KRONES colclean CG 3009

Safety Data Sheet

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

Date of issue: 01/07/2020 Revision date: 01/07/2020 : Version: 1.0

SECTION 1: Identification

1.1. GHS Product identifier

Product form : Mixture

Trade name : KRONES colclean CG 3009

1.2 Other means of identification

Other means of identification : No information available

1.3. Recommended use of the chemical and restrictions on use

Use of the substance/mixture : Conveyor lubricant

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

Skin corrosion/irritation, Category 1B	H314
Serious eye damage/eye irritation, Category 1	H318
Specific target organ toxicity — Repeated exposure, Category 1	H372
Hazardous to the aquatic environment — Acute Hazard, Category 1	H400
Hazardous to the aquatic environment — Chronic Hazard, Category 2	H411

Full text of H statements : see section 16

Adverse physicochemical, human health and environmental effects : No information available

2.2. GHS Label elements, including precautionary statements

Labelling according to the United Nations GHS

Hazard pictograms (GHS UN) :

GHS05 GHS08 GHS09

Signal word (GHS UN) : Danger

Hazard statements (GHS UN) :
H314 - Causes severe skin burns and eye damage.
H372 - Causes damage to organs through prolonged or repeated exposure.
H400 - Very toxic to aquatic life.
H411 - Toxic to aquatic life with long lasting effects.

Precautionary statements (GHS UN) :
P260 - Do not breathe dust/fume/gas/mist/vapours/spray.
P264 - Wash thoroughly after handling.
P270 - Do not eat, drink or smoke when using this product.
P273 - Avoid release to the environment.
P280 - Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.
P301+P330+P331 - IF SWALLOWED: rinse mouth. Do NOT induce vomiting.
P303+P361+P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water .
P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing.
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.
P314 - Get medical advice/attention if you feel unwell.

P321 - Specific treatment (see on this label).
P363 - Wash contaminated clothing before reuse.
P391 - Collect spillage.
P405 - Store locked up.
P501 - Dispose of contents / container to special or hazardous waste collection point in accordance with local, regional, national and / or international regulations.

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	%
1,3-Propanediamine, N-(9Z)-9-octadecenyl-	(CAS-No.) 7173-62-8	>= 10.00 - < 25.00
Formic acid	(CAS-No.) 64-18-6	< 5.00
Alcohols, C16-18, ethoxylated	(CAS-No.) 68439-49-6	< 5.00
Poly(oxy-1,2-ethanediyl), .alpha.-(carboxymethyl)-.omega.-(octyloxy)-	(CAS-No.) 53563-70-5	< 2.50

SECTION 4: First-aid measures

4.1. Description of necessary first-aid measures

First-aid measures general : Take off immediately all contaminated clothing and wash it before reuse. In case of doubt or persistent symptoms, consult always a physician.

First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing. Do not apply mouth-to-mouth resuscitation.

First-aid measures after skin contact : Wash immediately with plenty of soap and water. Get medical advice/attention.

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

First-aid measures after ingestion : Do NOT induce vomiting. Rinse mouth thoroughly with water. Never give anything by mouth to an unconscious person. Get medical advice/attention.

4.2. Most important symptoms/effects, acute and delayed

Most Important Symptoms/Effects : Causes severe skin burns and eye damage. Causes damage to organs through prolonged or repeated exposure.

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 : Water spray, alcohol-resistant foam, carbon dioxide.

Unsuitable extinguishing media : High volume water jet.

5.2. Specific hazards arising from the chemical

Fire hazard : No information available.

Hazardous decomposition products in case of fire : Thermal decomposition generates toxic vapours: 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. Cool closed containers exposed to fire with water spray. Do not allow run-off from fire-fighting to enter drains or water courses.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Protective equipment : Wear personal protective equipment.

Emergency procedures : Remove all sources of ignition. Ensure good ventilation of the work station.

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 discharge into drains or rivers. 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 with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents).
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 sources of ignition. Ensure good ventilation of the work station. Wear personal protective equipment. Respiratory protection equipment may be necessary.
Hygiene measures	:	Keep away from food and drink. Do not eat, drink or smoke when using this product. Always wash hands after handling the product. Avoid contact with skin and eyes. Do not breathe dust/fume/gas/mist/vapours/spray. Wash contaminated clothing before reuse.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions	:	Store in a well-ventilated place. Keep cool. Keep container tightly closed. Keep only in original container. Store locked up.
Storage area	:	Containers which are opened should be properly resealed and kept upright to prevent leakage. Keep only in original container. Protect from heat and direct sunlight.
Incompatible products	:	Strong bases, oxidising agents.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Formic acid (64-18-6)	
EU - Occupational Exposure Limits	
IOELV TWA (mg/m³)	9 mg/m³
IOELV TWA (ppm)	5 ppm
Austria - Occupational Exposure Limits	
MAK (mg/m³)	9 mg/m³
MAK (ppm)	5 ppm
MAK Short time value (mg/m³)	9 mg/m³
MAK Short time value (ppm)	5 ppm
OEL - Ceilings (mg/m³)	9 mg/m³
OEL - Ceilings (ppm)	5 ppm
Belgium - Occupational Exposure Limits	
Limit value (mg/m³)	9.5 mg/m³
Limit value (ppm)	5 ppm
Short time value (mg/m³)	19 mg/m³
Short time value (ppm)	10 ppm
Bulgaria - Occupational Exposure Limits	
OEL TWA (mg/m³)	9 mg/m³
OEL TWA (ppm)	5 ppm
Croatia - Occupational Exposure Limits	
GVI (granična vrijednost izloženosti) (mg/m³)	9 mg/m³ (>90%)
GVI (granična vrijednost izloženosti) (ppm)	5 ppm (>90%)
Cyprus - Occupational Exposure Limits	
OEL TWA (mg/m³)	9 mg/m³
OEL TWA (ppm)	5 ppm

Czech Republic - Occupational Exposure Limits	
Expoziční limity (PEL) (mg/m³)	9 mg/m³
Denmark - Occupational Exposure Limits	
Grænseværdie (langvarig) (mg/m³)	9 mg/m³
Grænseværdie (langvarig) (ppm)	5 ppm
Estonia - Occupational Exposure Limits	
OEL TWA (mg/m³)	9 mg/m³
OEL TWA (ppm)	5 ppm
Finland - Occupational Exposure Limits	
HTP-arvo (8h) (mg/m³)	5 mg/m³
HTP-arvo (8h) (ppm)	3 ppm
HTP-arvo (15 min)	19 mg/m³
HTP-arvo (15 min) (ppm)	10 ppm
France - Occupational Exposure Limits	
VME (mg/m³)	9 mg/m³ (indicative limit)
VME (ppm)	5 ppm (indicative limit)
Germany - Occupational Exposure Limits (TRGS 900)	
TRGS 900 Occupational exposure limit value (mg/m³)	9.5 mg/m³ (The risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed)
TRGS 900 Occupational exposure limit value (ppm)	5 ppm (The risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed)
Gibraltar - Occupational Exposure Limits	
Eight hours mg/m3	9 mg/m³
Eight hours ppm	5 ppm
Greece - Occupational Exposure Limits	
OEL TWA (mg/m³)	9 mg/m³
OEL TWA (ppm)	5 ppm
Hungary - Occupational Exposure Limits	
AK-érték	9 mg/m³
Ireland - Occupational Exposure Limits	
OEL (8 hours ref) (mg/m³)	9 mg/m³
OEL (8 hours ref) (ppm)	5 ppm
OEL (15 min ref) (mg/m3)	27 mg/m³ (calculated)
OEL (15 min ref) (ppm)	15 ppm (calculated)
Italy - Occupational Exposure Limits	
OEL TWA (mg/m³)	9 mg/m³
OEL TWA (ppm)	5 ppm
Latvia - Occupational Exposure Limits	
OEL TWA (mg/m³)	9 mg/m³
OEL TWA (ppm)	5 ppm
Lithuania - Occupational Exposure Limits	
IPRV (mg/m³)	9 mg/m³
IPRV (ppm)	5 ppm
Luxembourg - Occupational Exposure Limits	
OEL TWA (mg/m³)	9 mg/m³
OEL TWA (ppm)	5 ppm

Malta - Occupational Exposure Limits	
OEL TWA (mg/m³)	9 mg/m³
OEL TWA (ppm)	5 ppm
Netherlands - Occupational Exposure Limits	
Grenswaarde TGG 15MIN (mg/m³)	5 mg/m³
Poland - Occupational Exposure Limits	
NDS (mg/m³)	5 mg/m³
NDSCh (mg/m³)	15 mg/m³
Portugal - Occupational Exposure Limits	
OEL TWA (mg/m³)	9 mg/m³ (indicative limit value)
OEL TWA (ppm)	5 ppm (indicative limit value)
OEL STEL (ppm)	10 ppm
Romania - Occupational Exposure Limits	
OEL TWA (mg/m³)	9 mg/m³
OEL TWA (ppm)	5 ppm
Slovakia - Occupational Exposure Limits	
NPHV (priemerná) (mg/m³)	9 mg/m³
NPHV (priemerná) (ppm)	5 ppm
Slovenia - Occupational Exposure Limits	
OEL TWA (mg/m³)	9 mg/m³
OEL TWA (ppm)	5 ppm
Spain - Occupational Exposure Limits	
VLA-ED (mg/m³)	9 mg/m³ (indicative limit value)
VLA-ED (ppm)	5 ppm (indicative limit value)
Sweden - Occupational Exposure Limits	
nivågränsvärde (NVG) (mg/m³)	5 mg/m³
nivågränsvärde (NVG) (ppm)	3 ppm
kortidsvärde (KTV) (mg/m³)	9 mg/m³
kortidsvärde (KTV) (ppm)	5 ppm
United Kingdom - Occupational Exposure Limits	
WEL TWA (mg/m³)	9.6 mg/m³
WEL TWA (ppm)	5 ppm
WEL STEL (mg/m³)	28.8 mg/m³ (calculated)
WEL STEL (ppm)	15 ppm (calculated)
Norway - Occupational Exposure Limits	
Grenseverdier (AN) (mg/m³)	9 mg/m³
Grenseverdier (AN) (ppm)	5 ppm
Grenseverdier (Korttidsverdi) (mg/m3)	18 mg/m³ (value calculated)
Grenseverdier (Korttidsverdi) (ppm)	10 ppm (value calculated)
Switzerland - Occupational Exposure Limits	
MAK (mg/m³)	9.5 mg/m³
MAK (ppm)	5 ppm
KZGW (mg/m³)	19 mg/m³
KZGW (ppm)	10 ppm

Turkey - Occupational Exposure Limits	
OEL TWA (mg/m³)	9 mg/m³
OEL TWA (ppm)	5 ppm
USA - ACGIH - Occupational Exposure Limits	
ACGIH TWA (ppm)	5 ppm
ACGIH STEL (ppm)	10 ppm

8.2. Appropriate engineering controls

Appropriate engineering controls : Keep away from 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).

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

Skin and body protection : Wear suitable 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 : Yellow Liquid

Molecular mass : No data available.

Colour : Yellow.

Odour : No additional information available

Odour threshold : Not available

Melting point : Not available

Freezing point : Not available

Boiling point : Not available

Flammability (solid, gas) : Non flammable

Explosive limits : Not available

Lower explosive limit (LEL) : Not available

Upper explosive limit (UEL) : Not available

Flash point : Not available

Auto-ignition temperature : Not available

Decomposition temperature : Not available

pH : 2.8

pH solution : Not available

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

Log Kow : 1,3-Propanediamine, N-(9Z)-9-octadecenyl-: 0.03 (25.7 ℃, OECD 123, ECHA)

Formic acid: -2.1 (23 ℃, 92/69/EEC, A.8, ECHA)

Vapour pressure : Not available

Vapour pressure at 50 °C : Not available

Density : 1.005 g/mL (20 °C)

Relative density : Not available

Relative vapour density at 20 °C : Not available

Solubility : Not available

Explosive properties : Not available

Oxidising properties : Not available

9.2. Data relevant with regard to physical hazard classes (supplemental)
No 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
Incompatible materials

10.5. Incompatible materials
Strong bases, oxidising 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

1,3-Propanediamine, N-(9Z)-9-octadecenyl- (7173-62-8)	
LD50 oral rat	500 mg/kg bodyweight (OECD 423, ECHA)

Formic acid (64-18-6)	
LD50 oral rat	1100 mg/kg
LD50 oral rat	730 mg/kg bodyweight (OECD 401, ECHA)
LC50 inhalation rat (mg/l)	15 g/m³/15 min
LC50 inhalation rat (mg/l)	7.85 mg/L/4 h (OECD 403, ECHA)

Alcohols, C16-18, ethoxylated (68439-49-6)	
LD50 oral rat	1260 mg/kg

Skin corrosion/irritation : Causes severe skin burns and eye damage.

1,3-Propanediamine, N-(9Z)-9-octadecenyl-: corrosive (rabbit, OECD 404, ECHA)

Serious eye damage/irritation : Causes serious eye damage.

Respiratory or skin sensitisation : Not classified

Formic acid: non-sensitizing (guinea pig, OECD 406, ECHA)

Germ cell mutagenicity : Not classified

1,3-Propanediamine, N-(9Z)-9-octadecenyl-: Based on available data, the classification criteria are not met (Salmonella typhimurium: TA 1535, TA 1537, TA 98, TA 100; Escherichia coli WP2 uvrA, OECD 471, ECHA)

Formic acid: Based on available data, the classification criteria are not met (ECHA)

Carcinogenicity : Not classified

Reproductive toxicity : Not classified

1,3-Propanediamine, N-(9Z)-9-octadecenyl-: Based on available data, the classification criteria are not met (oral, rat, OECD 416, ECHA)

Formic acid: Based on available data, the classification criteria are not met (ECHA)

STOT-single exposure : Not classified

STOT-repeated exposure : Causes damage to organs through prolonged or repeated exposure.

1,3-Propanediamine, N-(9Z)-9-octadecenyl-: Based on available data, the classification criteria are not met (oral, rat, OECD 408, ECHA)

Formic acid: NOAEC=0.122 mg/L. Based on available data, the classification criteria are met (rat, inhalational, 13 week/s, OECD 413, ECHA)

Aspiration hazard : Not classified

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : Very toxic to aquatic life. Toxic to aquatic life with long lasting effects.

Acute aquatic toxicity : Very toxic to aquatic life.

Chronic aquatic toxicity : Toxic to aquatic life with long lasting effects.

1,3-Propanediamine, N-(9Z)-9-octadecenyl- (7173-62-8)	
EC50 Daphnia 1	290 µg/L/48 h (Daphnia magna, OECD 211, ECHA)
NOEC chronic crustacea 1	100 µg/L/21 day(s) (Daphnia magna, OECD 211, ECHA)
EC50 72h algae 1	320 - 1000 µg/L/72 h (Desmodesmus subspicatus, OECD 201, ECHA)

Formic acid (64-18-6)	
LC50 fish 1	130 mg/L/96 h (Danio rerio, OECD 203, ECHA)
EC50 Daphnia 1	120 mg/L/48 h (Daphnia magna)
EC50 Daphnia 2	138 - 165.6 mg/L/48 h (Daphnia magna [Static])
EC50 Daphnia 3	365 mg/L/48 h (Daphnia magna, OECD 202, ECHA)
EC50 72h algae 1	26.9 mg/L (Desmodesmus subspicatus)
EC50 72h algae 2	> 1000 mg/L/72 h (Desmodesmus subspicatus, OECD 201, ECHA)
EC50 96h algae 3	25 mg/L (Desmodesmus subspicatus)
NOEC chronic crustacea1	>= 100 mg/L/21 day(s) (Daphnia magna, OECD 211, ECHA)

12.2. Persistence and degradability

Formic acid (64-18-6)	
Persistence and degradability	Readily biodegradable.
Biodegradation	100% (14 day(s), OECD 301 C, ECHA)

12.3. Bioaccumulative potential

1,3-Propanediamine, N-(9Z)-9-octadecenyl- (7173-62-8)	
Log Pow	0.03 (25.7 °C, OECD 123, ECHA)

Formic acid (64-18-6)	
Log Pow	-2.1 (23 °C, 92/69/EEC, A.8, ECHA)
BCF fish	0.22

12.4. Mobility in soil

Formic acid (64-18-6)	
Log Koc	< 1.25 (23 °C, OECD 121, ECHA)

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.

SECTION 14: Transport information

In accordance with IMDG / IATA / UN RTDG

UN RTDG	IMDG	IATA
14.1. UN number		
1760	1760	1760

14.2. UN Proper Shipping Name		
CORROSIVE LIQUID, N.O.S. (Containing 1,3-Propanediamine, N-(9Z)-9-octadecenyl-)	CORROSIVE LIQUID, N.O.S. (Containing 1,3-Propanediamine, N-(9Z)-9-octadecenyl-)	Corrosive liquid, n.o.s. (Containing 1,3-Propanediamine, N-(9Z)-9-octadecenyl-)
14.3. Transport hazard class(es)		
8（9）	8（9）	8（9）
		
14.4. Packing group		
II	II	II
14.5. Environmental hazards		
Dangerous for the environment : Yes	Dangerous for the environment : Yes Marine pollutant : Yes	Dangerous for the environment : Yes
No supplementary information available		

14.6. Special precautions for user

- UN RTDG

Special provisions (UN RTDG)	: 274
Limited quantities (UN RTDG)	: 1L
Excepted quantities (UN RTDG)	: E2
Packing instruction (UN RTDG)	: P001, IBC02
Portable tank and bulk container special instructions (UN RTDG)	: T11
Portable tank and bulk container special provisions (UN RTDG)	: TP2, TP27

- IMDG

Special provisions (IMDG)	: 274
Packing instructions (IMDG)	: P001
IBC packing instructions (IMDG)	: IBC02
Tank instructions (IMDG)	: T11
Tank special provisions (IMDG)	: TP2, TP27
EmS-No. (Fire)	: F-A - FIRE SCHEDULE Alfa - GENERAL FIRE SCHEDULE
EmS-No. (Spillage)	: S-B - SPILLAGE SCHEDULE Bravo - CORROSIVE SUBSTANCES
Stowage category (IMDG)	: B
Properties and observations (IMDG)	: Causes burns to skin, eyes and mucous membranes.

- IATA

PCA Excepted quantities (IATA)	: E2
PCA Limited quantities (IATA)	: Y840
PCA limited quantity max net quantity (IATA)	: 0.5L
PCA packing instructions (IATA)	: 851
PCA max net quantity (IATA)	: 1L
CAO packing instructions (IATA)	: 855
CAO max net quantity (IATA)	: 30L
Special provisions (IATA)	: A3, A803
ERG code (IATA)	: 8L

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

1,3-Propanediamine, N-(9Z)-9-octadecenyl- (7173-62-8)
Listed on the United States TSCA (Toxic Substances Control Act) inventory

Formic acid (64-18-6)
Listed on the United States TSCA (Toxic Substances Control Act) inventory Subject to reporting requirements of United States SARA Section 313

Alcohols, C16-18, ethoxylated (68439-49-6)
Listed on the United States TSCA (Toxic Substances Control Act) inventory

Poly(oxy-1,2-ethanediyl), .alpha.-(carboxymethyl)-.omega.-(octyloxy)- (53563-70-5)
Listed on the United States TSCA (Toxic Substances Control Act) inventory

1,3-Propanediamine, N-(9Z)-9-octadecenyl- (7173-62-8)
Listed on the Canadian DSL (Domestic Substances List)

Formic acid (64-18-6)
Listed on the Canadian DSL (Domestic Substances List)

Alcohols, C16-18, ethoxylated (68439-49-6)
Listed on the Canadian DSL (Domestic Substances List)

Poly(oxy-1,2-ethanediyl), .alpha.-(carboxymethyl)-.omega.-(octyloxy)- (53563-70-5)
Listed on the Canadian DSL (Domestic Substances List)

1,3-Propanediamine, N-(9Z)-9-octadecenyl- (7173-62-8)
Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

Formic acid (64-18-6)
Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

Alcohols, C16-18, ethoxylated (68439-49-6)
Listed on the EU NLP (No Longer Polymers) inventory

1,3-Propanediamine, N-(9Z)-9-octadecenyl- (7173-62-8)
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 the Korean ECL (Existing Chemicals List) 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)

Formic acid (64-18-6)
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 the Korean ECL (Existing Chemicals List) Listed on NZIoC (New Zealand Inventory of Chemicals) Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances) Japanese Poisonous and Deleterious Substances Control Law Listed on INSQ (Mexican National Inventory of Chemical Substances) Listed on the TCSI (Taiwan Chemical Substance Inventory)

Alcohols, C16-18, ethoxylated (68439-49-6)
Listed on the AICS (Australian Inventory of Chemical Substances) Listed on the Korean ECL (Existing Chemicals List) Listed on NZIoC (New Zealand Inventory of Chemicals) Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances) Listed on the TCSI (Taiwan Chemical Substance Inventory)

Poly(oxy-1,2-ethanediyl), .alpha.-(carboxymethyl)-.omega.-(octyloxy)- (53563-70-5)
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 TCSI (Taiwan Chemical Substance Inventory)

SECTION 16: Other information

Date of issue : 01/07/2020
Revision date : 01/07/2020

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
Training advice	:	Normal use of this product shall imply use in accordance with the instructions on the packaging.
Other information	:	None.

Full text of H-statements:	
H314	Causes severe skin burns and eye damage
H318	Causes serious eye damage
H372	Causes damage to organs through prolonged or repeated exposure
H400	Very toxic to aquatic life
H411	Toxic to aquatic life with long lasting effects

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.