke when using this product.

Take off contaminated clothing and wash before reuse.

Wash hands before breaks and after work.

Use barrier skin cream.

### 7.2 Conditions for safe storage, including any incompatibilities

Keep only in original container.

Prevent penetration into the ground.

Do not store together with oxidizing agents.

Keep container tightly closed.

Keep container in a well-ventilated place.

Keep in a cool place. Store in a dry place.

Protect from heat/overheating and from sun.

### 7.3 Specific end use(s)

See product use, SECTION 1.2

## SECTION 8: Exposure controls / personal protection

### 8.1 Control parameters

#### Ingredients with occupational exposure limits to be monitored (GB)

Substance
Propan-2-ol
CAS: 67-63-0, EINECS/ELINCS: 200-661-7, EU-INDEX: 603-117-00-0
Long-term exposure: 400 ppm, 999 mg/m <sup>3</sup>
Short-term exposure (15-minute): 500 ppm, 1250 mg/m <sup>3</sup>

### 8.2 Exposure controls

<b>Additional advice on system design</b>	Ensure adequate ventilation on workstation. Measurement methods for taking workplace measurements must meet the performance requirements of DIN EN 482. For example, recommendations are given in the IFA's list of hazardous substances.
<b>Eye protection</b>	Tightly fitting goggles. (EN 166:2001)
<b>Hand protection</b>	The details concerned are recommendations. Please contact the glove supplier for further information. > 0,11 mm, Nitrile rubber, >480 min (EN 374-1/-2/-3). > 0,11 mm, Butyl rubber, >480 min (EN 374-1/-2/-3).
<b>Skin protection</b>	Protective clothing.
<b>Other</b>	Avoid contact with eyes and skin. Do not breathe vapour/spray. Personal protective equipment should be selected specifically for the working place, depending on concentration and quantity handled. The resistance of this equipment to chemicals should be ascertained with the respective supplier.
<b>Respiratory protection</b>	Not required under normal conditions. If ventilation is insufficient, wear respiratory protection. Multi-purpose filter ABEK. (DIN EN 14387)
<b>Thermal hazards</b>	not applicable
<b>Delimitation and monitoring of the environmental exposition</b>	Comply with applicable environmental regulations limiting discharge to air, water and soil.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

Form	liquid
Color	yellow
Odor	characteristic
Odour threshold	No information available.
pH-value	4 - 5
pH-value [1%]	No information available.
Boiling point [°C]	100
Flash point [°C]	37,5
Flammability (solid, gas) [°C]	not applicable
Lower explosion limit	2,6 Vol.%
Upper explosion limit	12,6 Vol.%
Oxidising properties	no
Vapour pressure/gas pressure [kPa]	2,3
Density [g/ml]	0,988 (20°C)
Bulk density [kg/m <sup>3</sup> ]	not applicable
Solubility in water	completely miscible
Partition coefficient [n-octanol/water]	No information available.
Viscosity	No information available.
Relative vapour density determined in air	No information available.
Evaporation speed	No information available.
Melting point [°C]	No information available.
Autoignition temperature [°C]	No information available.
Decomposition temperature [°C]	No information available.

### 9.2 Other information

none

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

No dangerous reactions known if used as directed.

Evolution of flammable mixtures possible in air when heated above flash point and/or during spraying or misting.

### 10.2 Chemical stability

Stable under recommended storage conditions.

### 10.3 Possibility of hazardous reactions

No hazardous reactions known.

### 10.4 Conditions to avoid

Keep away from open flames, hot surfaces and sources of ignition.

### 10.5 Incompatible materials

See SECTION 10.3.

### 10.6 Hazardous decomposition products

No dangerous reactions known if used as directed.

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

#### Acute toxicity

Substance
Alkylethercarbonic acid
LD50, oral, Rat: > 2000 mg/kg.
Alcohols, C16-18, ethoxylated, CAS: 68439-49-6
LD50, oral, Rat: > 5000 mg/kg (BASF-Test).
Propan-2-ol, CAS: 67-63-0
LD50, dermal, Rabbit: 13400 mg/kg.
LD50, oral, Rat: 4570 mg/kg.
LC50, inhalative, Rat: 30 mg/l 4h.

<b>Serious eye damage/irritation</b>	Risk of serious damage to eyes. Calculation method
<b>Skin corrosion/irritation</b>	Irritant Calculation method
<b>Respiratory or skin sensitisation</b>	Based on the available information, the classification criteria are not fulfilled.
<b>Specific target organ toxicity — single exposure</b>	Based on the available information, the classification criteria are not fulfilled.
<b>Specific target organ toxicity — repeated exposure</b>	Based on the available information, the classification criteria are not fulfilled.
<b>Mutagenicity</b>	Based on the available information, the classification criteria are not fulfilled.
<b>Reproduction toxicity</b>	Based on the available information, the classification criteria are not fulfilled.
<b>Carcinogenicity</b>	Based on the available information, the classification criteria are not fulfilled.
<b>Aspiration hazard</b>	Based on the available information, the classification criteria are not fulfilled.
<b>General remarks</b>	

Toxicological data of complete product are not available.  
The toxicity data listed pertaining to the ingredients are intended for those working in the medicinal professions, experts for occupational health and safety and toxicologists. The toxicity data pertaining to the ingredients were supplied by the manufacturers of raw materials.

## SECTION 12: Ecological information

### 12.1 Toxicity

Substance
Alkylethercarbonic acid
LC50, (96h), fish: > 100 mg/l.
Alcohols, C16-18, ethoxylated, CAS: 68439-49-6
LC50, (96h), Leuciscus idus: > 1 - < 10 mg/l.
EC50, Algae: > 1 - < 10 mg/l.
EC50, Daphnia magna: > 1 - < 10 mg/l.
EC0, Bacteria: > 5000 mg/l.
EC10, Algae: > 1 mg/l.
Propan-2-ol, CAS: 67-63-0
EC50, (72h), Scenedesmus subspicatus: > 100 mg/l.
EC50, (48h), Daphnia magna: 13299 mg/l.

## 12.2 Persistence and degradability

<b>Behaviour in environment compartments</b>	No information available.
<b>Behaviour in sewage plant</b>	The product can cause foaming in sewage treatment plants.
<b>Biological degradability</b>	No information available.

## 12.3 Bioaccumulative potential

No information available.

## 12.4 Mobility in soil

No information available.

## 12.5 Results of PBT and vPvB assessment

not applicable

## 12.6 Other adverse effects

Ecological data of complete product are not available.  
Do not discharge product unmonitored into the environment or into the drainage.

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

Waste material must be disposed of in accordance with the Directive on waste 2008/98/EC as well as other national and local regulations. It is not possible to determine a waste code for this product in accordance with the European Waste Catalogue (EWC) since it is only possible to classify it according to how it is used by the customer. The waste code is to be determined within the EU in liaison with the waste-disposal operator.

#### Product

Coordinate disposal with the authorities if necessary.

#### Waste no. (recommended)

070601\*

#### Contaminated packaging

Untaminated packaging may be taken for recycling.  
Contaminated packaging should be emptied as far as possible and after appropriate cleansing may be taken for reuse.

#### Waste no. (recommended)

150110\*

## SECTION 14: Transport information

### 14.1 UN number


**Transport by land according to ADR/RID** 1987

**Inland navigation (ADN)** 1987


**Marine transport in accordance with IMDG** 1987

**Air transport in accordance with IATA** 1987

**14.2 UN proper shipping name**

Transport by land according to ADR/RID	Alcohols, n.o.s. (Isopropanol solution)
- Classification Code	F1
- Label	
- ADR LQ	5 l
- ADR 1.1.3.6 (8.6)	Transport category (tunnel restriction code) 3 (D/E)

Inland navigation (ADN)	Alcohols, n.o.s. (Isopropanol solution)
- Classification Code	F1
- Label	

Marine transport in accordance with IMDG	Alcohols, n.o.s. (Isopropanol-solution)
- EMS	F-E, S-D
- Label	
- IMDG LQ	5 l

Air transport in accordance with IATA	Alcohols, n.o.s. (Isopropanol-solution)
- Label	

**14.3 Transport hazard class(es)**

Transport by land according to ADR/RID	3
--	---

Inland navigation (ADN)	3
-------------------------	---

Marine transport in accordance with IMDG	3
--	---

Air transport in accordance with IATA	3
---------------------------------------	---

**14.4 Packing group**

Transport by land according to ADR/RID	III
--	-----

Inland navigation (ADN)	III
-------------------------	-----

Marine transport in accordance with IMDG	III
--	-----

Air transport in accordance with IATA	III
---------------------------------------	-----



**14.5 Environmental hazards**

Transport by land according to ADR/RID no

Inland navigation (ADN) no

Marine transport in accordance with IMDG no

Air transport in accordance with IATA no

**14.6 Special precautions for user**

Relevant information under SECTION 6 to 8.

**14.7 Transport in bulk according to Annex II of MARPOL and the IBC Code**

No information available.

**SECTION 15: Regulatory information****15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

**EEC-REGULATIONS** 1991/689 (2001/118); 2010/75; 2004/42; 648/2004; 1907/2006 (REACH); 1272/2008; 75/324/EEC (2008/47/EC); (EU) 2015/830; (EU) 2016/131; (EU) 517/2014

**TRANSPORT-REGULATIONS** DOT-Classification, ADR (2017); IMDG-Code (2017, 38. Amdt.); IATA-DGR (2017).

**NATIONAL REGULATIONS (GB):** EH40/2005 Workplace exposure limits (Second edition, published December 2011).

- Observe employment restrictions for people Observe employment restrictions for young people.

- VOC (2010/75/CE) ca. 10 %

**15.2 Chemical safety assessment**

For this product a chemical safety assessment has not been carried out.

**SECTION 16: Other information****16.1 Hazard statements (SECTION 03)**

H336 May cause drowsiness or dizziness.  
 H319 Causes serious eye irritation.  
 H225 Highly flammable liquid and vapour.  
 H400 Very toxic to aquatic life.  
 H318 Causes serious eye damage.  
 H315 Causes skin irritation.

**16.2 Abbreviations and acronyms:**

ADR = Accord européen relatif au transport international des marchandises Dangereuses par Route  
 RID = Règlement concernant le transport international ferroviaire de marchandises dangereuses  
 ADN = Accord européen relatif au transport international des marchandises dangereuses par voie de navigation intérieure  
 ATE = acute toxicity estimate  
 CAS = Chemical Abstracts Service  
 CLP = Classification, Labelling and Packaging  
 DMEL = Derived Minimum Effect Level  
 DNEL = Derived No Effect Level  
 EC50 = Median effective concentration  
 ECB = European Chemicals Bureau  
 EEC = European Economic Community  
 EINECS = European Inventory of Existing Commercial Chemical Substances  
 ELINCS = European List of Notified Chemical Substances  
 GHS = Globally Harmonized System of Classification and Labelling of Chemicals  
 IATA = International Air Transport Association  
 IBC-Code = International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk  
 IC50 = Inhibition concentration, 50%  
 IMDG = International Maritime Code for Dangerous Goods  
 IUCLID = International Uniform Chemical Information Database  
 LC50 = Lethal concentration, 50%  
 LD50 = Median lethal dose  
 LC0 = lethal concentration, 0%  
 LOAEL = lowest-observed-adverse-effect level  
 MARPOL = International Convention for the Prevention of Marine Pollution from Ships  
 NOAEL = No Observed Adverse Effect Level  
 NOEC = No Observed Effect Concentration  
 PBT = Persistent, Bioaccumulative and Toxic substance  
 PNEC = Predicted No-Effect Concentration  
 REACH = Registration, Evaluation, Authorisation and Restriction of Chemicals  
 STP = Sewage Treatment Plant  
 TLV@/TWA = Threshold limit value – time-weighted average  
 TLV@STEL = Threshold limit value – short-time exposure limit  
 VOC = Volatile Organic Compounds  
 vPvB = very Persistent and very Bioaccumulative

**16.3 Other information****Classification procedure**

Flam. Liq. 3: H226 Flammable liquid and vapour. (On basis of test data)  
 Skin Irrit. 2: H315 Causes skin irritation. (Calculation method)  
 Eye Dam. 1: H318 Causes serious eye damage. (Calculation method)

**Modified position**

none



Copyright: Chemiebüro®

