



# GEL 452

## Safety Data Sheet

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

#### 1.1. Product identifier

Product name : GEL 452  
Product code : BDS000842BU

#### 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 : lubricants

#### 1.3. Details of the supplier of the safety data sheet

##### Supplier

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](mailto:hse@crcind.com), [www.crcind.com](http://www.crcind.com)

#### 1.4. Emergency telephone number

Emergency number : +32(0)52/45.60.11  
Office hours: 9-17h CET

Country/Area	Organisation/Company	Address	Emergency number	Comment
Belgium	Centre Anti-Poisons/Antigifcentrum c/o Hôpital Militaire Reine Astrid	Rue Bruyn 1 1120 Brussels	+32 70 245 245	Please dial: 070 245 245 for any urgent questions about intoxication (free of charge 24/7), if not accessible, dial: 02 264 96 30 (standard fee)

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

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

Hazardous to the aquatic environment – Chronic Hazard, H412  
Category 3  
Full text of H- and EUH-statements: see section 16

##### Adverse physicochemical, human health and environmental effects

Harmful to aquatic life with long lasting effects.

#### 2.2. Label elements

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

Signal word (CLP) : -  
Hazard statements (CLP) : H412 - Harmful to aquatic life with long lasting effects.  
Precautionary statements (CLP) : P273 - Avoid release to the environment.  
P501 - Dispose of contents/container to a hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.  
EUH-statements : EUH208 - Contains Naphthenic acids, zinc salts (12001-85-3), Reaction products of 2,5-dimercapto-1,3,4-thiadiazole, sodium salt, with 1-octanethiol and hydrogen peroxide, N, N-

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according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

bis(2-ethylhexyl)-((1,2,4- triazol-1-yl)methyl)amine (91273-04-0). 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]
Silver Powder substance with national workplace exposure limit(s) (BE); substance with a Community workplace exposure limit	CAS-No.: 7440-22-4 EC-No.: 231-131-3 REACH-no: 01-2119555669-21	< 2,5	Aquatic Acute 1, H400 Aquatic Chronic 1, H410
Naphthenic acids, zinc salts	CAS-No.: 12001-85-3 EC-No.: 234-409-2 REACH-no: 01-2120783834-41	< 1	Eye Irrit. 2, H319 Skin Sens. 1, H317 Aquatic Chronic 2, H411
Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene	CAS-No.: 68411-46-1 EC-No.: 270-128-1 REACH-no: 01-2119491299-23	< 1	Repr. 2, H361f
Reaction products of 2,5-dimercapto-1,3,4-thiadiazole, sodium salt, with 1-octanethiol and hydrogen peroxide	EC-No.: 948-020-7 REACH-no: 01-2120792779-28	< 0,1	Acute Tox. 4 (Inhalation:dust,mist), H332 (ATE=3,08 mg/l/4h) Skin Irrit. 2, H315 Skin Sens. 1A, H317 Aquatic Chronic 4, H413
N, N-bis(2-ethylhexyl)-((1,2,4- triazol-1-yl)methyl)amine	CAS-No.: 91273-04-0 EC-No.: 401-280-0 EC Index-No.: 613-072-00-9 REACH-no: 01-0000015116-78	< 0,1	Skin Corr. 1B, H314 Skin Sens. 1A, H317 Aquatic Acute 1, H400 Aquatic Chronic 1, H410

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 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 eyes with water as a precaution. Seek medical attention if irritation develops.
First-aid measures after ingestion	: Call a poison center or a doctor if you feel unwell.

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

No additional information available

### 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.

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### 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

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.

##### 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

Methods for cleaning up : 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 : Wear personal protective equipment. Ensure good ventilation of the work station. 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 : 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

Silver Powder (7440-22-4)	
<b>EU - Indicative Occupational Exposure Limit (IOEL)</b>	
Local name	Silver, metallic
IOEL TWA	0,1 mg/m <sup>3</sup>
Regulatory reference	COMMISSION DIRECTIVE 2000/39/EC
<b>Belgium - Occupational Exposure Limits</b>	
Local name	Argent # Zilver
OEL TWA	0,01 mg/m <sup>3</sup> (composés solubles) (en Ag) # (oplosbare verbindingen) (als Ag) 0,1 mg/m <sup>3</sup> (métal) # (metaal)
Regulatory reference	Koninklijk besluit/Arrêté royal 16/11/2023

##### DNEL and PNEC

Silver Powder (7440-22-4)	
<b>DNEL/DMEL (Workers)</b>	
Long-term - systemic effects, inhalation	0,1 mg/m <sup>3</sup>
<b>DNEL/DMEL (General population)</b>	
Long-term - systemic effects, oral	1,2 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	0,04 mg/m <sup>3</sup>
<b>PNEC (Water)</b>	
PNEC aqua (freshwater)	0,04 µg/l
PNEC aqua (marine water)	0,86 µg/l
<b>PNEC (Sediment)</b>	
PNEC sediment (freshwater)	438,13 mg/kg dwt
PNEC sediment (marine water)	438,13 mg/kg dwt
<b>PNEC (Soil)</b>	
PNEC soil	1,41 mg/kg dwt
<b>PNEC (STP)</b>	
PNEC sewage treatment plant	0,025 mg/l
<b>Naphthenic acids, zinc salts (12001-85-3)</b>	
<b>DNEL/DMEL (Workers)</b>	
Long-term - systemic effects, dermal	3,3 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	1,18 mg/m <sup>3</sup>
<b>DNEL/DMEL (General population)</b>	
Long-term - systemic effects, oral	0,17 ng/kg bodyweight/day
Long-term - systemic effects, inhalation	0,29 mg/m <sup>3</sup>
Long-term - systemic effects, dermal	1,7 mg/kg bodyweight/day

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<b>Reaction products of 2,5-dimercapto-1,3,4-thiadiazole, sodium salt, with 1-octanethiol and hydrogen peroxide</b>	
<b>DNEL/DMEL (Workers)</b>	
Long-term - systemic effects, dermal	1,54 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	5,43 mg/m <sup>3</sup>
<b>DNEL/DMEL (General population)</b>	
Long-term - systemic effects, oral	0,55 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	0,957 mg/m <sup>3</sup>
Long-term - systemic effects, dermal	0,55 mg/kg bodyweight/day
<b>N, N-bis(2-ethylhexyl)-((1,2,4- triazol-1-yl)methyl)amine (91273-04-0)</b>	
<b>DNEL/DMEL (Workers)</b>	
Long-term - systemic effects, dermal	0,5 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	1,76 mg/m <sup>3</sup>
<b>DNEL/DMEL (General population)</b>	
Long-term - systemic effects, oral	0,25 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	0,43 mg/m <sup>3</sup>
Long-term - systemic effects, dermal	0,25 mg/kg bodyweight/day
<b>PNEC (Water)</b>	
PNEC aqua (freshwater)	0,00138 mg/l
PNEC aqua (marine water)	0,000138 mg/l
PNEC aqua (intermittent, freshwater)	0,01 mg/l
<b>PNEC (Sediment)</b>	
PNEC sediment (freshwater)	0,567 mg/kg dwt
PNEC sediment (marine water)	0,0567 mg/kg dwt
<b>PNEC (Soil)</b>	
PNEC soil	0,2 mg/kg dwt
<b>PNEC (STP)</b>	
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.

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### 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. Vinyl polyalcohol protective gloves

### Respiratory protection

#### Respiratory protection:

No respiratory protection needed under normal use conditions. 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.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Colour	: Grey.
Appearance	: Grease.
Odour	: characteristic.
Odour threshold	: Not available
Melting point	: No data available
Freezing point	: Not available
Boiling point	: Not available
Flammability	: Non flammable.
Lower explosion limit	: Not available
Upper explosion limit	: Not available
Flash point	: Not applicable
Auto-ignition temperature	: > 200 °C
Decomposition temperature	: Not available
pH	: Not applicable
Viscosity, kinematic	: Not available
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	: 0,925 g/cm <sup>3</sup> at 20 °C
Relative density	: 0,93 at 20 °C
Relative vapour density at 20°C	: Not available
Particle characteristics	: Not applicable

### 9.2. Other information

#### Other safety characteristics

VOC content : 0 g/l

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

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

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### 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

None under recommended storage and handling conditions (see section 7). Avoid temperatures exceeding the flash point.

### 10.5. Incompatible materials

Strong oxidizing agents.

### 10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced. Carbon oxides (CO, CO<sub>2</sub>).

## 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)

#### Silver Powder (7440-22-4)

LD50 oral rat	> 2000 mg/kg
LD50 dermal rat	> 2000 mg/kg
LC50 Inhalation - Rat	> 5,16 mg/l/4h

#### Naphthenic acids, zinc salts (12001-85-3)

LD50 oral rat	> 2000 mg/kg bodyweight
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#### Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene (68411-46-1)

LD50 oral rat	> 5000 mg/kg bodyweight
LD50 dermal rat	> 2000 mg/kg bodyweight

#### Reaction products of 2,5-dimercapto-1,3,4-thiadiazole, sodium salt, with 1-octanethiol and hydrogen peroxide

LD50 oral rat	> 5000 mg/kg bodyweight
LD50 dermal rabbit	> 2000 mg/kg bodyweight
LC50 Inhalation - Rat	3,08 mg/l/4h

#### N, N-bis(2-ethylhexyl)-((1,2,4- triazol-1-yl)methyl)amine (91273-04-0)

LD50 oral rat	> 2000 mg/kg
LD50 dermal rat	> 2000 mg/kg bodyweight

**Skin corrosion/irritation** : Not classified (Based on available data, the classification criteria are not met)  
pH: Not applicable

#### Naphthenic acids, zinc salts (12001-85-3)

pH	5 – 9
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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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<b>Naphthenic acids, zinc salts (12001-85-3)</b>	
pH	5 – 9
<b>Respiratory or skin sensitisation</b>	: Not classified (Based on available data, the classification criteria are not met)
<b>Germ cell mutagenicity</b>	: Not classified (Based on available data, the classification criteria are not met)
<b>Carcinogenicity</b>	: Not classified (Based on available data, the classification criteria are not met)
<b>Reproductive toxicity</b>	: Not classified (Based on available data, the classification criteria are not met)
<b>N, N-bis(2-ethylhexyl)-((1,2,4- triazol-1-yl)methyl)amine (91273-04-0)</b>	
NOAEL (animal/male, F0/P)	100 mg/kg bodyweight
NOAEL (animal/male, F1)	100 mg/kg bodyweight
<b>STOT-single exposure</b>	: Not classified (Based on available data, the classification criteria are not met)
<b>STOT-repeated exposure</b>	: Not classified (Based on available data, the classification criteria are not met)
<b>Silver Powder (7440-22-4)</b>	
LOAEL (oral, rat, 90 days)	125 mg/kg bodyweight
<b>Reaction products of 2,5-dimercapto-1,3,4-thiadiazole, sodium salt, with 1-octanethiol and hydrogen peroxide</b>	
NOAEL (oral, rat, 90 days)	330 mg/kg bodyweight
<b>Aspiration hazard</b>	: Not classified (Based on available data, the classification criteria are not met)
<b>Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene (68411-46-1)</b>	
Viscosity, kinematic	352,7 mm <sup>2</sup> /s

### 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 : Harmful 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) : Harmful to aquatic life with long lasting effects.

<b>Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene (68411-46-1)</b>	
LC50 - Fish [1]	> 100 mg/l
EC50 72h - Algae [1]	> 100 mg/l
ErC50 algae	600 mg/l
<b>N, N-bis(2-ethylhexyl)-((1,2,4- triazol-1-yl)methyl)amine (91273-04-0)</b>	
LC50 - Fish [1]	1,1 mg/l Danio rerio
EC50 - Crustacea [1]	2,2 mg/l Daphnia magna
EC50 72h - Algae [1]	0,66 mg/l Desmodesmus subspicatus
ErC50 algae	0,96 mg/l
NOEC chronic fish	> 100 mg/l (28 d)

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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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#### Naphthenic acids, zinc salts (12001-85-3)

Partition coefficient n-octanol/water (Log Pow)	0,8
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#### Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene (68411-46-1)

Partition coefficient n-octanol/water (Log Pow)	7,05
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### 12.4. Mobility in soil

No additional information available

### 12.5. Results of PBT and vPvB assessment

#### GEL 452

Results of PBT assessment	Contains no PBT and/or vPvB substances $\geq 0.1\%$ 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

Additional information : No other effects known

## 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
<b>14.1. UN number or ID number</b>				
Not regulated for transport				
<b>14.2. UN proper shipping name</b>				
Not regulated.	Not regulated.	Not regulated.	Not regulated.	Not regulated.

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ADR	IMDG	IATA	ADN	RID
<b>14.3. Transport hazard class(es)</b>				
Not regulated.	Not regulated.	Not regulated.	Not regulated.	Not regulated.
<b>14.4. Packing group</b>				
Not regulated.	Not regulated.	Not regulated.	Not regulated.	Not regulated.
<b>14.5. Environmental hazards</b>				
Not regulated.	Not regulated.	Not regulated.	Not regulated.	Not regulated.
No supplementary information available				

### 14.6. Special precautions for user

#### Overland transport

Not regulated.

#### Transport by sea

Not regulated.

#### Air transport

Not regulated.

#### Inland waterway transport

Not regulated.

#### Rail transport

Not regulated.

### 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 (1005/2009)

Contains no substance(s) listed on the Ozone Depletion list (Regulation EU 1005/2009 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 : 0 g/l

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### 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

### 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
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

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Abbreviations and acronyms:	
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:dust,mist)	Acute toxicity (inhalation:dust,mist) Category 4
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
Aquatic Chronic 4	Hazardous to the aquatic environment – Chronic Hazard, Category 4
EUH208	Contains Naphthenic acids, zinc salts (12001-85-3), Reaction products of 2,5-dimercapto-1,3,4-thiadiazole, sodium salt, with 1-octanethiol and hydrogen peroxide, N, N-bis(2-ethylhexyl)-((1,2,4- triazol-1-yl)methyl)amine (91273-04-0). May produce an allergic reaction.
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H361f	Suspected of damaging fertility.
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.
H413	May cause long lasting harmful effects to aquatic life.
Repr. 2	Reproductive toxicity, Category 2
Skin Corr. 1B	Skin corrosion/irritation, Category 1, Sub-Category 1B
Skin Irrit. 2	Skin corrosion/irritation, Category 2
Skin Sens. 1	Skin sensitisation, Category 1
Skin Sens. 1A	Skin sensitisation, category 1A

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