

**Safety Data Sheet**

according to Regulation (EC) No 1907/2006

**SRS Wiolin Hypoid-Getriebeöl 85W-140**

Revision date: 01.07.2023

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**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1. Product identifier**

SRS Wiolin Hypoid-Getriebeöl 85W-140

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

gear oil

**Uses advised against**

none

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

Company name: SRS Schmierstoff Vertrieb GmbH  
Street: Neuenkirchener Straße 8  
Place: D-48497 Salzbergen  
Telephone: 05976 - 945-0  
Responsible Department: Abt. Produktsicherheit: info.reach@srs-oil.de

**1.4. Emergency telephone number:** Gift-Informationszentrum Nord (Göttingen)  
Telefon 0551-19240

**SECTION 2: Hazards identification****2.1. Classification of the substance or mixture****Regulation (EC) No 1272/2008**

This mixture is not classified as hazardous in accordance with Regulation (EC) No 1272/2008.

**2.2. Label elements****Regulation (EC) No 1272/2008****Special labelling of certain mixtures**

EUH208 Contains Reaction products of bis(4-methylpentan-2-yl)dithiophosphoric acid with phosphorus oxide, propylene oxide and amines, C12-14 alkyl (branched); Reaction product of 1,3,4-thiadiazolidine-2,5-dithione, formaldehyde and phenol, heptyl derivs. May produce an allergic reaction.

EUH210 Safety data sheet available on request.

**2.3. Other hazards**

Endocrine disrupting properties: Reaction product of 1,3,4-thiadiazolidine-2,5-dithione, formaldehyde and phenol, heptyl derivs.

This mixture contains the following substances of very high concern (SVHC) which are included in the Candidate List according to Article 59 of REACH:

&gt; 0,1%: Reaction product of 1,3,4-thiadiazolidine-2,5-dithione, formaldehyde and phenol, heptyl derivs

&lt; 0,1%: not relevant

For information or further instructions, see also section 11 or 12.

**SECTION 3: Composition/information on ingredients****3.2. Mixtures****Hazardous components**

| CAS No | Chemical name   | Quantity |                  |           |
|--------|---|----------|------------------|-----------|
|        | EC No   | Index No | REACH No         |           |
|        | Classification (Regulation (EC) No 1272/2008)   |          |                  |           |
|        | Reaction products of bis(4-methylpentan-2-yl)dithiophosphoric acid with phosphorus oxide, propylene oxide and amines, C12-14 alkyl (branched) |          |                  | 1 - < 3 % |
|        | 931-384-6   |          | 01-2119493620-38 |           |

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|--------------|---|------------------|
|              | Acute Tox. 4, Eye Irrit. 2, Skin Sens. 1, Aquatic Chronic 2; H302 H319 H317 H411                    |                  |
| 1471311-26-8 | Reaction product of 1,3,4-thiadiazolidine-2,5-dithione, formaldehyde and phenol, heptyl derivs      | 0.1 - < 0.2 %    |
|              | 939-460-0   | 01-2119971727-23 |
|              | Flam. Liq. 3, Skin Irrit. 2, Eye Dam. 1, Skin Sens. 1B, Aquatic Chronic 3; H226 H315 H318 H317 H412 |                  |

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

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

| CAS No       | EC No     | Chemical name   | Quantity      |
|--------------|-----------|---|---------------|
|              |           | Specific Conc. Limits, M-factors and ATE  |               |
|              | 931-384-6 | Reaction products of bis(4-methylpentan-2-yl)dithiophosphoric acid with phosphorus oxide, propylene oxide and amines, C12-14 alkyl (branched) | 1 - < 3 %     |
|              |           | oral: LD50 = > 2000 mg/kg Eye Irrit. 2; H319: >= 50 - 100 Skin Sens. 1; H317: >= 9,39 - 100   |               |
| 1471311-26-8 | 939-460-0 | Reaction product of 1,3,4-thiadiazolidine-2,5-dithione, formaldehyde and phenol, heptyl derivs  | 0.1 - < 0.2 % |
|              |           | dermal: LD50 = > 2000 mg/kg; oral: LD50 = > 2000 mg/kg  |               |

## 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

In case of accident by inhalation: remove casualty to fresh air and keep at rest. In case of allergic symptoms, especially in the breathing area, seek medical advice immediately. Apply cortisone spray at early stage.

#### 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.

#### After ingestion

Do NOT induce vomiting. Rinse mouth thoroughly with water. Let water be drunken in little sips (dilution effect). Never give anything by mouth to an unconscious person or a person with cramps. When in doubt or if symptoms are observed, get medical advice.

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

If swallowed or in the event of vomiting, risk of entering the lungs.

### 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. Foam. Carbon dioxide (CO<sub>2</sub>). Extinguishing powder. In case of major fire and large quantities: Water spray jet. Water mist.

#### Unsuitable extinguishing media

High power water jet.

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

Burning produces heavy smoke.

In case of fire may be liberated: Carbon monoxide (CO). Carbon dioxide (CO<sub>2</sub>) Sulphur dioxide (SO<sub>2</sub>) Nitrogen oxides (NO<sub>x</sub>)



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

In case of fire and/or explosion do not breathe fumes.

#### **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**

Avoid contact with skin, eyes and clothes.

Avoid formation of oil dust.

Ventilate affected area.

Special danger of slipping by leaking/spilling product.

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

Wear personal protection equipment (refer to section 8).

##### **For emergency responders**

No special precautionary measures are necessary.

#### **6.2. Environmental precautions**

Do not allow to enter into surface water or drains. 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**

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents).

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**

No information available.

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

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

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

Wear suitable protective clothing. ( See section 8. ) Avoid contact with skin, eyes and clothes.

Avoid formation of oil dust.

Do not breathe aerosol.

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

Usual measures for fire prevention. Keep away from sources of ignition - No smoking.

Fire class B

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

Clean skin thoroughly after working.

Do not put any product-impregnated cleaning rags into your trouser pockets.

Contaminated work clothing should not be allowed out of the workplace.

Wash contaminated clothing before reuse.

When using do not eat, drink or smoke.

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

Do not breathe vapour/aerosol.

Avoid contact with eyes and skin.

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.

#### Hints on joint storage

Do not store together with: Gas. Explosives. Oxidizing substances. Radioactive substances. Infectious substances

#### Further information on storage conditions

Temperature control required. Protect from light. Keep container tightly closed. Do not allow contact with air.

#### 7.3. Specific end use(s)

See section 1.

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

##### DNEL/DMEL values

| CAS No       | Name of agent   | Exposure route | Effect   | Value                    |
|--------------|---|----------------|----------|--------------------------|
|              | Reaction products of bis(4-methylpentan-2-yl)dithiophosphoric acid with phosphorus oxide, propylene oxide and amines, C12-14 alkyl (branched) |                |          |                          |
|              | Worker DNEL, long-term  | inhalation     | systemic | 4,28 mg/m <sup>3</sup>   |
|              | Worker DNEL, long-term  | dermal         | systemic | 12,5 mg/kg bw/day        |
|              | Consumer DNEL, long-term  | inhalation     | systemic | 1,09 mg/m <sup>3</sup>   |
|              | Consumer DNEL, long-term  | dermal         | systemic | 6,25 mg/kg bw/day        |
|              | Consumer DNEL, acute  | dermal         | local    | 0.024 mg/cm <sup>2</sup> |
|              | Consumer DNEL, long-term  | oral           | systemic | 0,25 mg/kg bw/day        |
| 1471311-26-8 | Reaction product of 1,3,4-thiadiazolidine-2,5-dithione, formaldehyde and phenol, heptyl derivs  |                |          |                          |
|              | Worker DNEL, long-term  | inhalation     | systemic | 2.35 mg/m <sup>3</sup>   |
|              | Worker DNEL, long-term  | dermal         | systemic | 66.7 mg/kg bw/day        |
|              | Consumer DNEL, long-term  | inhalation     | systemic | 0.58 mg/m <sup>3</sup>   |
|              | Consumer DNEL, long-term  | dermal         | systemic | 33.33 mg/kg bw/day       |
|              | Consumer DNEL, long-term  | oral           | systemic | 0.33 mg/kg bw/day        |

##### PNEC values

| CAS No | Name of agent   | Value         |
|--------|---|---------------|
|        | Reaction products of bis(4-methylpentan-2-yl)dithiophosphoric acid with phosphorus oxide, propylene oxide and amines, C12-14 alkyl (branched) |               |
|        | Freshwater  | 0,0024 mg/l   |
|        | Freshwater (intermittent releases)  | 0,15 mg/l     |
|        | Marine water  | 0,00024 mg/l  |
|        | Freshwater sediment   | 0,0129 mg/kg  |
|        | Marine sediment   | 0,00129 mg/kg |

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|  |  |
|--|--|
| Secondary poisoning                              | 10 mg/kg   |
| Micro-organisms in sewage treatment plants (STP) | 24,33 mg/l   |
| Soil   | 0,00117 mg/kg  |
| 1471311-26-8                                     | Reaction product of 1,3,4-thiadiazolidine-2,5-dithione, formaldehyde and phenol, heptyl derivs |
| Freshwater                                       | 0.026 mg/l   |
| Marine water                                     | 0.003 mg/l   |
| Freshwater sediment                              | 1108.6 mg/kg   |
| Marine sediment                                  | 110.86 mg/kg   |
| Secondary poisoning                              | 6.7 mg/kg  |
| Micro-organisms in sewage treatment plants (STP) | 45.5 mg/l  |
| Soil   | 221.48 mg/kg   |

#### Additional advice on limit values

Air limit values:

Possibility of exposure to Aerosol (Mineral oil )

Limit value (TLV-TWA ) = 5 mg/ m<sup>3</sup> - Source: ACGIH

Limit value (TLV-STEL ) = 10 mg/ m<sup>3</sup> - Source: ACGIH

STEL: short-term exposure limits

TLV: Threshold Limiting Value

TWA: time weighted average

ACGIH: American Conference of Governmental Industrial Hygienists

#### 8.2. Exposure controls



#### Appropriate engineering controls

Provide adequate ventilation.

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

##### Eye/face protection

Safety goggles with side protection. In case of increased risk add protective face shield. EN 166

##### Hand protection

Use safety gloves of following materials: NBR (nitrile) / neopren / viton (permeationslevel 5 - 6), Cat. II according to norm EN 374/EN 388.

The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances.

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.

Gloves must be periodically inspected and changed in case of wear, perforations or contaminations.

In the case of wanting to use the gloves again, clean them before taking off and air them well.

##### Skin protection

Oil-resistant and hardly inflammable protective clothing.

##### Respiratory protection

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

Respiratory protection necessary at:

-aerosol or mist formation

-Exceeding exposure limit values

Suitable respiratory protection apparatus: Respiratory equipment in case of nebulosity or aerosol: Use a mask



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with a filter type A2, A2/P2 or ABEK.

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

No information available.

## SECTION 9: Physical and chemical properties

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

Physical state:

Colour: -

Odour: -

Melting point/freezing point:

Boiling point or initial boiling point and

boiling range:

Flammability:

Lower explosion limits:

Upper explosion limits:

Flash point:

Auto-ignition temperature:

Decomposition temperature:

pH-Value:

Viscosity / kinematic:

(at 40 °C)

Water solubility:

Solubility in other solvents

No information available.

Partition coefficient n-octanol/water:

Vapour pressure:

(at 20 °C)

Vapour pressure:

(at 50 °C)

Density (at 15 °C):

Bulk density:

Relative vapour density:

Particle characteristics:

#### Test method

No information available.

No information available.

No information available.

No information available.

No information available.

224 °C DIN ISO 2592

No information available.

No information available.

No information available.

373 mm<sup>2</sup>/s DIN EN ISO 3104

No information available.

No information available.

No information available.

No information available.

0,904 g/cm<sup>3</sup> DIN 51757

No information available.

No information available.

No information available.

### 9.2. Other information

#### Information with regard to physical hazard classes

Explosive properties

none

Sustaining combustion:

No data available

Self-ignition temperature

Solid:

No information available.

Gas:

No information available.

Oxidizing properties

none

#### Other safety characteristics

Evaporation rate:

No information available.

Solvent separation test:

No information available.

Solvent content:

No information available.

Solid content:

No information available.

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|                      |                           |
|----------------------|---------------------------|
| Sublimation point:   | No information available. |
| Softening point:     | No information available. |
| Pour point:          | -15 °C ASTM D 5985        |
| Viscosity / dynamic: | No information available. |
| Flow time:           | No information available. |

#### SECTION 10: Stability and reactivity

##### 10.1. Reactivity

No information available.

##### 10.2. Chemical stability

Stable at ambient temperature.

##### 10.3. Possibility of hazardous reactions

No hazardous reactions known.

##### 10.4. Conditions to avoid

No information available.

##### 10.5. Incompatible materials

Oxidising agent, strong

##### 10.6. Hazardous decomposition products

No known hazardous decomposition products.

#### SECTION 11: Toxicological information

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

###### **Toxicokinetics, metabolism and distribution**

No information available.

###### **Acute toxicity**

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

###### **ATEmix calculated**

ATE (oral) > 2000 mg/kg; ATE (dermal) > 2000 mg/kg; ATE (inhalation vapour) > 20 mg/l; ATE (inhalation dust/mist) > 5 mg/l

| CAS No       | Chemical name   |                   |         |              |                    |
|--------------|---|-------------------|---------|--------------|--------------------|
|              | Exposure route  | Dose              | Species | Source       | Method             |
|              | Reaction products of bis(4-methylpentan-2-yl)dithiophosphoric acid with phosphorus oxide, propylene oxide and amines, C12-14 alkyl (branched) |                   |         |              |                    |
|              | oral  | LD50 > 2000 mg/kg | Rat     | ECHA Dossier | OECD Guideline 401 |
| 1471311-26-8 | Reaction product of 1,3,4-thiadiazolidine-2,5-dithione, formaldehyde and phenol, heptyl derivs  |                   |         |              |                    |
|              | oral  | LD50 > 2000 mg/kg | Rat     | ECHA Dossier |                    |
|              | dermal  | LD50 > 2000 mg/kg | Rat     | ECHA Dossier | OECD Guideline 402 |

###### **Irritation and corrosivity**

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

Reaction products of bis(4-methylpentan-2-yl)dithiophosphoric acid with phosphorus oxide, propylene oxide and amines, C12-14 alkyl (branched):

Risk of serious damage to eyes. Specific concentration limit (SCL): Eye Dam. 1: > 50%

Irritant effect on the eye: Not an irritant. By analogy. Raw material classification

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#### Sensitising effects

Contains Reaction products of bis(4-methylpentan-2-yl)dithiophosphoric acid with phosphorus oxide, propylene oxide and amines, C12-14 alkyl (branched); Reaction product of 1,3,4-thiadiazolidine-2,5-dithione, formaldehyde and phenol, heptyl derivs. May produce an allergic reaction.

Reaction products of bis(4-methylpentan-2-yl)dithiophosphoric acid with phosphorus oxide, propylene oxide and amines, C12-14 alkyl (branched):

Skin sensitisation: negative.

Specific concentration limit (SCL): Skin Sens. 1 = 10%

Method: human repeat insult patch tests (HRIPT).

#### Carcinogenic/mutagenic/toxic effects for reproduction

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

Reaction products of bis(4-methylpentan-2-yl)dithiophosphoric acid with phosphorus oxide, propylene oxide and amines, C12-14 alkyl (branched):

In vitro mutagenicity/genotoxicity: Method: OECD Guideline 476 (In vitro Mammalian Cell Gene Mutation Test);

Result: negative. Literature information: ECHA Dossier; Reproductive toxicity: Species: Rat (Wistar); Method: OECD Guideline 421 (Reproduction / Developmental Toxicity Screening Test); Result: NOAEL = 150 mg/kg

Literature information: ECHA Dossier; Developmental toxicity/teratogenicity: Species: Rat (Wistar); Method: other guideline: Reproduction/developmental screening test. Result: NOAEL = 150 mg/kg; Literature information: ECHA Dossier

(Z)-octadec-9-enylamine, C16-18-(even numbered, saturated and unsaturated)-alkylamines:

In vitro mutagenicity/genotoxicity:

-OECD Guideline 471 (Bacterial Reverse Mutation Assay)

Result: negative. (REACD ACROSS)

Literature information: ECHA Dossier

Reproductive toxicity:

Method: OECD Guideline 421 (Reproduction / Developmental Toxicity Screening Test)

Species: Rat; Results: NOAEL = 12,5 0 mg/kg (F1)

Literature information: ECHA Dossier

Developmental toxicity/teratogenicity:

Species: Rabbit

Results: NOAEL > 30 mg/kg (fetus)

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.

Reaction products of bis(4-methylpentan-2-yl)dithiophosphoric acid with phosphorus oxide, propylene oxide and amines, C12-14 alkyl (branched):

Subacute oral toxicity: Method: -; Species: Rat; Results: NOAEL = 150 mg/kg; Literature information: ECHA Dossier

(Z)-octadec-9-enylamine, C16-18-(even numbered, saturated and unsaturated)-alkylamines:

Subacute oral toxicity:

Method: OECD Guideline 407 (Repeated Dose 28-Day Oral Toxicity in Rodents)

Species: Sprague-Dawley Rat

Results: NOAEL = 3,25 mg/kg

Subacute dermal toxicity:

Method: -, 14 d

Species: Sprague-Dawley Rat

Results: LOAEL = 12,5 mg/kg

Literature information: ECHA Dossier

#### Aspiration hazard

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



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#### 11.2. Information on other hazards

##### Endocrine disrupting properties

No information available.

##### Other information

Frequent contact specially if dried out may cause skin and eye irritations.

### SECTION 12: Ecological information

#### 12.1. Toxicity

Environmental properties: none (Analogous to a product of similar composition )

Method: OECD 211

Species: Daphnia magna

Test duration: 21d

Result: EL 50 (Reproductive toxicity, Immobilisation) > 100 mg/l ; NOELR (Immobilisation) = 100 mg/l

| CAS No       | Chemical name   |                      |           |   |              |                    |
|--------------|---|----------------------|-----------|---|--------------|--------------------|
|              | Aquatic toxicity  | Dose                 | [h]   [d] | Species   | Source       | Method             |
|              | Reaction products of bis(4-methylpentan-2-yl)dithiophosphoric acid with phosphorus oxide, propylene oxide and amines, C12-14 alkyl (branched) |                      |           |   |              |                    |
|              | Acute fish toxicity   | LC50 mg/l ca. 8,5    | 96 h      | Oncorhynchus mykiss                                 | ECHA Dossier | OECD Guideline 203 |
|              | Acute algae toxicity  | ErC50 6,4 mg/l       | 96 h      | Raphidocelis subcapitata                            | ECHA Dossier | OECD Guideline 201 |
|              | Acute crustacea toxicity  | EL50 mg/l ca. 91,4   | 48 h      | Daphnia magna                                       | ECHA Dossier | OECD Guideline 202 |
|              | Acute bacteria toxicity   | (EC50 mg/l) ca. 2433 | 3 h       | activated sludge, domestic                          | ECHA Dossier | OECD Guideline 209 |
| 1471311-26-8 | Reaction product of 1,3,4-thiadiazolidine-2,5-dithione, formaldehyde and phenol, heptyl derivs  |                      |           |   |              |                    |
|              | Acute algae toxicity  | ErC50 25 mg/l        | 72 h      | Pseudokirchneriella subcapitata                     | ECHA Dossier | OECD Guideline 201 |
|              | Acute bacteria toxicity   | (EC50 mg/l) 4550     | 3 h       | activated sludge of a predominantly domestic sewage | ECHA Dossier | OECD Guideline 209 |

#### 12.2. Persistence and degradability

The product is slightly soluble in water. It can be largely eliminated from the water by abiotic processes, e.g. mechanical separation.

| CAS No       | Chemical name   |       |    |              |
|--------------|---|-------|----|--------------|
|              | Method  | Value | d  | Source       |
|              | Evaluation  |       |    |              |
|              | Reaction products of bis(4-methylpentan-2-yl)dithiophosphoric acid with phosphorus oxide, propylene oxide and amines, C12-14 alkyl (branched) |       |    |              |
|              | ASTM D-5864-95  | 3,6%  | 28 | ECHA Dossier |
|              | not readily degradable  |       |    |              |
| 1471311-26-8 | Reaction product of 1,3,4-thiadiazolidine-2,5-dithione, formaldehyde and phenol, heptyl derivs  |       |    |              |
|              | OECD Guideline 301 B  | 17,4% | 28 | ECHA Dossier |

#### 12.3. Bioaccumulative potential

No indication of bioaccumulation potential.

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

| CAS No | Chemical name | Log Pow |
|--------|---------------|---------|
|        |               |         |

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|              | Reaction products of bis(4-methylpentan-2-yl)dithiophosphoric acid with phosphorus oxide, propylene oxide and amines, C12-14 alkyl (branched) | < 0,3   |
| 1471311-26-8 | Reaction product of 1,3,4-thiadiazolidine-2,5-dithione, formaldehyde and phenol, heptyl derivs  | >= 5,31 |

#### BCF

| CAS No | Chemical name   | BCF | Species              | Source       |
|--------|---|-----|----------------------|--------------|
|        | Reaction products of bis(4-methylpentan-2-yl)dithiophosphoric acid with phosphorus oxide, propylene oxide and amines, C12-14 alkyl (branched) | 436 | Onchorhynchus mykiss | ECHA Dossier |

#### 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 REACH, annex XIII.  
The aforementioned statement applies to substances contained in the product with a minimum content of 0.1%.

#### 12.6. Endocrine disrupting properties

Endocrine disrupting properties: Reaction product of 1,3,4-thiadiazolidine-2,5-dithione, formaldehyde and phenol, heptyl derivs.  
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.

#### Further information

Ozone depletion potential (ODP): No information available.

### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

##### Disposal recommendations

Dispose of waste according to applicable legislation. Consult the local waste disposal expert about waste disposal. Non-contaminated packages may be recycled. The allocation of waste identity numbers/waste descriptions must be carried out according to the EEC, specific to the industry and process.

##### 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.

### SECTION 14: Transport information

#### Land transport (ADR/RID)

|  |  |
|--|--|
| <b>14.1. UN number or ID number:</b>     | No dangerous good in sense of this transport regulation. |
| <b>14.2. UN proper shipping name:</b>    | No dangerous good in sense of this transport regulation. |
| <b>14.3. Transport hazard class(es):</b> | No dangerous good in sense of this transport regulation. |
| <b>14.4. Packing group:</b>              | No dangerous good in sense of this transport regulation. |

#### Inland waterways transport (ADN)

|  |  |
|--|--|
| <b>14.1. UN number or ID number:</b>     | No dangerous good in sense of this transport regulation. |
| <b>14.2. UN proper shipping name:</b>    | No dangerous good in sense of this transport regulation. |
| <b>14.3. Transport hazard class(es):</b> | No dangerous good in sense of this transport regulation. |

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**14.4. Packing group:** No dangerous good in sense of this transport regulation.**Marine transport (IMDG)****14.1. UN number or ID number:** No dangerous good in sense of this transport regulation.**14.2. UN proper shipping name:** No dangerous good in sense of this transport regulation.**14.3. Transport hazard class(es):** No dangerous good in sense of this transport regulation.**14.4. Packing group:** No dangerous good in sense of this transport regulation.**Air transport (ICAO-TI/IATA-DGR)****14.1. UN number or ID number:** No dangerous good in sense of this transport regulation.**14.2. UN proper shipping name:** No dangerous good in sense of this transport regulation.**14.3. Transport hazard class(es):** No dangerous good in sense of this transport regulation.**14.4. Packing group:** No dangerous good in sense of this transport regulation.**14.5. Environmental hazards**

ENVIRONMENTALLY HAZARDOUS: No

**14.6. Special precautions for user**

Informations for safe handling see chapter 7.

Informations for personal protective equipment see chapter 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**

Authorisations (REACH, annex XIV):

Reaction product of 1,3,4-thiadiazolidine-2,5-dithione, formaldehyde and phenol, heptyl derivs

Restrictions on use (REACH, annex XVII):

Entry 75

2010/75/EU (VOC): No information available.

2004/42/EC (VOC): No information available.

**Additional information**

Safety Data Sheet according to Regulation (EC) No. 1907/2006 (amended by Regulation (EU) No 2020/878)

This mixture is classified as not hazardous according to Regulation (EC) 1272/2008 [CLP].

REACH 1907/2006 Appendix XVII, No (mixture): not relevant

Observe in addition any national regulations!

**National regulatory information**

Water hazard class (D): 2 - obviously hazardous to water

**Additional information**

Regulation (EC) No 649/2012 of the European Parliament and of the Council concerning the export and import of dangerous chemicals: not relevant

15.2 Chemical Safety Assessment

not applicable.

Water hazard class (WGK) = \*

\*To follow: SECTION 12: Ecological information

15.2 Chemical Safety Assessment

not applicable.

**SECTION 16: Other information**

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#### Changes

- Rev.: 1,0 - 09.05.2015
- Rev.: 1,01 - 22.07.2015
- Rev.: 1,1 - 06.07.2016
- Rev.: 2,0 - 07.07.2017
- Rev.: 3,0 - 29.06.2018
- Rev.: 4,0 - 25.06.2019
- Rev.: 4,1 - 23.10.2019
- Rev.: 5,0 - 09.10.2020; Changes in chapter: 3.2, 16
- Rev.: 6,0 - 14.10.2021, Changes in chapter: 2.3, 3.2, 6.1, 6.3, 11.2, 12.5, 12.6, 12.7, 15.1, 16
- Rev.: 6,1 - 04.04.2022, Changes in chapter: 2.3, 3.2, 8.1, 11.1, 12.1, 12.2, 12.3, 12.5, 12.6, 15.1, 16
- Rev.: 6.2 - 29.07.2022, Changes in chapter: 2.3, 3.2, 8.1, 8.2, 12.1, 12.3, 12.5, 12.6, 16
- Rev.: 7.0 - 01.07.2023, Changes in chapter: 2.3, 9.1, 12.5, 12.7, 16

#### Abbreviations and acronyms

- CAS: Chemical Abstracts Service
- DNEL: Derived No Effect Level
- 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)
- GHS: Globally Harmonized System of Classification and Labelling of Chemicals
- GefStoffV: Gefahrstoffverordnung (Ordinance on Hazardous Substances, Germany)
- LOAEL: Lowest observed adverse effect level
- LOAEC: Lowest observed adverse effect concentration
- LC50: Lethal concentration, 50 percent
- LD50: Lethal dose, 50 percent
- NOAEL: No observed adverse effect level
- NOAEC: No observed adverse effect concentration
- NTP: National Toxicology Program
- N/A: not applicable
- PNEC: predicted no effect concentration
- PBT: Persistent bioaccumulative toxic
- RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail )
- SVHC: substance of very high concern
- TRGS Technische Regeln fuerGefahrstoffe
- TSCA: Toxic Substances Control Act
- VOC: Volatile Organic Compounds

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

- |        |   |
|--------|---|
| H226   | Flammable liquid and vapour.  |
| H302   | Harmful if swallowed.   |
| H315   | Causes skin irritation.   |
| H317   | May cause an allergic skin reaction.  |
| H318   | Causes serious eye damage.  |
| H319   | Causes serious eye irritation.  |
| H411   | Toxic to aquatic life with long lasting effects.  |
| H412   | Harmful to aquatic life with long lasting effects.  |
| EUH208 | Contains Reaction products of bis(4-methylpentan-2-yl)dithiophosphoric acid with phosphorus oxide, propylene oxide and amines, C12-14 alkyl (branched); Reaction product of 1,3,4-thiadiazolidine-2,5-dithione, formaldehyde and phenol, heptyl derivs. May produce an allergic reaction. |

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EUH210 Safety data sheet available on request.

**Further Information**

Classification according to Regulation (EC) No 1272/2008 [CLP] - Classification procedure:

Health hazards: Calculation method.

Environmental hazards: By analogy.

Physical hazards: On basis of test data

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.)*