

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

1.1. Product identifier

Product name : CORROSION INHIBITOR
UFI : 1P30-29GG-D00R-MM59
Product code : UDS000523AE
Vaporizer : Aerosol

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

Relevant identified uses

Main use category : Professional use
Use of the substance/mixture : Anti Corrosion Products

1.3. Details of the supplier of the safety data sheet

Supplier

CRC Industries Europe UK Limited
Wylds Road
Castlefield Industrial Estate
TA6 4DD Bridgwater Somerset
United Kingdom
T +44 1278 727200, F +44 1278 425644
hse.uk@crcind.com, www.crcind.com

Only Representative

CRC Industries Europe B.V.
Touwslagerstraat 1
9240 Zele
Belgium
T +32(0)52/45.60.11, F +32(0)52/45.00.34
hse@crcind.com, www.crcind.com

1.4. Emergency telephone number

Emergency number : +44 1278 727200
Office hours: 9-17h CET

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Aerosol, Category 1 H222;H229
Aspiration hazard, Category 1 H304
Hazardous to the aquatic environment – Chronic Hazard, Category 2 H411
Full text of H- and EUH-statements: see section 16

Adverse physicochemical, human health and environmental effects

Pressurised container: May burst if heated. Extremely flammable aerosol. Causes serious eye irritation. May be fatal if swallowed and enters airways. Toxic to aquatic life with long lasting effects.

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP) :



GHS02

GHS09

Signal word (CLP) :

Danger

Hazard statements (CLP) :

H222 - Extremely flammable aerosol.
H229 - Pressurised container: May burst if heated.
H411 - Toxic to aquatic life with long lasting effects.
P102 - Keep out of reach of children.
P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources.
No smoking.

Precautionary statements (CLP) :

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EUH-statements	P211 - Do not spray on an open flame or other ignition source.
	P251 - Do not pierce or burn, even after use.
	P410+P412 - Protect from sunlight. Do not expose to temperatures exceeding 50 °C, 122 °F.
	P501 - Dispose of contents/container to a hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.
	: EUH066 - Repeated exposure may cause skin dryness or cracking. EUH208 - Contains Benzene, mono-C10-13-alkyl derivs, distr. residues, sulfonated, barium salts. May produce an allergic reaction.

2.3. Other hazards

Contains no PBT and/or vPvB substances $\geq 0.1\%$ assessed in accordance with REACH Annex XIII

The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or substance(s) are not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 %

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Hydrocarbons, C10-C12, isoalkanes, < 2% aromatics	EC-No.: 923-037-2 REACH-no: 01-2119471991-29	60 – 100	Flam. Liq. 3, H226 Asp. Tox. 1, H304 Aquatic Chronic 2, H411 EUH066
Benzene, mono-C10-13-alkyl derivs., distr. residues, sulfonated, barium salts	EC-No.: 947-582-0 REACH-no: 01-2120767409-42	1 – 5	Skin Sens. 1B, H317
Dipropylene glycol methyl ether substance with national workplace exposure limit(s) (BE); substance with a Community workplace exposure limit	CAS-No.: 34590-94-8 EC-No.: 252-104-2	1 – 5	Not classified
ethanol; ethyl alcohol substance with national workplace exposure limit(s) (BE)	CAS-No.: 64-17-5 EC-No.: 200-578-6 EC Index-No.: 603-002-00-5 REACH-no: 01-2119457610-43	1 – 5	Flam. Liq. 2, H225 Eye Irrit. 2, H319
Carbon dioxide (CO2) (Propellant gas (Aerosol)) substance with national workplace exposure limit(s) (BE); substance with a Community workplace exposure limit	CAS-No.: 124-38-9	1 – 5	Press. Gas (Comp.), H280
2-(2-heptadec-8-enyl-2-imidazoline-1-yl)ethanol	CAS-No.: 95-38-5 EC-No.: 202-414-9 REACH-no: 01-2119777867-13	< 1	Acute Tox. 4 (Oral), H302 (ATE=1265 mg/kg bodyweight) Skin Corr. 1, H314 Eye Dam. 1, H318 STOT RE 2, H373 Aquatic Acute 1, H400 (M=10) Aquatic Chronic 1, H410

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Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
N-methyl-N-[C18-(unsaturated)alkanoyl]glycine	EC-No.: 701-177-3 REACH-no: 01-2119488991-20	< 1	Acute Tox. 4 (Inhalation), H332 (ATE=1,5 mg/l/4h) Skin Irrit. 2, H315 Eye Dam. 1, H318 Aquatic Acute 1, H400 Aquatic Chronic 3, H412

Specific concentration limits:

Name	Product identifier	Specific concentration limits (%)
Benzene, mono-C10-13-alkyl derivs., distn. residues, sulfonated, barium salts	EC-No.: 947-582-0 REACH-no: 01-2120767409-42	(10 ≤ C < 100) Skin Sens. 1B; H317
ethanol; ethyl alcohol	CAS-No.: 64-17-5 EC-No.: 200-578-6 EC Index-No.: 603-002-00-5 REACH-no: 01-2119457610-43	(50 ≤ C < 100) Eye Irrit. 2; H319

Product subject to CLP Annex I, item 1.1.3.7. The disclosure rules of the components is modified in this case.

Full text of H- and EUH-statements: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	: Call a physician immediately.
First-aid measures after inhalation	: Remove person to fresh air and keep comfortable for breathing. If signs/symptoms develop, get medical attention.
First-aid measures after skin contact	: Wash skin with plenty of water. Seek medical attention if irritation develops.
First-aid measures after eye contact	: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. Seek medical attention if irritation develops.
First-aid measures after ingestion	: Do not induce vomiting. Call a physician immediately. Rinse mouth. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs.

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

Symptoms/effects after skin contact	: Repeated exposure may cause skin dryness or cracking.
Symptoms/effects after eye contact	: Eye irritation.
Symptoms/effects after ingestion	: Risk of lung oedema.

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

Provide general supportive measures and treat symptomatically. Keep victim under observation. Symptoms may be delayed.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	: Water spray. Dry powder. Foam. Carbon dioxide.
Unsuitable extinguishing media	: Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

Fire hazard	: Extremely flammable aerosol.
Explosion hazard	: Pressurised container: May burst if heated.

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Hazardous decomposition products in case of fire : During fire, gases hazardous to health may be formed.

5.3. Advice for firefighters

Firefighting instructions : Move containers from fire area if it can be done without personal risk. Use standard firefighting procedures and consider the hazards of other involved materials.

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

For non-emergency personnel

Protective equipment : Wear appropriate protective equipment and clothing during clean-up.

Emergency procedures : Ventilate spillage area. No open flames, no sparks, and no smoking. Avoid contact with skin and eyes.

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".

Emergency procedures : Evacuate unnecessary personnel. Ventilate area.

6.2. Environmental precautions

Avoid release to the environment. Avoid the spillage or runoff entering drains, sewers or watercourses.

6.3. Methods and material for containment and cleaning up

For containment : Collect spillage.

Methods for cleaning up : Mechanically recover the product. For large spills, confine the spill in a dike and charge it with wet sand or earth for subsequent safe disposal. Following product recovery, flush area with water. Take up small spills with dry chemical absorbent. Clean surface thoroughly to remove residual contamination.

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

6.4. Reference to other sections

For disposal of contaminated materials refer to section 13 : "Disposal considerations".

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Ensure good ventilation of the work station. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Do not spray on an open flame or other ignition source. Pressurized container: Do not pierce or burn, even after use. Avoid contact with skin and eyes. Wear personal protective equipment. Avoid prolonged exposure. Handle in accordance with good industrial hygiene and safety procedures.

Hygiene measures : Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Protect from sunlight. Do not expose to temperatures exceeding 50 °C/ 122 °F. Store locked up. Store in a well-ventilated place. Keep cool. Keep container closed when not in use.

7.3. Specific end use(s)

No additional information available

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SECTION 8: Exposure controls/personal protection

8.1. Control parameters

National occupational exposure and biological limit values

Dipropylene glycol methyl ether (34590-94-8)	
EU - Indicative Occupational Exposure Limit (IOEL)	
Local name	(2-Methoxymethylethoxy)-propanol
IOEL TWA	308 mg/m ³
	50 ppm
Remark	Skin
Regulatory reference	COMMISSION DIRECTIVE 2000/39/EC
Belgium - Occupational Exposure Limits	
Local name	Dipropylèneglycolmonométhyléther # Dipropyleenglycolmonomethylether
OEL TWA	308 mg/m ³
	50 ppm
Remark	D: la mention "D" signifie que la résorption de l'agent, via la peau, les muqueuses ou les yeux, constitue une partie importante de l'exposition totale. Cette résorption peut se faire tant par contact direct que par présence de l'agent dans l'air. # D: de vermelding "D" betekent dat de opname van het agens via de huid, de slijmvliezen of de ogen een belangrijk deel van de totale blootstelling vormt. Deze opname kan het gevolg zijn van zowel direct contact als zijn aanwezigheid in de lucht.
Regulatory reference	Koninklijk besluit/Arrêté royal 16/11/2023
ethanol; ethyl alcohol (64-17-5)	
Belgium - Occupational Exposure Limits	
Local name	Alcool éthylique # Ethanol
OEL TWA	1907 mg/m ³
	1000 ppm
Regulatory reference	Koninklijk besluit/Arrêté royal 16/11/2023
Carbon dioxide (CO2) (124-38-9)	
EU - Indicative Occupational Exposure Limit (IOEL)	
Local name	Carbon dioxide
IOEL TWA	9000 mg/m ³
	5000 ppm
Regulatory reference	COMMISSION DIRECTIVE 2006/15/EC
Belgium - Occupational Exposure Limits	
Local name	Carbone (dioxyde de) # Koolstofdioxide
OEL TWA	9131 mg/m ³
	5000 ppm
OEL STEL	54784 mg/m ³
	30000 ppm

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Carbon dioxide (CO2) (124-38-9)	
Remark	A: la mention "A" signifie que l'agent libère un gaz ou une vapeur qui n'ont en eux-mêmes aucun effet physiologique mais peuvent diminuer le taux d'oxygène dans l'air. Lorsque le taux d'oxygène descend en dessous de 17-18 % (vol/vol) le manque d'oxygène provoque des suffocations qu'aucun symptôme préalable n'annonce. # A: de vermelding "A" betekent dat dit agens gas of damp vrijgeeft dat of die op zich geen fysiologische werking heeft, maar het zuurstofgehalte in de lucht verlaagt. Wanneer het zuurstofgehalte daalt onder de 17-18 % (vol/vol), veroorzaakt het zuurstoftekort verstikking, die zich manifesteert zonder dat er een waarschuwing aan voorafgaat.
Regulatory reference	Koninklijk besluit/Arrêté royal 16/11/2023

DNEL and PNEC

2-(2-heptadec-8-enyl-2-imidazoline-1-yl)ethanol (95-38-5)	
DNEL/DMEL (Workers)	
Acute - systemic effects, dermal	2 mg/kg bodyweight/day
Acute - systemic effects, inhalation	14 mg/m³
Long-term - systemic effects, dermal	0,06 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	0,46 mg/m³
PNEC (Water)	
PNEC aqua (freshwater)	0,00003 mg/l
PNEC aqua (marine water)	0,000003 mg/l
PNEC aqua (intermittent, freshwater)	0,0003 mg/l
PNEC (Sediment)	
PNEC sediment (freshwater)	0,376 mg/kg dwt
PNEC sediment (marine water)	0,0376 mg/kg dwt
PNEC (Soil)	
PNEC soil	0,075 mg/kg dwt
PNEC (STP)	
PNEC sewage treatment plant	0,27 mg/l
Benzene, mono-C10-13-alkyl derivs., distn. residues, sulfonated, barium salts	
DNEL/DMEL (Workers)	
Long-term - systemic effects, dermal	25 mg/kg bodyweight/day
Long-term - local effects, dermal	1,05 mg/cm²
Long-term - systemic effects, inhalation	17,63 mg/m³
DNEL/DMEL (General population)	
Long-term - systemic effects, oral	2,5 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	4,35 mg/m³
Long-term - systemic effects, dermal	12,5 mg/kg bodyweight/day
Long-term - local effects, dermal	0,526 mg/cm²
PNEC (Water)	
PNEC aqua (freshwater)	0,1 mg/l
PNEC aqua (marine water)	0,1 mg/l
PNEC aqua (intermittent, freshwater)	1 mg/l

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Benzene, mono-C10-13-alkyl derivs., distn. residues, sulfonated, barium salts	
PNEC aqua (intermittent, marine water)	1 mg/l
PNEC (Sediment)	
PNEC sediment (freshwater)	76,37 mg/kg dwt
PNEC sediment (marine water)	76,37 mg/kg dwt
PNEC (Soil)	
PNEC soil	15,17 mg/kg dwt
PNEC (STP)	
PNEC sewage treatment plant	1000 mg/l
Dipropylene glycol methyl ether (34590-94-8)	
DNEL/DMEL (Workers)	
Long-term - systemic effects, dermal	283 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	308 mg/m³
DNEL/DMEL (General population)	
Long-term - systemic effects,oral	36 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	37,2 mg/m³
Long-term - systemic effects, dermal	121 mg/kg bodyweight/day
PNEC (Water)	
PNEC aqua (freshwater)	19 mg/l
PNEC aqua (marine water)	1,9 mg/l
PNEC aqua (intermittent, freshwater)	190 mg/l
PNEC (Sediment)	
PNEC sediment (freshwater)	70,2 mg/kg dwt
PNEC sediment (marine water)	7,02 mg/kg dwt
PNEC (Soil)	
PNEC soil	2,74 mg/kg dwt
PNEC (STP)	
PNEC sewage treatment plant	4168 mg/l
Docosate sodium (577-11-7)	
DNEL/DMEL (Workers)	
Long-term - systemic effects, dermal	267,86 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	1889,1 mg/m³
DNEL/DMEL (General population)	
Long-term - systemic effects,oral	17,86 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	559,01 mg/m³
Long-term - systemic effects, dermal	160,71 mg/kg bodyweight/day
PNEC (Water)	
PNEC aqua (freshwater)	0,18 mg/l
PNEC aqua (marine water)	0,018 mg/l

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Docusate sodium (577-11-7)	
PNEC aqua (intermittent, freshwater)	0,152 mg/l
PNEC (Sediment)	
PNEC sediment (freshwater)	17,789 mg/kg dwt
PNEC sediment (marine water)	1,7789 mg/kg dwt
PNEC (Soil)	
PNEC soil	1,04 mg/kg dwt
PNEC (STP)	
PNEC sewage treatment plant	12,2 mg/l
ethanol; ethyl alcohol (64-17-5)	
DNEL/DMEL (Workers)	
Acute - local effects, inhalation	1900 mg/m ³
Long-term - systemic effects, dermal	343 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	950 mg/m ³
DNEL/DMEL (General population)	
Acute - local effects, inhalation	950 mg/m ³
Long-term - systemic effects,oral	87 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	114 mg/m ³
Long-term - systemic effects, dermal	206 mg/kg bodyweight/day
PNEC (Water)	
PNEC aqua (freshwater)	0,96 mg/l
PNEC aqua (marine water)	0,79 mg/l
PNEC aqua (intermittent, freshwater)	2,75 mg/l
PNEC (Sediment)	
PNEC sediment (freshwater)	3,6 mg/kg dwt
PNEC sediment (marine water)	2,9 mg/kg dwt
PNEC (Soil)	
PNEC soil	0,63 mg/kg dwt
PNEC (Oral)	
PNEC oral (secondary poisoning)	0,72 g/kg food
PNEC (STP)	
PNEC sewage treatment plant	580 mg/l
N-methyl-N-[C18-(unsaturated)alkanoyl]glycine	
DNEL/DMEL (Workers)	
Long-term - systemic effects, dermal	4,2 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	0,8 mg/m ³
DNEL/DMEL (General population)	
Long-term - systemic effects,oral	1,5 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	0,4 mg/m ³

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N-methyl-N-[C18-(unsaturated)alkanoyl]glycine	
Long-term - systemic effects, dermal	1,5 mg/kg bodyweight/day
PNEC (Water)	
PNEC aqua (freshwater)	0,00366 mg/l
PNEC aqua (marine water)	0,000366 mg/l
PNEC aqua (intermittent, freshwater)	0,0043 mg/l
PNEC aqua (intermittent, marine water)	0,00043 mg/l
PNEC (Sediment)	
PNEC sediment (freshwater)	0,0568 mg/kg dwt
PNEC sediment (marine water)	0,00568 mg/kg dwt
PNEC (Soil)	
PNEC soil	1,71 mg/kg dwt
PNEC (STP)	
PNEC sewage treatment plant	1 mg/l

8.2. Exposure controls

Appropriate engineering controls

Appropriate engineering controls:

Good general ventilation should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.

Personal protection equipment

Personal protective equipment symbol(s):



Eye and face protection

Eye protection:

Use eye protection according to EN 166. Safety glasses with side shields.

Skin protection

Skin and body protection:

Wear suitable protective clothing

Hand protection:

Wear suitable gloves tested to EN374. The breakthrough time of the glove should be longer than the total duration of product use. If work lasts longer than the breakthrough time, gloves should be changed part-way through. Nitrile gloves are recommended.

Respiratory protection

Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment. Approved organic vapour respirator. Filter type: A

Thermal hazards

Thermal hazard protection:

Not expected to present a significant hazard under anticipated conditions of normal use. Wear appropriate thermal protective clothing, when necessary.

Environmental exposure controls

Environmental exposure controls:

Avoid release to the environment. Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation.

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SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Colour	: Brown.
Appearance	: CO2 propelled liquid.
Molecular mass	: Not available
Odour	: Characteristic.
Odour threshold	: Not available
Melting point	: No data available
Freezing point	: Not available
Boiling point	: 77 °C
Flammability	: Extremely flammable aerosol.
Explosive properties	: Pressurised container: May burst if heated.
Lower explosion limit	: 0,6 vol %
Upper explosion limit	: 19 vol %
Flash point	: 39 °C (closed cup)
Auto-ignition temperature	: > 200 °C
Decomposition temperature	: Not available
pH	: Not applicable
Viscosity, kinematic	: < 20,5 mm²/s at 40 °C
Solubility	: Insoluble in water.
Partition coefficient n-octanol/water (Log Kow)	: Not applicable
Vapour pressure	: Not available
Vapour pressure at 50°C	: Not available
Density	: 0,81 g/cm³ at 20 °C
Relative density	: 0,81 at 20 °C
Relative vapour density at 20°C	: Not available
Particle characteristics	: Not applicable

9.2. Other information

Information with regard to physical hazard classes

% of flammable ingredients : 50 – 75 %

Other safety characteristics

VOC content : 602 g/l
Additional information : For aerosols data for the product without propellant.

SECTION 10: Stability and reactivity

10.1. Reactivity

Extremely flammable aerosol. Pressurised container: May burst if heated.

10.2. Chemical stability

Stable under normal conditions.
Hardening time : Not applicable.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

Avoid contact with hot surfaces. Heat. No flames, no sparks. Eliminate all sources of ignition.

10.5. Incompatible materials

Strong oxidizing agents.

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10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced. Carbon oxides (CO, CO₂).

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity (oral)	: Not classified (Based on available data, the classification criteria are not met)
Acute toxicity (dermal)	: Not classified (Based on available data, the classification criteria are not met)
Acute toxicity (inhalation)	: Not classified (Based on available data, the classification criteria are not met)

2-(2-heptadec-8-enyl-2-imidazoline-1-yl)ethanol (95-38-5)

LD50 oral rat	1265 mg/kg
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Benzene, mono-C10-13-alkyl derivs., distn. residues, sulfonated, barium salts

LD50 oral rat	10000 – 20000 mg/kg bodyweight
LD50 dermal rat	> 2000 mg/kg bodyweight

Dipropylene glycol methyl ether (34590-94-8)

LD50 oral rat	> 5000 mg/kg bodyweight
LD50 dermal rabbit	9510 mg/kg bodyweight

Hydrocarbons, C10-C12, isoalkanes, < 2% aromatics

LD50 oral rat	> 5000 mg/kg bodyweight
LD50 dermal rabbit	2200 – 2500 mg/kg bodyweight

ethanol; ethyl alcohol (64-17-5)

LD50 oral rat	15010 mg/kg bodyweight
LD50 dermal	15800 mg/kg bodyweight
LC50 Inhalation - Rat (Vapours)	> 116,9 mg/l/4h

N-methyl-N-[C18-(unsaturated)alkanoyl]glycine

LD50 oral rat	> 5000 mg/kg bodyweight
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Skin corrosion/irritation	: Not classified (Based on available data, the classification criteria are not met) pH: Not applicable
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2-(2-heptadec-8-enyl-2-imidazoline-1-yl)ethanol (95-38-5)

pH	11,1
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Benzene, mono-C10-13-alkyl derivs., distn. residues, sulfonated, barium salts

pH	Not applicable
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Serious eye damage/irritation	: Not classified (Based on available data, the classification criteria are not met) pH: Not applicable
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2-(2-heptadec-8-enyl-2-imidazoline-1-yl)ethanol (95-38-5)

pH	11,1
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Benzene, mono-C10-13-alkyl derivs., distn. residues, sulfonated, barium salts

pH	Not applicable
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Respiratory or skin sensitisation	: Not classified (Based on available data, the classification criteria are not met)
Germ cell mutagenicity	: Not classified (Based on available data, the classification criteria are not met)
Carcinogenicity	: Not classified (Based on available data, the classification criteria are not met)
Reproductive toxicity	: Not classified (Based on available data, the classification criteria are not met)
STOT-single exposure	: Not classified (Based on available data, the classification criteria are not met)

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STOT-repeated exposure : Not classified (Based on available data, the classification criteria are not met)

2-(2-heptadec-8-enyl-2-imidazoline-1-yl)ethanol (95-38-5)

NOAEL (oral, rat, 90 days)	20 mg/kg bodyweight
STOT-repeated exposure	May cause damage to organs through prolonged or repeated exposure.

Benzene, mono-C10-13-alkyl derivs., distn. residues, sulfonated, barium salts

NOAEL (oral, rat, 90 days)	> 500 mg/kg bodyweight
NOAEL (dermal, rat/rabbit, 90 days)	> 1000 mg/kg bodyweight

Hydrocarbons, C10-C12, isoalkanes, < 2% aromatics

NOAEL (oral, rat, 90 days)	> 1000 mg/kg bodyweight
NOAEC (inhalation, rat, vapour, 90 days)	> 10,4 mg/l air

ethanol; ethyl alcohol (64-17-5)

NOAEL (subchronic, oral, animal/female, 90 days)	> 9400 mg/kg bodyweight
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Aspiration hazard : May be fatal if swallowed and enters airways.

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Vaporizer	Aerosol
Viscosity, kinematic	< 20,5 mm²/s at 40 °C

Hydrocarbons, C10-C12, isoalkanes, < 2% aromatics

Viscosity, kinematic	1,19 mm²/s
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N-methyl-N-[C18-(unsaturated)alkanoyl]glycine

Viscosity, kinematic	1458,333 mm²/s
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11.2. Information on other hazards

Endocrine disrupting properties

Adverse health effects caused by endocrine disrupting properties : The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or substance(s) are not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 %

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : Toxic to aquatic life with long lasting effects.
Hazardous to the aquatic environment, short-term (acute) : Not classified (Based on available data, the classification criteria are not met)
Hazardous to the aquatic environment, long-term (chronic) : Toxic to aquatic life with long lasting effects.

2-(2-heptadec-8-enyl-2-imidazoline-1-yl)ethanol (95-38-5)

LC50 - Fish [1]	0,3 mg/l
EC50 - Crustacea [1]	0,163 mg/l Daphnia magna (Water flea)
EC50 72h - Algae [1]	0,03 mg/l

Dipropylene glycol methyl ether (34590-94-8)

LC50 - Fish [1]	> 10000 mg/l
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Dipropylene glycol methyl ether (34590-94-8)

EC50 - Crustacea [1]	1919 mg/l Daphnia magna (Water flea)
EC50 96h - Algae [1]	> 969 mg/l
NOEC (chronic)	≥ 0,5 mg/l Daphnia magna (22 d)
NOEC chronic algae	> 969 mg/l

Hydrocarbons, C10-C12, isoalkanes, < 2% aromatics

LC50 - Fish [1]	1000 mg/l
EC50 - Crustacea [1]	1000 mg/l Daphnia magna (Water flea)
EC50 72h - Algae [1]	1000 mg/l
NOEC chronic crustacea	< 1 mg/l Daphnia magna (Water flea)

ethanol; ethyl alcohol (64-17-5)

LC50 - Fish [1]	14,2 g/l
EC50 - Other aquatic organisms [1]	5012 mg/l
ErC50 algae	275 mg/l
NOEC (chronic)	9,6 mg/l

N-methyl-N-[C18-(unsaturated)alkanoyl]glycine

EC50 - Crustacea [1]	0,43 mg/l Daphnia magna
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12.2. Persistence and degradability

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Persistence and degradability	Not established. No data is available on the degradability of this product.
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12.3. Bioaccumulative potential

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Partition coefficient n-octanol/water (Log Kow)	Not applicable
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2-(2-heptadec-8-enyl-2-imidazoline-1-yl)ethanol (95-38-5)

Partition coefficient n-octanol/water (Log Pow)	7,51
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Hydrocarbons, C10-C12, isoalkanes, < 2% aromatics

Partition coefficient n-octanol/water (Log Pow)	≥ 4
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ethanol; ethyl alcohol (64-17-5)

Partition coefficient n-octanol/water (Log Pow)	-0,32
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Carbon dioxide (CO2) (124-38-9)

Partition coefficient n-octanol/water (Log Pow)	0,83
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12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

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Results of PBT assessment	Contains no PBT and/or vPvB substances ≥ 0.1% assessed in accordance with REACH Annex XIII
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12.6. Endocrine disrupting properties

Adverse effects on the environment caused by endocrine disrupting properties : The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or substance(s) are not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 %.

12.7. Other adverse effects

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Other information	No other effects known
Global warming potential (GWP)	0.03 (Fluorinated greenhouse gases - (EC) No 2024/573)

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.
European List of Waste (LoW, EC 2000/532) : According to the European Waste Catalogue (EWC), Waste Codes are not product specific, but application specific Waste codes should be assigned by the user based on the application for which the product was used.

SECTION 14: Transport information

In accordance with ADR / IMDG / IATA / ADN / RID

ADR	IMDG	IATA	ADN	RID
14.1. UN number or ID number				
UN 1950	UN 1950	UN 1950	UN 1950	UN 1950
14.2. UN proper shipping name				
AEROSOLS	AEROSOLS	Aerosols, flammable	AEROSOLS	AEROSOLS
Transport document description				
UN 1950 AEROSOLS, 2.1, (D), ENVIRONMENTALLY HAZARDOUS	UN 1950 AEROSOLS, 2.1, MARINE POLLUTANT/ENVIRONMENTALLY HAZARDOUS	UN 1950 Aerosols, flammable, 2.1, ENVIRONMENTALLY HAZARDOUS	UN 1950 AEROSOLS, 2.1, ENVIRONMENTALLY HAZARDOUS	UN 1950 AEROSOLS, 2.1, ENVIRONMENTALLY HAZARDOUS
14.3. Transport hazard class(es)				
2.1	2.1	2.1	2.1	2.1
14.4. Packing group				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.5. Environmental hazards				
Dangerous for the environment: Yes	Dangerous for the environment: Yes Marine pollutant: Yes EmS-No. (Fire): F-D EmS-No. (Spillage): S-U	Dangerous for the environment: Yes	Dangerous for the environment: Yes	Dangerous for the environment: Yes

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ADR	IMDG	IATA	ADN	RID
No supplementary information available				

14.6. Special precautions for user

Overland transport

Classification code (ADR)	: 5F
Special provisions (ADR)	: 190, 327, 344, 625
Limited quantities (ADR)	: 1I
Excepted quantities (ADR)	: E0
Packing instructions (ADR)	: P207, LP200
Special packing provisions (ADR)	: PP87, RR6, L2
Mixed packing provisions (ADR)	: MP9
Transport category (ADR)	: 2
Special provisions for carriage - Packages (ADR)	: V14
Special provisions for carriage - Loading, unloading and handling (ADR)	: CV9, CV12
Special provisions for carriage - Operation (ADR)	: S2
Tunnel restriction code (ADR)	: D

Transport by sea

Special provisions (IMDG)	: 63, 190, 277, 327, 344, 381, 959
Limited quantities (IMDG)	: SP277
Excepted quantities (IMDG)	: E0
Packing instructions (IMDG)	: P207, LP200
Special packing provisions (IMDG)	: PP87, L2
Stowage category (IMDG)	: None
Stowage and handling (IMDG)	: SW1, SW22
Segregation (IMDG)	: SG69

Air transport

PCA Excepted quantities (IATA)	: E0
PCA Limited quantities (IATA)	: Y203
PCA limited quantity max net quantity (IATA)	: 30kgG
PCA packing instructions (IATA)	: 203
PCA max net quantity (IATA)	: 75kg
CAO packing instructions (IATA)	: 203
CAO max net quantity (IATA)	: 150kg
Special provisions (IATA)	: A145, A167, A802
ERG code (IATA)	: 10L

Inland waterway transport

Classification code (ADN)	: 5F
Special provisions (ADN)	: 190, 327, 344, 625
Limited quantities (ADN)	: 1 L
Excepted quantities (ADN)	: E0
Equipment required (ADN)	: PP, EX, A
Ventilation (ADN)	: VE01, VE04
Number of blue cones/lights (ADN)	: 1

Rail transport

Classification code (RID)	: 5F
Special provisions (RID)	: 190, 327, 344, 625
Limited quantities (RID)	: 1L
Excepted quantities (RID)	: E0
Packing instructions (RID)	: P207, LP200
Special packing provisions (RID)	: PP87, RR6, L2
Mixed packing provisions (RID)	: MP9
Transport category (RID)	: 2
Special provisions for carriage – Packages (RID)	: W14
Special provisions for carriage - Loading, unloading and handling (RID)	: CW9, CW12

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Colis express (express parcels) (RID) : CE2
Hazard identification number (RID) : 23

14.7. Maritime transport in bulk according to IMO instruments

Not applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

EU-Regulations

REACH Annex XVII (Restriction List)

Contains no substance(s) listed on REACH Annex XVII (Restriction Conditions)

REACH Annex XIV (Authorisation List)

Contains no substance(s) listed on REACH Annex XIV (Authorisation List)

REACH Candidate List (SVHC)

Contains no substance(s) listed on the REACH Candidate List

PIC Regulation (Prior Informed Consent)

Contains no substance(s) listed on the PIC list (Regulation EU 649/2012 concerning the export and import of hazardous chemicals)

POP Regulation (Persistent Organic Pollutants)

Contains no substance(s) listed on the POP list (Regulation EU 2019/1021 on persistent organic pollutants)

Ozone Regulation (2024/590)

Contains no substance(s) listed on the Ozone Depletion list (Regulation EU 2024/590 on substances that deplete the ozone layer)

Council Regulation (EC) for the control of dual-use items

Contains no substance subject to the COUNCIL REGULATION (EC) for the control of dual-use items

VOC Directive (2004/42)

VOC content : 602 g/l

Explosives Precursors Regulation (2019/1148)

Contains no substance(s) listed on the Explosives Precursors list (Regulation EU 2019/1148 on the marketing and use of explosives precursors)

Drug Precursors Regulation (273/2004)

Contains no substance(s) listed on the Drug Precursors list (Regulation EC 273/2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances)

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Indication of changes

Section	Changed item	Comments
2.1	Classification according to Regulation (EC) No. 1272/2008 [CLP]	Modified
2.2	Hazard pictograms (CLP)	Modified
2.2	Hazard statements (CLP)	Modified

Abbreviations and acronyms:

ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
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Abbreviations and acronyms:	
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
ATE	Acute Toxicity Estimate
BCF	Bioconcentration factor
BLV	Biological limit value
BOD	Biochemical oxygen demand (BOD)
COD	Chemical oxygen demand (COD)
DMEL	Derived Minimal Effect level
DNEL	Derived-No Effect Level
EC-No.	European Community number
EC50	Median effective concentration
EN	European Standard
IARC	International Agency for Research on Cancer
IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods
LC50	Median lethal concentration
LD50	Median lethal dose
LOAEL	Lowest Observed Adverse Effect Level
NOAEC	No-Observed Adverse Effect Concentration
NOAEL	No-Observed Adverse Effect Level
NOEC	No-Observed Effect Concentration
OECD	Organisation for Economic Co-operation and Development
OEL	Occupational Exposure Limit
PBT	Persistent Bioaccumulative Toxic
PNEC	Predicted No-Effect Concentration
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail
SDS	Safety Data Sheet
STP	Sewage treatment plant
ThOD	Theoretical oxygen demand (ThOD)
TLM	Median Tolerance Limit
VOC	Volatile Organic Compounds
CAS-No.	Chemical Abstract Service number
N.O.S.	Not Otherwise Specified
vPvB	Very Persistent and Very Bioaccumulative
ED	Endocrine disruptor

Full text of H- and EUH-statements:	
Acute Tox. 4 (Inhalation)	Acute toxicity (inhal.), Category 4
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Aerosol 1	Aerosol, Category 1

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Full text of H- and EUH-statements:	
Aquatic Acute 1	Hazardous to the aquatic environment – Acute Hazard, Category 1
Aquatic Chronic 1	Hazardous to the aquatic environment – Chronic Hazard, Category 1
Aquatic Chronic 2	Hazardous to the aquatic environment – Chronic Hazard, Category 2
Aquatic Chronic 3	Hazardous to the aquatic environment – Chronic Hazard, Category 3
Asp. Tox. 1	Aspiration hazard, Category 1
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Flam. Liq. 2	Flammable liquids, Category 2
Flam. Liq. 3	Flammable liquids, Category 3
Press. Gas (Comp.)	Gases under pressure : Compressed gas
Skin Corr. 1	Skin corrosion/irritation, Category 1
Skin Irrit. 2	Skin corrosion/irritation, Category 2
Skin Sens. 1B	Skin sensitisation, category 1B
STOT RE 2	Specific target organ toxicity – Repeated exposure, Category 2
H222	Extremely flammable aerosol.
H225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.
H229	Pressurised container: May burst if heated.
H280	Contains gas under pressure; may explode if heated.
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H373	May cause damage to organs through prolonged or repeated exposure.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.
EUH066	Repeated exposure may cause skin dryness or cracking.
EUH208	Contains Benzene, mono-C10-13-alkyl derivs, distn. residues, sulfonated, barium salts. May produce an allergic reaction.

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