

## Safety Data Sheet

according to UK REACH Regulation

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Print date: 13.03.2023

Revision date: 28.02.2023

VCP 1000

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

#### 1.1. Product identifier

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

##### Use of the substance/mixture

Lubricant

##### Uses advised against

Any non-intended use.

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

Company name:	Meusburger Georg GmbH & Co KG	
Street:	Kesselstrasse 42	
Place:	A-6960 Wolfurt	
Telephone:	+43 5574 6706-0	Telefax: +43 5574 6706-12
e-mail:	office@meusburger.com	
Internet:	www.meusburger.com	
Responsible Department:	Dr. Gans-Eichler Chemieberatung GmbH Otto-Hahn-Str. 36 D-48161 Muenster	e-mail: info@tge-consult.de Tel.: +49 2534 41594-0 www.tge-consult.de

#### 1.4. Emergency telephone number:

Poison Information Center Mainz, Germany, Tel: +49(0)6131/19240

#### Further Information

Safety Data Sheet according to UK-REACH Regulation

### SECTION 2: Hazards identification

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

##### GB CLP Regulation

Eye Irrit. 2; H319  
Aquatic Acute 1; H400  
Aquatic Chronic 1; H410

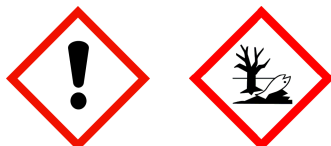
Full text of hazard statements: see SECTION 16.

#### 2.2. Label elements

##### GB CLP Regulation

Signal word: Warning

Pictograms:



##### Hazard statements

H319	Causes serious eye irritation.
H410	Very toxic to aquatic life with long lasting effects.

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### Precautionary statements

P273	Avoid release to the environment.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337+P313	If eye irritation persists: Get medical advice/attention.
P391	Collect spillage.
P501	Dispose of contents/container in accordance with local/regional/national/international regulations.

### 2.3. Other hazards

The substances in the mixture (> 0.1%) do not meet the PBT/vPvB criteria according to UK REACH.  
This product does not contain a substance (> 0.1 %) that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

#### Hazardous components

CAS No EC No REACH No Index No	Chemical name GHS Classification	Quantity
7440-50-8 231-159-6	Copper Acute Tox. 3, Acute Tox. 4, Eye Irrit. 2, Aquatic Acute 1, Aquatic Chronic 1; H331 H302 H319 H400 H410	2,5 - < 10 %
7631-86-9 231-545-4 01-2119379499-16	Silicon dioxide	0,5 - 2,5 %
64742-48-9 265-150-3 01-2119486659-16 649-327-00-6	Naphtha (petroleum), hydrotreated heavy; Low boiling point hydrogen treated naphtha Asp. Tox. 1; H304 EUH066	0,5 - 2,5 %
4259-15-8 224-235-5 01-2119493635-27	Zinc bis[O,O-bis(2-ethylhexyl)] bis(dithiophosphate) Eye Dam. 1, Aquatic Chronic 2; H318 H411	1 - < 2,5 %

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

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### Specific Conc. Limits, M-factors and ATE

CAS No	EC No	Chemical name	Quantity
Specific Conc. Limits, M-factors and ATE			
7440-50-8	231-159-6	Copper	2,5 - < 10 %
		inhalation: LC50 = > 5,11 mg/l (vapours); inhalation: ATE = 0,5 mg/l (dusts or mists); dermal: LD50 = > 2000 mg/kg; oral: LD50 = (300 - 500) mg/kg Aquatic Acute 1; H400: M=10 Aquatic Chronic 1; H410: M=10	
7631-86-9	231-545-4	Silicon dioxide	0,5 - 2,5 %
		inhalation: LC50 = > 2,08 mg/l (dusts or mists); dermal: LD50 = > 5000 mg/kg; oral: LD50 = > 5000 mg/kg	
64742-48-9	265-150-3	Naphtha (petroleum), hydrotreated heavy; Low boiling point hydrogen treated naphtha	0,5 - 2,5 %
		dermal: LD50 = >2000 mg/kg; oral: LD50 = >5000 mg/kg	
4259-15-8	224-235-5	Zinc bis[O,O-bis(2-ethylhexyl)] bis(dithiophosphate)	1 - < 2,5 %
		dermal: LD50 = > 5000 mg/kg; oral: LD50 = > 3100 mg/kg Eye Dam. 1; H318: >= 50 - 100	

### Further Information

Product does not contain listed SVHC substances > 0.1 % according to UK REACH.

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

#### General information

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

#### After inhalation

Paste: Inhalation is unlikely because of the low vapour pressure of the substance at ambient temperature. In all cases of doubt, or when symptoms persist, seek medical advice.

#### After contact with skin

After contact with skin, wash immediately with plenty of water and soap. Take off immediately all contaminated clothing. In case of skin irritation, seek medical treatment.

#### After contact with eyes

Rinse immediately carefully and thoroughly with eye-bath or water. In case of troubles or persistent symptoms, consult an ophthalmologist.

#### After ingestion

Rinse mouth thoroughly with water. Do NOT induce vomiting. In all cases of doubt, or when symptoms persist, seek medical advice.

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

No 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

Sand. Carbon dioxide (CO<sub>2</sub>). Extinguishing powder.

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### Unsuitable extinguishing media

Water

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

Can be released in case of fire: Carbon monoxide (CO). Carbon dioxide (CO<sub>2</sub>).

### **5.3. Advice for firefighters**

In case of fire and/or explosion do not breathe fumes. In case of fire: Wear self-contained breathing apparatus.

### **Additional information**

Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.  
Co-ordinate fire-fighting measures to the fire surroundings.

## SECTION 6: Accidental release measures

### **6.1. Personal precautions, protective equipment and emergency procedures**

#### **General advice**

See protective measures under point 7 and 8.

#### **For non-emergency personnel**

Wear personal protection equipment (refer to section 8).

#### **For emergency responders**

No special measures are necessary.

### **6.2. Environmental precautions**

Do not allow to enter into surface water or drains. Eliminate leaks immediately. Prevent spread over a wide area (e.g. by containment or oil barriers). Do not allow to enter into soil/subsoil. If required, notify relevant authorities according to all applicable regulations.

### **6.3. Methods and material for containment and cleaning up**

#### **For containment**

Take up mechanically.

Treat the recovered material as prescribed in the section on waste disposal.

#### **For cleaning up**

Clean contaminated objects and areas thoroughly observing environmental regulations.

### **6.4. Reference to other sections**

Safe handling: see section 7

Personal protection equipment: see section 8

Disposal: see section 13

## SECTION 7: Handling and storage

### **7.1. Precautions for safe handling**

#### **Advice on safe handling**

Wear suitable protective clothing. (See section 8.)

#### **Advice on protection against fire and explosion**

Usual measures for fire prevention.

#### **Advice on general occupational hygiene**

When using do not eat, drink or smoke.

#### **Further information on handling**

General protection and hygiene measures: See section 8.

### **7.2. Conditions for safe storage, including any incompatibilities**

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### Requirements for storage rooms and vessels

Keep container tightly closed in a cool, well-ventilated place. Only use containers specifically approved for the substance/product.

Make sure spills can be contained (e.g. sump pallets or kerbed areas).

### Hints on joint storage

Do not store together with: Explosives. Oxidizing solids. Oxidizing liquids. Radioactive substances. Infectious substances. Food and animal feedingstuff.

### Further information on storage conditions

Recommended storage temperature: 20 °C

Protect against: frost. UV-radiation/sunlight. heat. Humidity

### 7.3. Specific end use(s)

See section 1.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### Exposure limits (EH40)

CAS No	Substance	ppm	mg/m <sup>3</sup>	fibres/ml	Category	Origin
7440-50-8	Copper, dusts and mists (as Cu)	-	1		TWA (8 h)	WEL
		-	2		STEL (15 min)	WEL

#### DNEL/DMEL values

CAS No	Substance	Exposure route	Effect	Value
7631-86-9	Silicon dioxide			
Worker DNEL, long-term		inhalation	systemic	4 mg/m <sup>3</sup>
4259-15-8	Zinc bis[O,O-bis(2-ethylhexyl)] bis(dithiophosphate)			
Worker DNEL, long-term		inhalation	systemic	6,6 mg/m <sup>3</sup>
Worker DNEL, long-term		dermal	systemic	9,6 mg/kg bw/day
Consumer DNEL, long-term		inhalation	systemic	1,67 mg/m <sup>3</sup>
Consumer DNEL, long-term		dermal	systemic	4,8 mg/kg bw/day
Consumer DNEL, long-term		oral	systemic	0,19 mg/kg bw/day

#### PNEC values

CAS No	Substance	Value
	Environmental compartment	
4259-15-8	Zinc bis[O,O-bis(2-ethylhexyl)] bis(dithiophosphate)	
	Freshwater	0,004 mg/l
	Freshwater (intermittent releases)	0,044 mg/l
	Marine water	0,0046 mg/l
	Freshwater sediment	0,322 mg/l
	Secondary poisoning	8,33 mg/kg

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Micro-organisms in sewage treatment plants (STP)	0,038 mg/l
Soil	0,062 mg/kg

### 8.2. Exposure controls



#### Appropriate engineering controls

Technical measures and the application of suitable work processes have priority over personal protection equipment.

Provide adequate ventilation.

#### Individual protection measures, such as personal protective equipment

##### Eye/face protection

Wear safety glasses; chemical goggles (if splashing is possible). BS/EN 166

##### Hand protection

In case of prolonged or frequently repeated skin contact:

Wear suitable gloves.

Suitable material:

NBR (Nitrile rubber). - Thickness of glove material: 0,35 mm

Breakthrough time  $\geq$  8 h

For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

The selected protective gloves have to satisfy the specifications of the Personal Protective Equipment at Work (Amendment) Regulations 2022 and the standard EN ISO 374.

Before using check leak tightness / impermeability. In the case of wanting to use the gloves again, clean them before taking off and air them well.

##### Skin protection

Suitable protective clothing: Lab apron.

Minimum standard for preventive measures while handling with working materials are specified in the TRGS 500 (D).

##### Respiratory protection

With correct and proper use, and under normal conditions, breathing protection is not required.

Respiratory protection necessary at:

-Exceeding exposure limit values

-Insufficient ventilation and aerosol or mist formation

Suitable respiratory protective equipment: particulates filter device (DIN EN 143). Type: P3

The filter class must be suitable for the maximum contaminant concentration (gas/vapour/aerosol/particulates) that may arise when handling the product. If the concentration is exceeded, self-contained breathing apparatus must be used.

##### Environmental exposure controls

Do not allow uncontrolled discharge of product into the environment.

## SECTION 9: Physical and chemical properties

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

Physical state:

Paste

Colour:

copper

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Odour:	characteristic	
Odour threshold:	not determined	
Melting point/freezing point:		not determined
Boiling point or initial boiling point and boiling range:		not determined
Flammability:		not determined
Lower explosion limits:		not determined
Upper explosion limits:		not determined
Flash point:		240 °C
Auto-ignition temperature:		not determined
Decomposition temperature:		not determined
pH-Value:		not determined
Viscosity / kinematic:		not determined
Water solubility:		insoluble
Solubility in other solvents		
partially soluble: Hydrocarbons		
Dissolution rate:		not relevant
Partition coefficient n-octanol/water:	SECTION 12: Ecological information	
Dispersion stability:		not relevant
Vapour pressure:		not determined
Density (at 20 °C):		1,115 g/cm <sup>3</sup>
Bulk density:		not determined
Relative vapour density:		not determined
Particle characteristics:		not relevant

### 9.2. Other information

#### Information with regard to physical hazard classes

Explosive properties	
none	
Sustaining combustion:	No data available
Self-ignition temperature	
Solid:	not determined
Gas:	not determined
Oxidizing properties	
none	

#### Other safety characteristics

Evaporation rate:	not determined
Solvent separation test:	not determined
Solvent content:	not determined
Solid content:	not determined
Sublimation point:	not determined
Softening point:	not determined
Pour point:	not determined
Viscosity / dynamic:	not determined
Flow time:	not determined

#### Further Information

No information available.

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### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

No information available.

#### 10.2. Chemical stability

The product is chemically stable under recommended conditions of storage, use and temperature.

#### 10.3. Possibility of hazardous reactions

No hazardous reaction when handled and stored according to provisions.  
Refer to chapter 10.5.

#### 10.4. Conditions to avoid

Protect against: UV-radiation/sunlight. heat.

#### 10.5. Incompatible materials

Materials to avoid: Oxidizing agents, strong. Reducing agents, strong.

#### 10.6. Hazardous decomposition products

Carbon dioxide (CO<sub>2</sub>). Carbon monoxide (CO). hydrocarbons.

### SECTION 11: Toxicological information

#### 11.1. Information on hazard classes as defined in GB CLP Regulation

##### Toxicokinetics, metabolism and distribution

No information available.

##### Acute toxicity

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

##### ATEmix calculated

ATE (oral) 5000,1 mg/kg; ATE (inhalation vapour) 30,00 mg/l; ATE (inhalation dust/mist) 5,000 mg/l

CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
7440-50-8	Copper				
	oral	LD50 (300 - 500) mg/kg	Rat	ECHA dossier	OECD 423
	dermal	LD50 > 2000 mg/kg	Rat	ECHA dossier	OECD 402
	inhalation (4 h) vapour	LC50 > 5,11 mg/l	Rat	ECHA dossier	OECD 436
	inhalation dust/mist	ATE 0,5 mg/l			
7631-86-9	Silicon dioxide				
	oral	LD50 > 5000 mg/kg	Rat	ECHA dossier	WoE
	dermal	LD50 > 5000 mg/kg	Rabbit	ECHA dossier	WoE
	inhalation (4 h) dust/mist	LC50 > 2,08 mg/l	Rat	ECHA dossier	OECD 403
64742-48-9	Naphtha (petroleum), hydrotreated heavy; Low boiling point hydrogen treated naphtha				
	oral	LD50 >5000 mg/kg	Rat.	ECHA dossier	



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	dermal	LD50 mg/kg	>2000	Rabbit.	ECHA dossier	
4259-15-8	Zinc bis[O,O-bis(2-ethylhexyl)] bis(dithiophosphate)					
	oral	LD50 mg/kg	> 3100	Rat.	ECHA dossier	
	dermal	LD50 mg/kg	> 5000	Rabbit.	ECHA dossier	

### Irritation and corrosivity

Causes serious eye irritation.

Skin corrosion/irritation: Based on available data, the classification criteria are not met.

### Sensitising effects

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

### Carcinogenic/mutagenic/toxic effects for reproduction

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

Copper:

In vitro mutagenicity/genotoxicity: Method: OECD 471 (Ames test). Result / evaluation: negative.; In vivo mutagenicity/genotoxicity Method: EU Method B.12 Result / evaluation: negative.; Reproductive toxicity: Method: OECD 416. Species: Rat. Exposure time: 70d. Result / evaluation: NOAEL 1500 ppm.; Developmental toxicity/teratogenicity: Method: OECD 414. Species: Rabbit . Exposure time 21d. Result / evaluation: NOAEL 6 mg/kg bw/day

Literature information: ECHA dossier

Silicon dioxide:

In-vitro mutagenicity:

Method: OECD Guideline 471 (Bacterial Reverse Mutation Assay)

Method: OECD Guideline 473 (In vitro Mammalian Chromosome Aberration Test)

Method: OECD Guideline 476 (In vitro Mammalian Cell Gene Mutation Test)

Result: negative.

Literature information: ECHA dossier

Developmental toxicity/teratogenicity:

Method: OECD Guideline 414 (Prenatal Developmental Toxicity Study)

Species: Rat. Mouse., Rabbit. hamster.

Results: NOAEL = >1000 mg/kg

Literature information: ECHA dossier

Chronic inhalation toxicity :

Method: OECD Guideline 453 (Combined Chronic Toxicity / Carcinogenicity Studies)

Species: Rat (oral.) ; Exposure duration: approx. 2 years

Results: NOAEL = 1800 - 3200 mg/kg

Literature information: ECHA dossier

Naphtha (petroleum), hydrotreated heavy; Low boiling point hydrogen treated naphtha:

In-vitro mutagenicity: Method: OECD Guideline 476 (In vitro Mammalian Cell Gene Mutation Test); Result: negative.

Literature information: ECHA dossier

Carcinogenicity: Method: (dermal.) OECD Guideline 451 (Carcinogenicity Studies); Species: Mouse.; Length of test: 2 years; Result: negative.

Literature information: ECHA dossier

Reproductive toxicity: Method: OECD Guideline 416 (Two-Generation Reproduction Toxicity Study); Species:

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Rat; Result: NOAEL  $\geq$  20000 mg/kg  
 Literature information: ECHA dossier  
 Developmental toxicity/teratogenicity: Method: OECD Guideline 414 (Prenatal Developmental Toxicity Study);  
 Species: Rat Result: NOAEL = 239000 mg/kg  
 Literature information: ECHA dossier

Zinc bis[O,O-bis(2-ethylhexyl)] bis(dithiophosphate):  
 In vitro mutagenicity/genotoxicity: Method: OECD Guideline 471 (Bacterial Reverse Mutation Assay); Result:  
 negative.  
 Literature information: ECHA dossier  
 Developmental toxicity/teratogenicity/Reproductive toxicity; Species: Rat (Sprague-Dawley); Method: OECD  
 Guideline 421 (Reproduction / Developmental Toxicity Screening Test); Result: NOAEL = 30 mg/kg  
 Literature information: ECHA dossier

### STOT-single exposure

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

### STOT-repeated exposure

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

Copper:  
 Subchronic oral toxicity: Method: EU Method B.26 Species: Rat. Exposure time: 90d. Result / evaluation:  
 NOAEL: 1000 ppm  
 Literature information: ECHA dossier  
 Subacute inhalation toxicity: Method: OECD 412. Species: Rat. Exposure time: 28d. Result / evaluation:  
 NOAEL: 2 mg/m<sup>3</sup> Air.  
 Literature information: ECHA dossier

Silicon dioxide:  
 Subchronic oral toxicity :  
 Method: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity in Rodents),  
 Species: Rat. Length of test: 90 d  
 Result: NOEL > 4000 mg/kg  
 Literature information: ECHA dossier  
 Subchronic inhalative toxicity:  
 Method: OECD guideline 413; Species: Mouse ; Exposure time: 90d  
 Result: NOAEC = 1,3 mg/m<sup>3</sup>; LOAEC = 5,9 mg/m<sup>3</sup>; NOEC < 1,3 mg/m<sup>3</sup>  
 Literature information: ECHA dossier

Naphtha (petroleum), hydrotreated heavy; Low boiling point hydrogen treated naphtha:  
 Subchronic inhalative toxicity:  
 Method: OECD Guideline 453 (Combined Chronic Toxicity / Carcinogenicity Studies); Exposure time: 2 years;  
 Species: Rat; Results: NOAEC = 1402 mg/m<sup>3</sup>  
 Literature information: ECHA dossier

Zinc bis[O,O-bis(2-ethylhexyl)] bis(dithiophosphate):  
 Subacute oral toxicity: Method: OECD Guideline 407 (Repeated Dose 28-Day Oral Toxicity in Rodents);  
 Species: Rat; Results: NOAEL = 125 mg/kg  
 Literature information: ECHA dossier

### Aspiration hazard

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

### 11.2. Information on other hazards

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### Endocrine disrupting properties

This product does not contain a substance (> 0.1 %) that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.

### Other information

No data available.

## SECTION 12: Ecological information

### 12.1. Toxicity

The product has not been tested.

CAS No	Chemical name					
	Aquatic toxicity	Dose	[h]   [d]	Species	Source	Method
7440-50-8	Copper					
	Acute fish toxicity	LC50 0,004 - 1,1 mg/l	96 h	Fish	ECHA dossier	
	Acute algae toxicity	ErC50 0,018 - 0,987 mg/l		algae (72 h & 96 h)	ECHA dossier	
	Acute crustacea toxicity	EC50 0,001 - 0,792 mg/l	48 h	Daphnia	ECHA dossier	
	Fish toxicity	NOEC 0,002 - 0,188 mg/l		Fish (4 - 333 d)	ECHA dossier	
	Algae toxicity	NOEC 0,01 - 0,05 mg/l		algae (10 - 19 d)	ECHA dossier	
	Crustacea toxicity	NOEC 0,004 - 0,145 mg/l		Daphnia (4 - 240 d)	ECHA dossier	
7631-86-9	Silicon dioxide					
	Acute fish toxicity	LC50 LL0 = 10000 mg/l	96 h	Danio rerio	ECHA dossier	OECD 203
	Acute algae toxicity	ErC50 EL50 > 10 000 mg/l	72 h	Desmodesmus subspicatus	ECHA dossier	OECD 201
	Acute crustacea toxicity	EL50 1000 mg/l	48 h	Daphnia magna	ECHA dossier	OECD 202
	Fish toxicity	NOEC 86,03 mg/l	30 d	Fish species	ECHA dossier	QSAR
	Crustacea toxicity	NOEC 34,223 mg/l	30 d	Daphnid species	ECHA dossier	QSAR
4259-15-8	Zinc bis[O,O-bis(2-ethylhexyl)] bis(dithiophosphate)					
	Acute fish toxicity	LC50 46 mg/l	96 h	Cyprinodon variegatus	ECHA dossier	

### 12.2. Persistence and degradability

The product has not been tested.

CAS No	Chemical name				
	Method	Value	d	Source	
	Evaluation				
4259-15-8	Zinc bis[O,O-bis(2-ethylhexyl)] bis(dithiophosphate)				
	OECD 301D / EEC 92/69 annex V, C.4-E	< 5%	27	ECHA dossier	
	Not easily bio-degradable (according to OECD-criteria).				

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### **12.3. Bioaccumulative potential**

#### **Partition coefficient n-octanol/water**

CAS No	Chemical name	Log Pow
7631-86-9	Silicon dioxide	-2,6
4259-15-8	Zinc bis[O,O-bis(2-ethylhexyl)] bis(dithiophosphate)	3,59

#### **BCF**

CAS No	Chemical name	BCF	Species	Source
7631-86-9	Silicon dioxide	1,09	QSAR model	<a href="http://epa.gov/oppt/">http://epa.gov/oppt/</a>

### **12.4. Mobility in soil**

No information available.

### **12.5. Results of PBT and vPvB assessment**

The substances in the mixture do not meet the PBT/vPvB criteria according to UK REACH.

The aforementioned statement applies to substances contained in the product with a minimum content of 0.1 %.

### **12.6. Endocrine disrupting properties**

This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.

The aforementioned statement applies to substances contained in the product with a minimum content of 0.1 %.

### **12.7. Other adverse effects**

No information available.

## SECTION 13: Disposal considerations

### **13.1. Waste treatment methods**

#### **Disposal recommendations**

Observe in addition any national regulations! Consult the local waste disposal expert about waste disposal.

Non-contaminated packages may be recycled.

According to (EWC) European Waste Catalogue, allocation of waste identity numbers/waste descriptions must be carried out in a specific way for every industry and process. Control report for waste code/ waste marking according to (EWC) European Waste Catalogue:

#### **List of Wastes Code - residues/unused products**

120112 WASTES FROM SHAPING AND PHYSICAL AND MECHANICAL SURFACE TREATMENT OF METALS AND PLASTICS; wastes from shaping and physical and mechanical surface treatment of metals and plastics; spent waxes and fats; hazardous waste

#### **List of Wastes Code - used product**

120112 WASTES FROM SHAPING AND PHYSICAL AND MECHANICAL SURFACE TREATMENT OF METALS AND PLASTICS; wastes from shaping and physical and mechanical surface treatment of metals and plastics; spent waxes and fats; hazardous waste

#### **List of Wastes Code - contaminated packaging**

150110 WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED; packaging (including separately collected municipal packaging waste); packaging containing residues of or contaminated by hazardous substances; hazardous waste

#### **Contaminated packaging**

Handle contaminated packages in the same way as the substance itself.

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### SECTION 14: Transport information

#### Land transport (ADR/RID)

**14.1. UN number or ID number:** UN 3077  
**14.2. UN proper shipping name:** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Copper)  
**14.3. Transport hazard class(es):** 9  
**14.4. Packing group:** III  
 Hazard label: 9



Classification code: M7  
 Special Provisions: 274 335 375 601  
 Limited quantity: 5 kg  
 Excepted quantity: E1  
 Transport category: 3  
 Hazard No: 90  
 Tunnel restriction code: -

#### Inland waterways transport (ADN)

**14.1. UN number or ID number:** UN 3077  
**14.2. UN proper shipping name:** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Copper)  
**14.3. Transport hazard class(es):** 9  
**14.4. Packing group:** III  
 Hazard label: 9



Classification code: M7  
 Special Provisions: 274 335 375 601  
 Limited quantity: 5 kg  
 Excepted quantity: E1

#### Marine transport (IMDG)

**14.1. UN number or ID number:** UN 3077  
**14.2. UN proper shipping name:** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Copper)  
**14.3. Transport hazard class(es):** 9  
**14.4. Packing group:** III  
 Hazard label: 9



Marine pollutant: YES  
 Special Provisions: 274 335 966 967 969  
 Limited quantity: 5 kg  
 Excepted quantity: E1

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EmS: F-A, S-F

### Air transport (ICAO-TI/IATA-DGR)

**14.1. UN number or ID number:** UN 3077  
**14.2. UN proper shipping name:** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.  
 (Copper)  
**14.3. Transport hazard class(es):** 9  
**14.4. Packing group:** III  
 Hazard label: 9



Special Provisions: A97 A158 A179 A197 A215  
 Limited quantity Passenger: 30 kg G  
 Passenger LQ: Y956  
 Excepted quantity: E1  
 IATA-packing instructions - Passenger: 956  
 IATA-max. quantity - Passenger: 400 kg  
 IATA-packing instructions - Cargo: 956  
 IATA-max. quantity - Cargo: 400 kg

### 14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: Yes



Danger releasing substance: Copper

### 14.6. Special precautions for user

Safe handling: see section 7  
 Personal protection equipment: see section 8

### 14.7. Maritime transport in bulk according to IMO instruments

not relevant

## SECTION 15: Regulatory information

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

#### EU regulatory information

Restrictions on use (REACH, annex XVII):

Entry 3, Entry 75

2010/75/EU (VOC): not determined

2004/42/EC (VOC): not determined

Information according to 2012/18/EU (SEVESO III): E1 Hazardous to the Aquatic Environment

#### Additional information

Safety Data Sheet according to UK-REACH Regulation  
 The mixture is classified as hazardous according to GHS (GB CLP).  
 UK REACH Appendix XVII, No (mixture): 3

#### National regulatory information

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Employment restrictions: Observe restrictions to employment for juveniles according to the 'juvenile work protection guideline' (94/33/EC).  
 Water hazard class (D): 2 - obviously hazardous to water

### **15.2. Chemical safety assessment**

For the following substances of this mixture a chemical safety assessment has been carried out:  
 Silicon dioxide  
 Naphtha (petroleum), hydrotreated heavy; Low boiling point hydrogen treated naphtha  
 Zinc bis[O,O-bis(2-ethylhexyl)] bis(dithiophosphate)

## **SECTION 16: Other information**

### **Changes**

Rev. 1,0; Initial release 24.04.2018  
 Rev. 2,0; Revision 03.04.2020 Changes in chapter: 2-16  
 Rev. 3,0; Revision 28.02.2023 Changes in chapter: 1-16

### **Abbreviations and acronyms**

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)  
 CAS: Chemical Abstracts Service  
 CLP: Classification, Labeling, Packaging  
 DNEL: Derived No Effect Level  
 d: day(s)  
 EINECS: European Inventory of Existing Commercial Chemical Substances  
 ELINCS: European List of Notified Chemical Substances  
 ECHA: European Chemicals Agency  
 ECOSAR: Ecological Structure Activity Relationships  
 EWC: European Waste Catalogue  
 IARC: INTERNATIONAL AGENCY FOR RESEARCH ON CANCER  
 IMDG: International Maritime Code for Dangerous Goods  
 IATA: International Air Transport Association  
 IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)  
 ICAO: International Civil Aviation Organization  
 ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO)  
 IUCLID: International Uniform Chemical Information Database  
 GHS: Globally Harmonized System of Classification and Labelling of Chemicals  
 GefStoffV: Gefahrstoffverordnung (Ordinance on Hazardous Substances, Germany)  
 OECD: Organisation for Economic Co-operation and Development  
 PNEC: Predicted No Effect Concentration  
 PBT: Persistent, bio-cumulative, toxic  
 QSAR: Quantitative Structure-Activity Relationship  
 RID: Regulation Concerning the International Transport of Dangerous Goods by Rail  
 RTECS: Registry of Toxic Effects of Chemical Substances  
 SVHC: Substance of Very High Concern  
 TRGS: Technische Regeln für Gefahrstoffe  
 UN: United Nations  
 vPvB: very persistent and very bio-cumulative  
 VOC: Volatile Organic Compounds  
 w: week(s)

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### Classification for mixtures and used evaluation method according to GB CLP Regulation

Classification	Classification procedure
Eye Irrit. 2; H319	Calculation method
Aquatic Acute 1; H400	Calculation method
Aquatic Chronic 1; H410	Calculation method

### Relevant H and EUH statements (number and full text)

H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H331	Toxic 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.
EUH066	Repeated exposure may cause skin dryness or cracking.

### Further Information

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

*(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)*