

EU safety data sheet

Trade name: KRONES colclean CG 3015

Current version : 1.0.2, issued: 08.04.2022

Replaced version: 1.0.1, issued: 20.01.2020

Region: GB

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

1.1 Product identifier

Trade name

KRONES colclean CG 3015

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

Relevant identified uses of the substance or mixture

Conveyor lubricant

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

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

Skin Irrit. 2; H315

Classification information

Classification and labelling with respect to corrosivity and irritation to skin are based on toxicological studies performed on the product (mixture).

Classification and labelling with respect to specific target organ toxicity (repeated exposure) are based on toxicological studies performed on the product (mixture).

Classification and labelling with respect to water pollution risks are based on ecotoxicological studies performed on the product (mixture).

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

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Signal word

Danger

Hazardous component(s) to be indicated on label:

Poly(oxy-1,2-ethanediyl), .alpha.-(carboxymethyl) -.omega.-(octyloxy)-(4-11 EO)

Hazard statement(s)

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

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.
P370+P378 In case of fire: Use alcohol-resistant foam or extinguishing powder to extinguish.

2.3 Other hazards

No data available.

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	(Z)-N-9-octadecenylpropane-1,3-diamine		
	7173-62-8 230-528-9 - 01-2119487002-46	Acute Tox. 4; H302 Skin Corr. 1B; H314 Eye Dam. 1; H318 STOT RE 1; H372 Aquatic Acute 1; H400 Aquatic Chronic 1; H410	>= 10.00 - < 25.00 wt%
2	propan-2-ol		
	67-63-0 200-661-7 603-117-00-0 01-2119457558-25	Eye Irrit. 2; H319 Flam. Liq. 2; H225 STOT SE 3; H336	>= 10.00 - < 25.00 wt%
3	Alcohols, C16-18, ethoxylated		
	68439-49-6 500-212-8 - -	Eye Irrit. 2; H319	>= 5.00 - < 10.00 wt%
4	formic acid		
	64-18-6 200-579-1 607-001-00-0 01-2119491174-37	Flam. Liq. 3; H226 Acute Tox. 4; H302 Skin Corr. 1A; H314 Eye Dam. 1; H318 Acute Tox. 3; H331 EUH071	>= 5.00 - < 10.00 wt%
5	Poly(oxy-1,2-ethanediyl), .alpha.-(carboxymethyl) -.omega.-(octyloxy)-(4-11 EO)		
	53563-70-5 - - -	Eye Dam. 1; H318 Skin Irrit. 2; H315	< 5.00 wt%

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

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(2) According to the latest state of knowledge and applying the criteria set out in annex I to Regulation (EC) No 1272/2008, the aforementioned classification is required. This classification goes beyond the classification set out in table 3, Annex VI to Regulation (CE) No 1272/2008.

No	Note	Specific concentration limits	M-factor (acute)	M-factor (chronic)
1	-	-	M = 10	M = 1
4	B	Skin Irrit. 2; H315: C >= 2% Eye Irrit. 2; H319: C >= 2% Eye Dam. 1; H318: C >= 10% Skin Corr. 1B; H314: C >= 10% Eye Dam. 1; H318: C >= 90% Skin Corr. 1A; H314: C >= 90%	-	-

Full text for the notes: pls. see section 16 "Notes relating to the identification, classification and labelling of substances ((EC) No 1272/2008, Annex VI)".

Acute toxicity estimate (ATE) values			
No	oral	dermal	inhalative
1	500 mg/kg bodyweight		
4	730 mg/kg bodyweight		7,85 mg/l

3.3 Other information

Neutralization product from (Z)-N-9-octadecenylpropane-1,3-diamine with formic acid: This substance is a completely dissociated ion mixture.

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.

After inhalation

Remove affected persons from dangerous area by observing suitable respiratory protection measures. Ensure supply of fresh air. Take medical treatment.

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 immediate ophthalmic treatment.

After ingestion

Rinse the mouth thoroughly with water. Do not induce vomiting. Never give anything by mouth to an unconscious person. Call a doctor immediately.

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

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 gases/vapours; Pyrolysis products

5.3 Advice for firefighters

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Use self-contained breathing apparatus. Wear protective clothing. Do not inhale explosion and/or combustion byproducts. 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. High risk of slipping due to leakage/spillage of product.

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.

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). Avoid eye, skin and clothing contact.

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

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, 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	propan-2-ol	67-63-0	200-661-7
List of approved workplace exposure limits (WELs) / EH40			

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	Propan-2-ol				
	WEL short-term (15 min reference period)	1250	mg/m ³	500	ppm
	WEL long-term (8-hr TWA reference period)	999	mg/m ³	400	ppm
2	formic acid	64-18-6		200-579-1	
	2006/15/EC				
	Formic acid				
	WEL long-term (8-hr TWA reference period)	9	mg/m ³	5	ppm
	List of approved workplace exposure limits (WELs) / EH40				
	Formic acid				
	WEL long-term (8-hr TWA reference period)	9.6	mg/m ³	5	ppm

DNEL, DMEL and PNEC values

DNEL values (worker)

DNEL values (worker)				CAS / EC no	
No	Substance name			Value	
	Route of exposure	Exposure time	Effect		
1	(Z)-N-9-octadecenylpropane-1,3-diamine			7173-62-8 230-528-9	
	dermal	Long term (chronic)	systemic	5.6	µg/kg bw/day
	inhalative	Long term (chronic)	systemic	39.5	µg/m³
2	propan-2-ol			67-63-0 200-661-7	
	dermal	Long term (chronic)	systemic	888	mg/kg/day
	inhalative	Long term (chronic)	systemic	500	mg/m³
3	formic acid			64-18-6 200-579-1	
	inhalative	Long term (chronic)	local	9.5	mg/m³
	inhalative	Short term (acut)	systemic	19	mg/m³

DNEL value (consumer)

No	Substance name			CAS / EC no	
	Route of exposure	Exposure time	Effect	Value	
1	(Z)-N-9-octadecenylpropane-1,3-diamine			7173-62-8 230-528-9	
	oral	Long term (chronic)	systemic	2	µg/kg bw/day
	dermal	Long term (chronic)	systemic	2	µg/kg bw/day
	inhalative	Long term (chronic)	systemic	6.96	µg/m³
2	propan-2-ol			67-63-0 200-661-7	
	oral	Long term (chronic)	systemic	26	mg/kg/day
	dermal	Long term (chronic)	systemic	319	mg/kg/day
	inhalative	Long term (chronic)	systemic	89	mg/m³
3	formic acid			64-18-6 200-579-1	
	inhalative	Long term (chronic)	local	3	mg/m³
	inhalative	Short term (acute)	systemic	9.5	mg/m³

PNEC values

PNEC values				
No	Substance name		CAS / EC no	
	ecological compartment	Type	Value	
1	propan-2-ol		67-63-0 200-661-7	
	water	fresh water	140.9	mg/L
	water	Aqua intermittent	140.9	mg/L
	water	marine water	140.9	mg/L
	water	fresh water sediment	552	mg/L
	water	marine water sediment	552	mg/L
	soil	-	28	mg/kg
	sewage treatment plant	-	2251	mg/L
	secondary poisoning	-	160	mg/kg
	with reference to: food			

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2	formic acid		64-18-6 200-579-1
	water	fresh water	2 mg/L
	water	marine water	0.2 mg/L
	water	Aqua intermittent	1 mg/L
	water	fresh water sediment	13.4 mg/kg dry weight
	water	marine water sediment	1.34 mg/kg dry weight
	soil	-	1.5 mg/kg dry weight
	sewage treatment plant	-	7.2 mg/L

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 ABEK

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	nitrile rubber		
Material thickness	>	0.11	mm
Breakthrough time	>	480	min
Appropriate Material	butyl rubber		
Material thickness	>	0.11	mm
Breakthrough time	>	480	min

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	
liquid	
yellow	
Odour	
characteristic	
pH value	
Value	4 - 5

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Boiling point / boiling range			
Value	100 °C		
Melting point/freezing point			
No data available			
Decomposition temperature			
No data available			
Flash point			
Value	37.5 °C		
Ignition temperature			
No data available			
Oxidising properties			
not oxidizing			
Flammability			
No data available			
Lower explosion limit			
Value	2.6 % vol		
Upper explosion limit			
Value	12.6 % vol		
Vapour pressure			
Value	2.3 kPa		
Relative vapour density			
No data available			
Relative density			
No data available			
Density			
Value	0.988	g/ml	
Reference temperature	20	°C	
Solubility in water			
Comments	Completely miscible		
Solubility			
No data available			
Partition coefficient n-octanol/water (log value)			
No	Substance name	CAS no.	EC no.
1	(Z)-N-9-octadecenylpropane-1,3-diamine	7173-62-8	230-528-9
log Pow		0.03	
Reference temperature		25.7	°C
Method		OECD 123	
Source		ECHA	
2	propan-2-ol	67-63-0	200-661-7
log Pow		0.05	
Reference temperature		25	°C
Source		ECHA	
3	formic acid	64-18-6	200-579-1
log Pow		-2.1	
Reference temperature		23	°C
Method		92/69/EEC, A.8	
Source		ECHA	
Viscosity			
No data available			
Particle characteristics			
No data available			

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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 (result of the ATE calculation for the mixture)

No Product Name

1 KRONES colclean CG 3015

Comments

The result of the applied calculation method according to the European Regulation (EC) 1272/2008 (CLP), Paragraph 3.1.3.6, Part 3 of Annex I is outside the values that imply a classification / labelling of this mixture according to table 3.1.1 defining the respective categories (ATE oral > 2000 mg/kg).

Acute oral toxicity

No Substance name

CAS no.

EC no.

1 (Z)-N-9-octadecenylpropane-1,3-diamine

7173-62-8

230-528-9

LD50

500

mg/kg bodyweight

Species

rat

Method

OECD 423

Source

ECHA

2 propan-2-ol

67-63-0

200-661-7

LD50

5840

mg/kg bodyweight

Species

rat

Method

OECD 401

Source

ECHA

Evaluation/classification

Based on available data, the classification criteria are not met.

3 formic acid

64-18-6

200-579-1

LD50

730

mg/kg bodyweight

Species

rat

Method

OECD 401

Source

ECHA

Acute dermal toxicity

No data available

Acute inhalational toxicity (result of the ATE calculation for the mixture)

No Product Name

1 KRONES colclean CG 3015

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Comments	The result of the applied calculation method according to the European Regulation (EC) 1272/2008 (CLP), Paragraph 3.1.3.6, Part 3 of Annex I is outside the values that imply a classification / labelling of this mixture according to table 3.1.1 defining the respective categories (ATE for inhalation: > 20.000 ppmV (gases), > 20 mg/l (vapours), > 5 mg/l (dusts/mists)).
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Acute inhalational toxicity			
No	Substance name	CAS no.	EC no.
1	propan-2-ol	67-63-0	200-661-7
LC50	>	10000	ppmV
Duration of exposure		6	h
State of aggregation	Vapour		
Species	rat		
Method	OECD 403		
Source	ECHA		
Evaluation/classification	Based on available data, the classification criteria are not met.		
2	formic acid	64-18-6	200-579-1
LC50		7.85	mg/l
Duration of exposure		4	h
State of aggregation	Vapour		
Species	rat		
Method	OECD 403		
Source	ECHA		

Skin corrosion/irritation	
No	Product Name
1	KRONES colclean CG 3015
Evaluation	irritant

Serious eye damage/irritation			
No	Substance name	CAS no.	EC no.
1	propan-2-ol	67-63-0	200-661-7
Species	rabbit		
Method	OECD 405		
Source	ECHA		
Evaluation	irritant		
Evaluation/classification	Based on available data, the classification criteria are met.		

Respiratory or skin sensitisation			
No	Substance name	CAS no.	EC no.
1	propan-2-ol	67-63-0	200-661-7
Route of exposure	Skin		
Species	guinea pig		
Method	OECD 406		
Source	ECHA		
Evaluation	non-sensitizing		
Evaluation/classification	Based on available data, the classification criteria are not met.		
2	formic acid	64-18-6	200-579-1
Route of exposure	Skin		
Species	guinea pig		
Method	OECD 406		
Source	ECHA		
Evaluation	non-sensitizing		

Germ cell mutagenicity			
No	Substance name	CAS no.	EC no.
1	(Z)-N-9-octadecenylpropane-1,3-diamine	7173-62-8	230-528-9
Species	Salmonella typhimurium: TA 1535, TA 1537, TA 98, TA 100; Escherichia coli WP2 uvrA		
Method	OECD 471		
Source	ECHA		
Evaluation/classification	Based on available data, the classification criteria are not met.		

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2	propan-2-ol	67-63-0	200-661-7
Source		ECHA	
Evaluation/classification		Based on available data, the classification criteria are not met.	
3	formic acid	64-18-6	200-579-1
Source		ECHA	
Evaluation/classification		Based on available data, the classification criteria are not met.	
Reproduction toxicity			
No	Substance name	CAS no.	EC no.
1	(Z)-N-9-octadecenylpropane-1,3-diamine	7173-62-8	230-528-9
Type of examination		oral	
Species		rat	
Method		OECD 416	
Source		ECHA	
Evaluation/classification		Based on available data, the classification criteria are not met.	
2	formic acid	64-18-6	200-579-1
Source		ECHA	
Evaluation/classification		Based on available data, the classification criteria are not met.	
Carcinogenicity			
No data available			
STOT - single exposure			
No data available			
STOT - repeated exposure			
No	Product Name		
1	KRONES colclean CG 3015		
Evaluation/classification		Based on available data, the classification criteria are not met.	
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	Product Name		
1	KRONES colclean CG 3015		
Evaluation/classification		Based on available data, the classification criteria are not met.	
Toxicity to fish (chronic)			
No data available			
Toxicity to Daphnia (acute)			
No data available			
Toxicity to Daphnia (chronic)			
No data available			
Toxicity to algae (acute)			
No data available			
Toxicity to algae (chronic)			
No data available			
Bacteria toxicity			
No	Substance name	CAS no.	EC no.

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1	formic acid	64-18-6	200-579-1
NOEC		72	mg/l
Duration of exposure		13	day(s)
Species	activated sludge		
Method	92/69/EEC, C.3.		
Source	ECHA		

12.2 Persistence and degradability

Biodegradability			
No	Substance name	CAS no.	EC no.
1	propan-2-ol	67-63-0	200-661-7
Type	BOD/COD		
Value		53	%
Duration		5	day(s)
Source	ECHA		
Evaluation	readily biodegradable		
2	formic acid	64-18-6	200-579-1
Type	aerobic biodegradation		
Value		100	%
Duration		14	day(s)
Method	OECD 301 C		
Source	ECHA		
Evaluation	readily biodegradable		

Abiotic Degradation			
No	Substance name	CAS no.	EC no.
1	formic acid	64-18-6	200-579-1
Type	Hydrolysis		
Half-life		119	h
pH value		7	
Reference temperature		50	°C
Method	440/2008/EC C.7.		
Source	ECHA		

12.3 Bioaccumulative potential

Partition coefficient n-octanol/water (log value)			
No	Substance name	CAS no.	EC no.
1	(Z)-N-9-octadecenylpropane-1,3-diamine	7173-62-8	230-528-9
log Pow		0.03	
Reference temperature		25.7	°C
Method	OECD 123		
Source	ECHA		
2	propan-2-ol	67-63-0	200-661-7
log Pow		0.05	
Reference temperature		25	°C
Source	ECHA		
3	formic acid	64-18-6	200-579-1
log Pow		-2.1	
Reference temperature		23	°C
Method	92/69/EEC, A.8		
Source	ECHA		

12.4 Mobility in soil

Mobility in soil			
No	Substance name	CAS no.	EC no.
1	formic acid	64-18-6	200-579-1
log Koc		< 1.25	
Reference temperature		23	°C
Method	OECD 121		
Source	ECHA		

12.5 Results of PBT and vPvB assessment

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No data available.

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	3
Classification code	F1
Packing group	III
Hazard identification no.	30
UN number	UN1987
Proper shipping name	ALCOHOLS, N.O.S.
Technical name	propan-2-ol
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-2-ol
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-2-ol
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.

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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, 40

The product contains following substance(s) that are considered being subject to REACH regulation (EC) 1907/2006 annex XVII.

No	Substance name	CAS no.	EC no.	No
1	formic acid	64-18-6	200-579-1	75
2	propan-2-ol	67-63-0	200-661-7	75

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

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 not been carried out for this mixture.

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)

EUH071	Corrosive to the respiratory tract.
H225	Highly flammable liquid and vapour.
H302	Harmful if swallowed.
H314	Causes severe skin burns and eye damage.
H319	Causes serious eye irritation.
H331	Toxic if inhaled.
H336	May cause drowsiness or dizziness.
H372	Causes damage to organs through prolonged or repeated exposure.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.

Notes relating to the identification, classification and labelling of substances and mixtures ((EC) No 1272/2008, Annex VI)

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B Some substances (acids, bases, etc.) are placed on the market in aqueous solutions at various concentrations and, therefore, these solutions require different classification and labelling since the hazards vary at different concentrations. In Part 3 entries with Note B have a general designation of the following type: 'nitric acid ... %'. In this case the supplier must state the percentage concentration of the solution on the label. Unless otherwise stated, it is assumed that the percentage concentration is calculated on a weight/weight basis.

Creation of the safety data sheet

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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 760599