

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878 Issue date: 18/02/2020 Revision date: 06/09/2022 Supersedes version of: 29/08/2022 Version: 1.7

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

1.1. Product identifier

Product form : Mixture Trade name : Modified-LZF Product group : Trade product

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

1.2.1. Relevant identified uses

Industrial/Professional use spec : Industrial

Use of the substance/mixture : Lead Free High Pressure Thread Compound

1.2.2. Uses advised against

No additional information available

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

#### Manufacturer

Whitmore Manufacturing LLC 930 Whitmore Drive 75087 Rockwall, Texas USA

T 1.972.771.1000

Regulatory@whitmores.com - www.jetlube.com

1.4. Emergency telephone number

: For Chemical Emergency Call CHEMTREC 24hr/day 7days/week **Emergency number** 

Within USA and Canada: 1.800.424.9300 Outside USA and Canada: +1.703.527.3887

(collect calls accepted)

Country	Organisation/Company	Address	Emergency number	Comment
United Kingdom	National Poisons Information Service (Birmingham Centre) City Hospital	Dudley Road B18 7QH Birmingham	0344 892 0111	Only for healthcare professionals
United Kingdom	Chemtrec - United Kingdom	London	Local (City) +44 20 3807 3798	
United Kingdom	Chemtrec - United Kingdom		Local (National) +44 870 820 0418	

#### **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 - Acute Hazard, Category 1 H400 Hazardous to the aquatic environment - Chronic Hazard, Category 1 H410

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

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

To our knowledge, this product does not present any particular risk, provided it is handled in accordance with good occupational hygiene and safety practice. Very toxic to aquatic life with long lasting effects.

#### 2.2. Label elements

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

Hazard pictograms (CLP)

**GHS09** : Warning

Signal word (CLP)

Hazard statements (CLP) : H410 - Very toxic to aquatic life with long lasting effects.

: P273 - Avoid release to the environment. Precautionary statements (CLP)

P391 - Collect spillage.

P501 - Dispose of contents/container to hazardous or special waste collection point, in

accordance with local, regional, national and/or international regulation.

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#### 2.3. Other hazards

Contains no PBT/vPvB substances ≥ 0.1% assessed in accordance with REACH Annex XIII

Component	
graphite (7782-42-5)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII
mica (12001-26-2)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII
copper (7440-50-8)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII
quartz, 1%≤conc respirable crystalline silica<10% (14808-60-7)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, 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 is 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**

#### 3.1. Substances

Not applicable

#### 3.2 Mixtures

5.2. WIIXTURES			
Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
graphite substance with national workplace exposure limit(s) (GB)	CAS-No.: 7782-42-5 EC-No.: 231-955-3	21.4225 – 22.4598	Aquatic Chronic 2, H411
mica substance with national workplace exposure limit(s) (GB)	CAS-No.: 12001-26-2 EC-No.: 310-127-6	10.8603 – 10.95903	Not classified
copper substance with national workplace exposure limit(s) (GB); substance with a Community workplace exposure limit	CAS-No.: 7440-50-8 EC-No.: 231-159-6	2.817	Aquatic Acute 1, H400 (M=10) Aquatic Chronic 1, H410 (M=10)
molybdenium(IV) sulfide substance with national workplace exposure limit(s) (GB)	CAS-No.: 1317-33-5 EC-No.: 215-263-9	2.69	Not classified
quartz, 1%≤conc respirable crystalline silica<10% substance with national workplace exposure limit(s) (GB); substance with a Community workplace exposure limit	CAS-No.: 14808-60-7 EC-No.: 238-878-4	0.0902 – 1.01475	Not classified
tris(dipentyldithiocarbamato-S,S')antimony substance with national workplace exposure limit(s) (GB)	CAS-No.: 15890-25-2 EC-No.: 240-028-2 EC Index-No.: 051-003-00-9	0.235	Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Inhalation), H332 Aquatic Chronic 2, H411

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.

First-aid measures after skin contact : Wash skin with plenty of water.

First-aid measures after eye contact : Rinse eyes with water as a precaution.

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

Treat symptomatically.

## **SECTION 5: Firefighting measures**

#### 5.1. Extinguishing media

Suitable extinguishing media : Carbon dioxide. Water spray. Dry powder. Foam.

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

Hazardous decomposition products in case of fire : Toxic fumes may be released.

5.3. Advice for firefighters

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

6.1.1. For non-emergency personnel

Emergency procedures : Exercise caution. Spill area may be slippery.

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.

6.3. Methods and material for containment and cleaning up

For containment : Collect spillage.

Methods for cleaning up : Mechanically recover the product. Take up liquid spill into absorbent material.

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

6.4. Reference to other sections

For further information refer to section 13.

## **SECTION 7: Handling and storage**

7.1. Precautions for safe handling

Precautions for safe handling : Ensure good ventilation of the work station. Wear personal protective equipment.

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.

7.3. Specific end use(s)

No additional information available

#### **SECTION 8: Exposure controls/personal protection**

### 8.1. Control parameters

#### 8.1.1 National occupational exposure and biological limit values

The following coordinates of the property of t	
molybdenium(IV) sulfide (1317-33-5)	
United Kingdom - Occupational Exposure Limits	
WEL TWA (OEL TWA) [1]	10 mg/m³
WEL STEL (OEL STEL)	20 mg/m³
tris(dipentyldithiocarbamato-S,S')antimony (1	5890-25-2)
United Kingdom - Occupational Exposure Limits	
WEL TWA (OEL TWA) [1]	0.5 mg/m³
graphite (7782-42-5)	
United Kingdom - Occupational Exposure Limits	
WEL TWA (OEL TWA) [1]	10 mg/m³ 4 mg/m³
quartz, 1%≤conc respirable crystalline silica<10% (14808-60-7)	
EU - Indicative Occupational Exposure Limit (IOEL)	
Local name	Silica crystaline (Quartz)
IOEL TWA	0.05 mg/m³ (respirable dust)
Remark	(Year of adoption 2003)
Regulatory reference SCOEL Recommendations	

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quartz, 1%≤conc respirable crystalline silica<10% (14808-60-7)		
United Kingdom - Occupational Exposure Limits		
Local name	Silica	
WEL TWA (OEL TWA) [1]	0.1 mg/m³ respirable crystalline	
Regulatory reference	EH40/2005 (Third edition, 2018). HSE	
copper (7440-50-8)		
EU - Indicative Occupational Exposure Limit (IOEL)		
Local name	Copper Kobber	
IOEL TWA	0.01 mg/m³ (respirable fraction)	
Remark	(Year of adoption 2014) (Adopsjonsår 2014)	
Regulatory reference	SCOEL Recommendations SCOEL anbefalinger	
United Kingdom - Occupational Exposure Limits		
Local name	Copper	
WEL TWA (OEL TWA) [1]	0.2 mg/m³ fume (as Cu) 1 mg/m³ and compounds, dusts and mists (as Cu)	
WEL STEL (OEL STEL)	2 mg/m³ and compounds, dusts and mists (as Cu)	
Regulatory reference	EH40/2005 (Fourth edition, 2020). HSE	
mica (12001-26-2)		
United Kingdom - Occupational Exposure Limits		
Local name	Mica	
WEL TWA (OEL TWA) [1]	0.8 mg/m³ respirable 10 mg/m³ total inhalable	
Regulatory reference	EH40/2005 (Fourth edition, 2020). HSE	

## 8.1.2. Recommended monitoring procedures

No additional information available

#### 8.1.3. Air contaminants formed

No additional information available

## 8.1.4. DNEL and PNEC

No additional information available

## 8.1.5. Control banding

No additional information available

#### 8.2. Exposure controls

## 8.2.1. Appropriate engineering controls

## Appropriate engineering controls:

Ensure good ventilation of the work station.

## 8.2.2. Personal protection equipment

## 8.2.2.1. Eye and face protection

## Eye protection:

Wear eye protection

## 8.2.2.2. Skin protection

## Skin and body protection:

Wear suitable protective clothing

## Hand protection:

Neoprene or nitrile rubber gloves

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Hand protection					
Type Material Permeation Thickness (mm) Penetration Standard				Standard	
Disposable gloves	Nitrile rubber (NBR), Neoprene rubber (HNBR)	2 (> 30 minutes)	0.3 mm - 0.6 mm		

#### 8.2.2.3. Respiratory protection

#### Respiratory protection:

No respiratory protection needed under normal use conditions

#### 8.2.2.4. Thermal hazards

No additional information available

#### 8.2.3. Environmental exposure controls

#### **Environmental exposure controls:**

Avoid release to the environment.

## **SECTION 9: Physical and chemical properties**

## 9.1. Information on basic physical and chemical properties

Physical state : Solid
Colour : Black.
Appearance : Grease.

Odour : petroleum-like odour.

Odour threshold : Not available Melting point : Not applicable : Not available Freezing point : Not available Boiling point Flammability : Not applicable **Explosive limits** : Not applicable Lower explosion limit : Not applicable Upper explosion limit : Not applicable

Flash point : > 221 °C Cleveland Open Cup Method

Auto-ignition temperature : Not applicable Decomposition temperature : Not available : Not available Hq pH solution : Not available Viscosity, kinematic : > 22 mm<sup>2</sup>/s @ 40 °C Solubility : insoluble in water. Partition coefficient n-octanol/water (Log Kow) : Not available Vapour pressure : Not available Vapour pressure at 50 °C : Not available : Not available Density : Not available Relative density Relative vapour density at 20 °C : Not applicable Particle size : Not available Particle size distribution : Not available : Not available Particle shape Particle aspect ratio : Not available : Not available Particle aggregation state

## 9.2. Other information

Particle dustiness

Particle agglomeration state Particle specific surface area

## 9.2.1. Information with regard to physical hazard classes

No additional information available

## 9.2.2. Other safety characteristics

VOC content : < 0.1 g/l

: Not available

: Not available

: Not available

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## **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

None under recommended storage and handling conditions (see section 7).

#### 10.5. Incompatible materials

No additional information available

#### 10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

#### **SECTION 11: Toxicological information**

molybdenium(IV) sulfide (1317-33-5)

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

Acute toxicity (oral) : Not classified
Acute toxicity (dermal) : Not classified
Acute toxicity (inhalation) : Not classified

molybdenium(IV) sulfide (1317-33-5)		
LD50 oral rat > 6000 mg/kg (Rat, Oral)		
graphite (7782-42-5)		
LD50 oral rat	> 2000 mg/kg (OECD 423: Acute Oral Toxicity – Acute Toxic Class Method, Rat, Female, Experimental value, Oral)	
LC50 Inhalation - Rat	> 2000 mg/m³ air (OECD 403: Acute Inhalation Toxicity, 4 h, Rat, Male / female, Experimental value, Inhalation (dust))	
LC50 Inhalation - Rat (Dust/Mist)	> 2 mg/l Source: ECHA	
mica (12001-26-2)		
LD50 oral rat	> 5000 mg/kg (Rat, Literature study, Oral)	
Older a service de la Principa di ser	Net also 25 at (December 2021 table date the december 25 at the original and one of	

Skin corrosion/irritation :	Not classified (Based on available data, the classification criteria are not met)	
molybdenium(IV) sulfide (1317-33-5)		
рН	5 – 8 (10 %)	
graphite (7782-42-5)		
рН	7 (1.3 %)	
quartz, 1%≤conc respirable crystalline silica<10% (14808-60-7)		
рН	5 – 8 (40 %, 20 °C)	

Serious eye damage/irritation	: Not classified (Based on available data, the classification criteria are not met)
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рН	5 – 8 (10 %)	
graphite (7782-42-5)		
рН	7 (1.3 %)	
quartz, 1%≤conc respirable crystalline silica<10% (14808-60-7)		
pH 5 – 8 (40 %, 20 °C)		
Respiratory or skin sensitisation Not classified (Based on available data, the classification criteria are not met)		

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)

quartz, 1%≤conc respirable crystalline silica<10% (14808-60-7)	
IARC group 1 - Carcinogenic to humans	
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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: Not classified (Based on available data, the classification criteria are not met)
0.000279 mg/l air Animal: rat, Guideline: OECD Guideline 413 (Subchronic Inhalation Toxicity: 90-Day Study)
: Not classified (Based on available data, the classification criteria are not met)
> 22 mm²/s @ 40 °C

No additional information available

## **SECTION 12: Ecological information**

## 12.1. Toxicity

Ecology - general

: The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment. Very toxic to aquatic life with long lasting effects.

Hazardous to the aquatic environment, short-term

(acute)

: Very toxic to aquatic life.

Hazardous to the aquatic environment, long-term

(chronic)

: Very toxic to aquatic life with long lasting effects.

Not rapidly degradable

400
400
> 100 mg/l
> 100 mg/l
19 mg/l
7.2 mg/l
> 100 mg/l
47 mg/l
38.4 – 256.2 μg/l (96 h, Pimephales promelas, Flow-through system, Fresh water, Readacross)
3.8 – 118.5 μg/l (US EPA, 48 h, Daphnia magna, Static system, Fresh water, Weight of evidence)

## 12.2. Persistence and degradability

12.2. I ersistence and degradability		
molybdenium(IV) sulfide (1317-33-5)		
Chemical oxygen demand (COD)	Not applicable.	
ThOD	Not applicable.	
BOD (% of ThOD)	Not applicable.	
quartz, 1%≤conc respirable crystalline silica<10% (14808-60-7)		
Persistence and degradability	Not applicable.	
Chemical oxygen demand (COD)	Not applicable	
ThOD	Not applicable	
mica (12001-26-2)		
Persistence and degradability	Biodegradability: not applicable.	
Chemical oxygen demand (COD)	Not applicable (inorganic)	
ThOD	Not applicable (inorganic)	
12.3. Bioaccumulative potential		

quartz, 1%≤conc respirable crystalline silica<10% (14808-60-7)		
Bioaccumulative potential Bioaccumulation unlikely.		
mica (12001-26-2)		
Bioaccumulative potential	No bioaccumulation data available.	

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12.4. Mobility in soil		
molybdenium(IV) sulfide (1317-33-5)		
Ecology - soil	Adsorbs into the soil.	
quartz, 1%≤conc respirable crystalline silica<10% (14808-60-7)		
Ecology - soil	Low potential for mobility in soil.	
copper (7440-50-8)		
Ecology - soil	Product adsorbs onto the soil.	
mica (12001-26-2)		

No (test) data on mobility of the substance available.

## 12.5. Results of PBT and vPvB assessment

No additional information available

Ecology - soil

## 12.6. Endocrine disrupting properties

No additional information available

#### 12.7. Other adverse effects

No additional information available

## **SECTION 13: Disposal considerations**

#### 13.1. Waste treatment methods

Waste treatment methods

: Dispose of contents/container in accordance with licensed collector's sorting instructions.

## **SECTION 14: Transport information**

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

ADR	IMDG	IATA	ADN	RID
4.1. UN number or ID number				
UN 3077	UN 3077	UN 3077	UN 3077	UN 3077
14.2. UN proper shippin	g name			
ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (CONTAINS: copper)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (CONTAINS: copper)	Environmentally hazardous substance, solid, n.o.s. (CONTAINS : copper)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (CONTAINS: copper)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (CONTAINS: copper)
Transport document descr	iption			
UN 3077 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (CONTAINS: copper), 9, III, (-)	UN 3077 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (CONTAINS: copper), 9, III, MARINE POLLUTANT	UN 3077 Environmentally hazardous substance, solid, n.o.s. (CONTAINS : copper), 9, III	UN 3077 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (CONTAINS: copper), 9, III	UN 3077 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (CONTAINS: copper), 9, III
14.3. Transport hazard o	class(es)			
9	9	9	9	9
	**************************************		**************************************	**************************************
14.4. Packing group				
III	III	III	III	III
14.5. Environmental haz	ards			
Dangerous for the environment: Yes	Dangerous for the environment: Yes Marine pollutant: Yes	Dangerous for the environment: Yes	Dangerous for the environment: Yes	Dangerous for the environment: Yes
Not a Marine Pollutant based	d on tests approved under IME	DG Regulations.		

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#### 14.6. Special precautions for user

**Overland transport** 

Classification code (ADR) : M7

Special provisions (ADR) : 274, 335, 375, 601

Limited quantities (ADR) : 5kg
Excepted quantities (ADR) : E1

Packing instructions (ADR) : P002, IBC08, LP02, R001

Special packing provisions (ADR) : PP12, B3
Mixed packing provisions (ADR) : MP10

Portable tank and bulk container instructions : T1, BK1, BK2, BK3

(ADR)

Portable tank and bulk container special provisions

(ADR)

Tank code (ADR) : SGAV, LGBV

Vehicle for tank carriage : AT

Transport category (ADR) : 3

Special provisions for carriage - Packages (ADR) : V13

Special provisions for carriage - Bulk (ADR) : VC1, VC2

Special provisions for carriage - Loading, : CV13

unloading and handling (ADR)

Hazard identification number (Kemler No.) : 90

Orange plates :

90 3077

: TP33

Tunnel restriction code (ADR) : EAC code : 2Z

Transport by sea

Special provisions (IMDG) : 274, 335, 966, 967, 969

Limited quantities (IMDG) : 5 kg
Excepted quantities (IMDG) : E1

Packing instructions (IMDG) : LP02, P002
Special packing provisions (IMDG) : PP12
IBC packing instructions (IMDG) : IBC08
IBC special provisions (IMDG) : B3

Tank instructions (IMDG) : BK1, BK2, BK3, T1

Tank special provisions (IMDG) : TP33

EmS-No. (Fire) : F-A

EmS-No. (Spillage) : S-F

Stowage category (IMDG) : A

Stowage and handling (IMDG) : SW23

Air transport

PCA Excepted quantities (IATA) : E1
PCA Limited quantities (IATA) : Y956
PCA limited quantity max net quantity (IATA) : 30kgG
PCA packing instructions (IATA) : 956
PCA max net quantity (IATA) : 400kg
CAO packing instructions (IATA) : 956
CAO max net quantity (IATA) : 400kg

Special provisions (IATA) : A97, A158, A179, A197, A215

ERG code (IATA) : 9L

Inland waterway transport

Classification code (ADN) : M7

Special provisions (ADN) : 274, 335, 375, 601

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Limited quantities (ADN) : 5 kg

Excepted quantities (ADN) : E1

Carriage permitted (ADN) : T\* B\*\*

Equipment required (ADN) : PP, A\*\*\*

Number of blue cones/lights (ADN) : 0

Additional requirements/Remarks (ADN) : \* Only in the molten state. \*\* For carriage in bulk see also 7.1.4.1. \*\* Only in the case of

transport in bulk.

Rail transport

Classification code (RID) : M7

Special provisions (RID) : 274, 335, 375, 601

Limited quantities (RID) : 5kg
Excepted quantities (RID) : E1

Packing instructions (RID) : P002, IBC08, LP02, R001

Special packing provisions (RID) : PP12, B3
Mixed packing provisions (RID) : MP10

Portable tank and bulk container instructions (RID) : T1, BK1, BK2, BK3

Portable tank and bulk container special provisions : TP33

(RID)

Tank codes for RID tanks (RID) : SGAV, LGBV

Transport category (RID) : 3

Special provisions for carriage – Packages (RID) : W13

Special provisions for carriage – Bulk (RID) : VC1, VC2

Special provisions for carriage - Loading, : CW13, CW31

unloading and handling (RID)

Colis express (express parcels) (RID) : CE11 Hazard identification number (RID) : 90

#### 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

## 15.1.1. EU-Regulations

## **REACH Annex XVII (Restriction List)**

Contains no REACH substances with Annex XVII restrictions

### **REACH Annex XIV (Authorisation List)**

Contains no REACH Annex XIV substances

## **REACH Candidate List (SVHC)**

Contains no substance on the REACH candidate list

#### **PIC Regulation (Prior Informed Consent)**

Contains no substance subject to Regulation (EU) No 649/2012 of the European Parliament and of the Council of 4 July 2012 concerning the export and import of hazardous chemicals.

#### **POP Regulation (Persistent Organic Pollutants)**

Contains no substance subject to Regulation (EU) No 2019/1021 of the European Parliament and of the Council of 20 June 2019 on persistent organic pollutants

#### Ozone Regulation (1005/2009)

Contains no substance subject to REGULATION (EU) No 1005/2009 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 September 2009 on substances that deplete the ozone layer.

#### VOC Directive (2004/42)

VOC content : < 0.1 g/l

## **Explosives Precursors Regulation (2019/1148)**

Contains no substance subject to Regulation (EU) 2019/1148 of the European Parliament and of the Council of 20 June 2019 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 drug precursors)

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## 15.1.2. National regulations

No additional information available

## 15.2. Chemical safety assessment

No chemical safety assessment has been carried out

<b>SECTION 16: Other</b>	r information
Abbreviations and a	cronyms:
CLP	Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006
WGK	Water Hazard Class
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
VOC	Volatile Organic Compounds
CAS-No.	Chemical Abstract Service number
N.O.S.	Not Otherwise Specified
vPvB	Very Persistent and Very Bioaccumulative
ED	Endocrine disrupting properties

# Safety Data Sheet

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

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	
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	
H302	Harmful if swallowed.	
H332	Harmful if inhaled.	
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.	

Safety Data Sheet (SDS), EU

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.