



# Safety Data Sheet

according to Regulation (EC) No 1907/2006

## SRS VIVA 1 special F plus

Revision date: 20.03.2024

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

#### 1.1. Product identifier

SRS VIVA 1 special F plus

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

##### Use of the substance/mixture

engine 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:

Gifft-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 C14-16-18 Alkyl phenol,  $\mu$ 3-thio-1,2:1,3:2,3-tris( $\mu$ -disulfido-k2S)-1,2,3-tris(dialkylidithiocarbamate)-triangulo-trimolybdenum(IV)dialkylidithiocarbamate. May produce an allergic reaction.

EUH210 Safety data sheet available on request.

#### 2.3. Other hazards

This mixture contains no substances of very high concern (SVHC) (>0,1%) which are included in the Candidate List according to Article 59 of REACH.  
For information or further instructions, see also section 11 or 12.

### SECTION 3: Composition/information on ingredients

#### 3.2. Mixtures

##### Relevant ingredients

| CAS No     | Chemical name   | Quantity     |                  |             |
|------------|---|--------------|------------------|-------------|
|            | EC No   | Index No     | REACH No         |             |
|            | Classification (Regulation (EC) No 1272/2008)   |              |                  |             |
| 64742-54-7 | Distillates (petroleum), hydrotreated heavy paraffinic; Baseoil - unspecified               |              |                  | 80 - < 85 % |
|            | 265-157-1   | 649-467-00-8 | 01-2119484627-25 |             |
|            | Asp. Tox. 1; H304   |              |                  |             |
| 72623-86-0 | Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based; Baseoil - unspecified |              |                  | 1 - < 3 %   |
|            | 276-737-9   | 649-482-00-X | 01-2119474878-16 |             |
|            | Asp. Tox. 1; H304   |              |                  |             |

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|--------------|--|--------------|------------------|---------------|
| 72623-87-1   | Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based; Baseoil - unspecified                                    |              |                  | 1 - < 3 %     |
|              | 276-738-4  | 649-483-00-5 | 01-2119474889-13 |               |
|              | Asp. Tox. 1; H304  |              |                  |               |
| 64742-70-7   | Paraffin oils (petroleum), catalytic dewaxed heavy; Baseoil - unspecified  |              |                  | 1 - < 3 %     |
|              | 265-174-4  | 649-477-00-2 | 01-2119487080-42 |               |
|              | Asp. Tox. 1; H304  |              |                  |               |
| 64742-65-0   | Distillates (petroleum), solvent-dewaxed heavy paraffinic; Baseoil - unspecified   |              |                  | 1 - < 3 %     |
|              | 265-169-7  | 649-474-00-6 | 01-2119471299-27 |               |
|              | Asp. Tox. 1; H304  |              |                  |               |
| 64742-56-9   | Distillates (petroleum), solvent-dewaxed light paraffinic; Baseoil - unspecified   |              |                  | 1 - < 3 %     |
|              | 265-159-2  | 649-469-00-9 | 01-2119480132-48 |               |
|              | Asp. Tox. 1; H304  |              |                  |               |
| 1190625-94-5 | C14-16-18 Alkyl phenol   |              |                  | 1 - < 3 %     |
|              | 931-468-2  |              | 01-2119498288-19 |               |
|              | Skin Sens. 1B, STOT RE 2; H317 H373  |              |                  |               |
| 28629-66-5   | zinc bis(O,O-diisooctyl) bis(dithiophosphate)  |              |                  | 1 - < 3 %     |
|              | 249-109-7  |              | 01-2119953278-28 |               |
|              | Skin Irrit. 2, Eye Dam. 1, Aquatic Chronic 2; H315 H318 H411   |              |                  |               |
|              | μ3-thio-1,2:1,3:2,3-tris(μ-disulfido-k2S)-1,2,3-tris(dialkyldithiocarbamate)-triangulo-trimolybdenum(IV)dialkyldithiocarbamate |              |                  | 0.1 - < 0.2 % |
|              | 457-320-2  |              | 01-0000019337-66 |               |
|              | Skin Irrit. 2, Skin Sens. 1B, Aquatic Chronic 3; H315 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   |             |
| 64742-54-7   | 265-157-1 | Distillates (petroleum), hydrotreated heavy paraffinic; Baseoil - unspecified                        | 80 - < 85 % |
|              |           | dermal: LD50 = >2000 mg/kg; oral: LD50 = >5000 mg/kg   |             |
| 72623-86-0   | 276-737-9 | Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based; Baseoil - unspecified          | 1 - < 3 %   |
|              |           | dermal: LD50 = > 5000 mg/kg; oral: LD50 = > 5000 mg/kg   |             |
| 72623-87-1   | 276-738-4 | Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based; Baseoil - unspecified          | 1 - < 3 %   |
|              |           | inhalation: LC50 = >5,53 mg/l (dusts or mists); dermal: LD50 = >2000 mg/kg; oral: LD50 = >5000 mg/kg |             |
| 64742-70-7   | 265-174-4 | Paraffin oils (petroleum), catalytic dewaxed heavy; Baseoil - unspecified                            | 1 - < 3 %   |
|              |           | dermal: LD50 = > 5000 mg/kg; oral: LD50 = > 5000 mg/kg   |             |
| 64742-65-0   | 265-169-7 | Distillates (petroleum), solvent-dewaxed heavy paraffinic; Baseoil - unspecified                     | 1 - < 3 %   |
|              |           | dermal: LD50 = >2000 mg/kg; oral: LD50 = >5000 mg/kg   |             |
| 64742-56-9   | 265-159-2 | Distillates (petroleum), solvent-dewaxed light paraffinic; Baseoil - unspecified                     | 1 - < 3 %   |
|              |           | inhalation: LC50 = >5,53 mg/l (dusts or mists); dermal: LD50 = >5000 mg/kg; oral: LD50 = >5000 mg/kg |             |
| 1190625-94-5 | 931-468-2 | C14-16-18 Alkyl phenol   | 1 - < 3 %   |
|              |           | dermal: LD50 = >2000 mg/kg; oral: LD50 = >2000 mg/kg   |             |
| 28629-66-5   | 249-109-7 | zinc bis(O,O-diisooctyl) bis(dithiophosphate)  | 1 - < 3 %   |

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|           |   |               |
|-----------|---|---------------|
|           | dermal: LD50 = >5000 mg/kg; oral: LD50 = 3760 mg/kg Eye Dam. 1; H318: >= 15 - 100 Eye Irrit. 2; H319: >= 14,9 - < 15                      |               |
| 457-320-2 | $\mu$ 3-thio-1,2:1,3:2,3-tris( $\mu$ -disulfido-k2S)-1,2,3-tris(dialkyldithiocarbamato)-triangulo-trimolybdenum(IV)dialkyldithiocarbamate | 0.1 - < 0.2 % |
|           | dermal: LD50 = > 2000 mg/kg; oral: LD50 = > 2000 mg/kg  |               |

#### Further Information

Note L: The harmonised classification as a carcinogen applies unless it can be shown that the substance contains less than 3 % of dimethyl sulphoxide extract as measured by IP 346 ("Determination of polycyclic aromatics in unused lubricating base oils and asphaltene free petroleum fractions – Dimethyl sulphoxide extraction refractive index method" Institute of Petroleum, London).

### 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.

##### 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

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>) Phosphorus oxides

#### 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.

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**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**

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.

**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 articles and floor according to the environmental legislation.

**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 formation of oil dust.

**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.

**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****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 solids. Oxidizing liquids. Radioactive substances.

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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                  |
|--------------------------|---|----------------|----------|------------------------|
| 64742-54-7               | Distillates (petroleum), hydrotreated heavy paraffinic; Baseoil - unspecified               |                |          |                        |
| Worker DNEL, long-term   |   | inhalation     | systemic | 2,73 mg/m <sup>3</sup> |
| Worker DNEL, long-term   |   | inhalation     | local    | 5,58 mg/m <sup>3</sup> |
| Worker DNEL, long-term   |   | dermal         | systemic | 0,97 mg/kg bw/day      |
| Consumer DNEL, long-term |   | inhalation     | local    | 1,19 mg/m <sup>3</sup> |
| Consumer DNEL, long-term |   | oral           | systemic | 0,74 mg/kg bw/day      |
| 72623-86-0               | Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based; Baseoil - unspecified |                |          |                        |
| Worker DNEL, long-term   |   | inhalation     | systemic | 2,73 mg/m <sup>3</sup> |
| Worker DNEL, long-term   |   | inhalation     | local    | 5,58 mg/m <sup>3</sup> |
| Worker DNEL, long-term   |   | dermal         | systemic | 0,97 mg/kg bw/day      |
| Consumer DNEL, long-term |   | inhalation     | local    | 1,19 mg/m <sup>3</sup> |
| Consumer DNEL, long-term |   | oral           | systemic | 0,74 mg/kg bw/day      |
| 72623-87-1               | Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based; Baseoil - unspecified |                |          |                        |
| Worker DNEL, long-term   |   | inhalation     | systemic | 2,73 mg/m <sup>3</sup> |
| Worker DNEL, long-term   |   | inhalation     | local    | 5,58 mg/m <sup>3</sup> |
| Worker DNEL, long-term   |   | dermal         | systemic | 0,97 mg/kg bw/day      |
| Consumer DNEL, long-term |   | inhalation     | local    | 1,19 mg/m <sup>3</sup> |
| Consumer DNEL, long-term |   | oral           | systemic | 0,74 mg/kg bw/day      |
| 64742-70-7               | Paraffin oils (petroleum), catalytic dewaxed heavy; Baseoil - unspecified                   |                |          |                        |
| Worker DNEL, long-term   |   | inhalation     | systemic | 2,73 mg/m <sup>3</sup> |
| Worker DNEL, long-term   |   | inhalation     | local    | 5,58 mg/m <sup>3</sup> |
| Worker DNEL, long-term   |   | dermal         | systemic | 0,97 mg/kg bw/day      |
| Consumer DNEL, long-term |   | inhalation     | local    | 1,19 mg/m <sup>3</sup> |
| Consumer DNEL, long-term |   | oral           | systemic | 0,74 mg/kg bw/day      |
| 64742-65-0               | Distillates (petroleum), solvent-dewaxed heavy paraffinic; Baseoil - unspecified            |                |          |                        |
| Worker DNEL, long-term   |   | inhalation     | systemic | 2,73 mg/m <sup>3</sup> |



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|--------------------------|--|----------|--------------------------|
| Worker DNEL, long-term   | inhalation   | local    | 5,58 mg/m <sup>3</sup>   |
| Worker DNEL, long-term   | dermal   | systemic | 0,97 mg/kg bw/day        |
| Consumer DNEL, long-term | inhalation   | local    | 1,19 mg/m <sup>3</sup>   |
| Consumer DNEL, long-term | oral   | systemic | 0,74 mg/kg bw/day        |
| 64742-56-9               | Distillates (petroleum), solvent-dewaxed light paraffinic; Baseoil - unspecified   |          |                          |
| Worker DNEL, long-term   | inhalation   | systemic | 2,73 mg/m <sup>3</sup>   |
| Worker DNEL, long-term   | inhalation   | local    | 5,58 mg/m <sup>3</sup>   |
| Worker DNEL, long-term   | dermal   | systemic | 0,97 mg/kg bw/day        |
| Consumer DNEL, long-term | inhalation   | local    | 1,19 mg/m <sup>3</sup>   |
| Consumer DNEL, long-term | oral   | systemic | 0,74 mg/kg bw/day        |
| 1190625-94-5             | C14-16-18 Alkyl phenol   |          |                          |
| Worker DNEL, long-term   | inhalation   | systemic | 1,17 mg/m <sup>3</sup>   |
| Worker DNEL, long-term   | dermal   | systemic | 0,3 mg/kg bw/day         |
| 28629-66-5               | zinc bis(O,O-diisooctyl) bis(dithiophosphate)  |          |                          |
| Worker DNEL, long-term   | inhalation   | systemic | 6.55 mg/m <sup>3</sup>   |
| Worker DNEL, long-term   | dermal   | systemic | 9.29 mg/kg bw/day        |
| Consumer DNEL, long-term | inhalation   | systemic | 1.61 mg/m <sup>3</sup>   |
| Consumer DNEL, long-term | dermal   | systemic | 4.65 mg/kg bw/day        |
| Consumer DNEL, long-term | oral   | systemic | 0.19 mg/kg bw/day        |
|                          | μ3-thio-1,2:1,3:2,3-tris(μ-disulfido-k2S)-1,2,3-tris(dialkyldithiocarbamate)-triangulo-trimolybdenum(IV)dialkyldithiocarbamate |          |                          |
| Worker DNEL, long-term   | inhalation   | systemic | 3,52 mg/m <sup>3</sup>   |
| Worker DNEL, long-term   | dermal   | systemic | 2,23 mg/kg bw/day        |
| Worker DNEL, long-term   | dermal   | local    | 0,075 mg/cm <sup>2</sup> |
| Consumer DNEL, long-term | inhalation   | systemic | 1,76 mg/m <sup>3</sup>   |
| Consumer DNEL, long-term | dermal   | systemic | 1,12 mg/kg bw/day        |
| Consumer DNEL, long-term | dermal   | local    | 0,038 mg/cm <sup>2</sup> |
| Consumer DNEL, long-term | oral   | systemic | 0,5 mg/kg bw/day         |

#### PNEC values

| CAS No     | Name of agent   | Value      |
|------------|---|------------|
| 64742-54-7 | Distillates (petroleum), hydrotreated heavy paraffinic; Baseoil - unspecified               |            |
|            | Secondary poisoning   | 9,33 mg/kg |
| 72623-86-0 | Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based; Baseoil - unspecified |            |
|            | Secondary poisoning   | 9,33 mg/kg |
| 72623-87-1 | Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based; Baseoil - unspecified |            |



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| Secondary poisoning                              | 9,33 mg/kg  |
| 64742-70-7                                       | Paraffin oils (petroleum), catalytic dewaxed heavy; Baseoil - unspecified   |
| Secondary poisoning                              | 9,33 mg/kg  |
| 64742-65-0                                       | Distillates (petroleum), solvent-dewaxed heavy paraffinic; Baseoil - unspecified  |
| Secondary poisoning                              | 9,33 mg/kg  |
| 64742-56-9                                       | Distillates (petroleum), solvent-dewaxed light paraffinic; Baseoil - unspecified  |
| Secondary poisoning                              | 9,33 mg/kg  |
| 1190625-94-5                                     | C14-16-18 Alkyl phenol  |
| Freshwater                                       | 0,1 mg/l  |
| Freshwater (intermittent releases)               | 1 mg/l  |
| Marine water                                     | 0,01 mg/l   |
| Freshwater sediment                              | 4266 mg/kg  |
| Marine sediment                                  | 422,6 mg/kg   |
| Secondary poisoning                              | 100 mg/l  |
| Soil   | 852,58 mg/kg  |
| 28629-66-5                                       | zinc bis(O,O-diisooctyl) bis(dithiophosphate)   |
| Freshwater                                       | 0,004 mg/l  |
| Marine water                                     | 0,0046 mg/l   |
| Freshwater sediment                              | 0.144 mg/kg   |
| Marine sediment                                  | 0.0144 mg/kg  |
| Secondary poisoning                              | 8.33 mg/kg  |
| Micro-organisms in sewage treatment plants (STP) | 3 mg/l  |
| Soil   | 0.026 mg/kg   |
|  | $\mu$ 3-thio-1,2:1,3:2,3-tris( $\mu$ -disulfido-k2S)-1,2,3-tris(dialkyldithiocarbamate)-triangulo-trimolybdenum(IV)dialkyldithiocarbamate |
| Freshwater                                       | 0,081 mg/l  |
| Freshwater (intermittent releases)               | 0,14 mg/l   |
| Marine water                                     | 0,008 mg/l  |
| Freshwater sediment                              | 3449 mg/kg  |
| Marine sediment                                  | 344,9 mg/kg   |
| Secondary poisoning                              | 20 mg/kg  |
| Micro-organisms in sewage treatment plants (STP) | 10 mg/l   |
| Soil   | 0,872 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: ACGIHLimit 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**

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#### 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 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.

##### Thermal hazards

Wear protective clothing for operations with hot material: heat resistant coveralls (with trousers legs over boots and sleeves over cuffs of gloves), heat resistant heavy duty antiskid boots (e. g. leather).

##### Environmental exposure controls

No information available.

## SECTION 9: Physical and chemical properties

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

|                 |                |
|-----------------|----------------|
| Physical state: | liquid         |
| Colour:         | clear          |
| Odour:          | characteristic |

#### Test method

|   |                           |
|---|---------------------------|
| Melting point/freezing point:                             | No information available. |
| Boiling point or initial boiling point and boiling range: | No information available. |
| Flammability:   | No information available. |
| Lower explosion limits:                                   | No information available. |
| Upper explosion limits:                                   | No information available. |
| Flash point:  | 234 °C COC                |



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| Auto-ignition temperature:                                | No information available.                |
| Decomposition temperature:                                | No information available.                |
| pH-Value:   | No information available.                |
| Viscosity / kinematic:<br>(at 40 °C)                      | 53,79 mm <sup>2</sup> /s DIN EN ISO 3104 |
| Water solubility:   | Immiscible                               |
| Solubility in other solvents<br>No information available. |  |
| Partition coefficient n-octanol/water:                    | No information available.                |
| Vapour pressure:<br>(at 20 °C)                            | <0,1 hPa calculated.                     |
| Vapour pressure:<br>(at 50 °C)                            | No information available.                |
| Density (at 15 °C):                                       | 0,8484 g/cm <sup>3</sup> DIN 51757       |
| Bulk density:   | No information available.                |
| Relative vapour density:                                  | No information available.                |
| Particle characteristics:                                 | No information available.                |

**9.2. Other information****Information with regard to physical hazard classes**Explosive properties  
noneSustaining combustion:  
Self-ignition temperature

No data available

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.

Sublimation point:

No information available.

Softening point:

No information available.

Pour point:

-39 °C ISO 3016

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**

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

**10.3. Possibility of hazardous reactions**

No hazardous reactions known.

Refer to chapter 10.5.

**10.4. Conditions to avoid**

No information available.

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#### 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             |
| 64742-54-7 | Distillates (petroleum), hydrotreated heavy paraffinic; Baseoil - unspecified               |                   |         |              |                    |
|            | oral  | LD50 >5000 mg/kg  | Rat     | ECHA Dossier | OECD 401           |
|            | dermal  | LD50 >2000 mg/kg  | Rabbit  | ECHA Dossier | OECD 402           |
| 72623-86-0 | Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based; Baseoil - unspecified |                   |         |              |                    |
|            | oral  | LD50 > 5000 mg/kg | Rat     | ECHA Dossier | OECD Guideline 401 |
|            | dermal  | LD50 > 5000 mg/kg | Rabbit  | ECHA Dossier | OECD Guideline 402 |
| 72623-87-1 | Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based; Baseoil - unspecified |                   |         |              |                    |
|            | oral  | LD50 >5000 mg/kg  | Rat     | ECHA Dossier | OECD 401           |
|            | dermal  | LD50 >2000 mg/kg  | Rabbit  | ECHA Dossier | OECD 402           |
|            | inhalation (4 h) dust/mist  | LC50 >5,53 mg/l   | Rat     | ECHA Dossier | OECD 403           |
| 64742-70-7 | Paraffin oils (petroleum), catalytic dewaxed heavy; Baseoil - unspecified                   |                   |         |              |                    |
|            | oral  | LD50 > 5000 mg/kg | Rat     | ECHA Dossier | OECD Guideline 401 |
|            | dermal  | LD50 > 5000 mg/kg | Rabbit  | ECHA Dossier | OECD Guideline 402 |
| 64742-65-0 | Distillates (petroleum), solvent-dewaxed heavy paraffinic; Baseoil - unspecified            |                   |         |              |                    |
|            | oral  | LD50 >5000 mg/kg  | Rat     | ECHA Dossier | OECD 401           |
|            | dermal  | LD50 >2000 mg/kg  | Rabbit  | ECHA Dossier | OECD 402           |
| 64742-56-9 | Distillates (petroleum), solvent-dewaxed light paraffinic; Baseoil - unspecified            |                   |         |              |                    |
|            | oral  | LD50 >5000 mg/kg  | Rat.    | ECHA Dossier |                    |

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|              |  |               |        |         |              |                    |
|--------------|--|---------------|--------|---------|--------------|--------------------|
|              | dermal   | LD50<br>mg/kg | >5000  | Rabbit. | ECHA Dossier |                    |
|              | inhalation (4 h)<br>dust/mist  | LC50<br>mg/l  | >5,53  | Rat.    | ECHA Dossier |                    |
| 1190625-94-5 | C14-16-18 Alkyl phenol   |               |        |         |              |                    |
|              | oral   | LD50<br>mg/kg | >2000  | Rat     | ECHA Dossier |                    |
|              | dermal   | LD50<br>mg/kg | >2000  | Rat     | ECHA Dossier |                    |
| 28629-66-5   | zinc bis(O,O-diisooctyl) bis(dithiophosphate)  |               |        |         |              |                    |
|              | oral   | LD50<br>mg/kg | 3760   | Rat     | ECHA Dossier | OECD 401           |
|              | dermal   | LD50<br>mg/kg | >5000  | Rabbit. | ECHA Dossier | OECD 402           |
|              | μ3-thio-1,2:1,3:2,3-tris(μ-disulfido-k2S)-1,2,3-tris(dialkyldithiocarbamato)-triangulo-trimolybdenum(IV)dialkyldithiocarbamate |               |        |         |              |                    |
|              | oral   | LD50<br>mg/kg | > 2000 | Rat     | ECHA Dossier | OECD Guideline 425 |
|              | dermal   | LD50<br>mg/kg | > 2000 | Rat     | ECHA Dossier | OECD Guideline 402 |

#### Irritation and corrosivity

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

Serious eye damage/eye irritation: Based on available data, the classification criteria are not met.

zinc bis(O,O-diisooctyl) bis(dithiophosphate):

Serious eye damage/eye irritation: Eye Dam. 1:

Specific concentration limit (SCL) > 15 %

Serious eye damage/eye irritation: Eye Irrit. 2:

Specific concentration limit (SCL) = ca. 15 %

Method: EPA OPPTS 870.2400 (15 % solution)

Species: Rabbit

Result: non-irritant.

Literature information: ECHA Dossier

#### Sensitising effects

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

Contains C14-16-18 Alkyl phenol, μ3-thio-1,2:1,3:2,3-tris(μ-disulfido-k2S)-1,2,3-tris(dialkyldithiocarbamato)-triangulo-trimolybdenum(IV)dialkyldithiocarbamate. May produce an allergic reaction.

C14-16-18 Alkyl phenol:

A raw material containing this substance has been tested/evaluated for sensitisation up to a maximum treat rate for the raw material of 10 % with negative results. Based on this, the product itself is not considered to be sensitising to the skin (H317). (Dilution principle).

May cause sensitisation especially in sensitive humans.

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

Germ cell mutagenicity: Based on available data, the classification criteria are not met.

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

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

Distillates (petroleum), hydrotreated heavy paraffinic; Baseoil - unspecified:

In vitro mutagenicity/genotoxicity Method: OECD Guideline 473 (In Vitro Mammalian Chromosomal Aberration)

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Test); Result: negative Literature information: REACH Dossier; Carcinogenicity: Method: OECD Guideline 453 (Combined Chronic Toxicity/Carcinogenicity Studies); Species: Mouse.; Results: Non-carcinogenic if DMSO extract as measured by IP346 is less than 3% m/m. Literature information: REACH Dossier; Reproductive toxicity: Species: Rat (Sprague-Dawley); Method: OECD Guideline 421 (Reproduction / Developmental Toxicity Screening Test); Results: NOAEL > 1000 mg/kg Literature information: REACH Dossier; Developmental toxicity/teratogenicity: Species: Rat (Sprague-Dawley); Method: OECD Guideline 414 (Prenatal Developmental Toxicity Study); Results: NOAEL >= 2000 mg/kg Literature information: REACH Dossier

Baseoil - unspecified, Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based:  
In vitro mutagenicity/genotoxicity: Method: OECD Guideline 476 (In vitro Mammalian Cell Gene Mutation Test); Result: negative Literature information: REACH Dossier; Carcinogenicity: Method: OECD Guideline 453 (Combined Chronic Toxicity / Carcinogenicity Studies); Species: Mouse.; Result: Non-carcinogenic if DMSO extract as measured by IP346 is less than 3% m/m. Literature information: REACH Dossier; Reproductive toxicity: Species: Rat (Sprague-Dawley); Method: OECD Guideline 421 (Reproduction / Developmental Toxicity Screening Test); Result: NOAEL > 1000 mg/kg; Literature information: REACH Dossier; Developmental toxicity/teratogenicity: Species: Rat (Sprague-Dawley); Method: OECD Guideline 414 (Prenatal Developmental Toxicity Study); Result: NOAEL >= 2000 mg/kg; Literature information: REACH Dossier

Baseoil - unspecified, Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based:  
In vitro mutagenicity/genotoxicity: Method: OECD Guideline 476 (In vitro Mammalian Cell Gene Mutation Test); Result: negative Literature information: REACH Dossier; Carcinogenicity: Method: OECD Guideline 453 (Combined Chronic Toxicity / Carcinogenicity Studies); Species: Mouse; Result: Non-carcinogenic if DMSO extract as measured by IP346 is less than 3% m/m.; Literature information: REACH Dossier; Reproductive toxicity: Species: Rat (Sprague-Dawley); Method: OECD Guideline 421 (Reproduction / Developmental Toxicity Screening Test); Result: NOAEL > 1000 mg/kg; Literature information: REACH Dossier; Developmental toxicity/teratogenicity: Species: Rat (Sprague-Dawley); Method: OECD Guideline 414 (Prenatal Developmental Toxicity Study); Result: NOAEL >= 2000 mg/kg; Literature information: REACH Dossier

Distillates (petroleum), solvent-dewaxed heavy paraffinic; Baseoil - unspecified:  
In vitro mutagenicity/genotoxicity:  
-OECD Guideline 471 (Bacterial Reverse Mutation Assay)  
-OECD Guideline 476 (In vitro Mammalian Cell Gene Mutation Test)  
-OECD Guideline 473 (In vitro Mammalian Chromosome Aberration Test)  
Result: negative Literature information: REACH Dossier

Distillates (petroleum), solvent-dewaxed light paraffinic; Baseoil - unspecified:  
In vitro mutagenicity/genotoxicity:  
Method:  
-OECD Guideline 473 (In vitro Mammalian Chromosome Aberration Test)  
-OECD Guideline 476 (In vitro Mammalian Cell Gene Mutation Test)  
-OECD Guideline 471 (Bacterial Reverse Mutation Assay)  
Result: negative  
Literature information: REACH Dossier

Chronic dermal toxicity:  
Exposure time: ~546 d  
Species: Mouse.  
Method: OECD Guideline 451  
Result: Carcinogenicity = negative  
Literature information: REACH Dossier

Reproductive toxicity:

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Exposure route: oral.  
Species: Rat.  
Method: OECD Guideline 421  
Result: NOAEL >1000 mg/kg  
Literature information: REACH Dossier

Developmental toxicity/teratogenicity:  
Exposure route: dermal.  
Species: Rat.  
Method: OECD Guideline 414  
Result: NOAEL >2000 mg/kg  
Literature information: REACH Dossier

zinc bis(O,O-diisooctyl) bis(dithiophosphate):  
In-vitro mutagenicity: Method: OECD Guideline 471 (Bacterial Reverse Mutation Assay): Result: negative  
Literature information: REACH Dossier; Reproductive toxicity: Exposure route: oral. Species: Rat.; Method:  
OECD Guideline 421; Result: NOAEL = 30 mg/kg; Literature information: REACH 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.

Distillates (petroleum), hydrotreated heavy paraffinic; Baseoil - unspecified:  
Subacute inhalative toxicity: Method: -; Exposure time: 28d; Species: Rat; Results: NOAEL >980 mg/m<sup>3</sup>;  
Literature information: REACH Dossier; Subacute dermal toxicity: Method: OECD Guideline 410 (Repeated Dose  
Dermal Toxicity: 21/28-day Study); Exposure time: 28d; Species: Rabbit; Results: 1000 mg/kg; Literature  
information: REACH Dossier

Baseoil - unspecified, Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based:  
Subacute inhalative toxicity: Method: -; Exposure time: 28d. Species: Rat. Results: NOAEL >980 mg/m<sup>3</sup>.  
Literature information: REACH Dossier

Baseoil - unspecified, Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based:  
Subacute inhalative toxicity: Method: -; Exposure time: 28d; Species: Rat; Results: NOAEL >980 mg/m<sup>3</sup>;  
Literature information: REACH Dossier; Subacute dermal toxicity: Method: OECD Guideline 410 (Repeated Dose  
Dermal Toxicity: 21/28-Day Study); Exposure time: 28d; Species: Rabbit; Results: 1000 mg/kg; Literature  
information: REACH Dossier

Distillates (petroleum), solvent-dewaxed heavy paraffinic; Baseoil - unspecified:  
Subacute inhalative toxicity :  
Method: -  
Exposure time: 28d  
Species: Rat  
Results: > 980 mg/m<sup>3</sup>  
Literature information: J Appl Toxicol, Vol 11(4), pp 297-302

Subacute dermal toxicity :  
Method: OECD Guideline 410 (Repeated Dose Dermal Toxicity: 21/28-Day Study)  
Exposure time: 28d  
Species: Rabbit  
Results: 1000 mg/kg  
Literature information: REACH Dossier

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Distillates (petroleum), solvent-dewaxed light paraffinic; Baseoil - unspecified:

Subchronic oral toxicity:

Exposure time: 90d

Species: Sprague-Dawley Rat.

Method: OECD Guideline 408

Result: LOAEL = 125 mg/kg

Literature information: REACH Dossier

Subacute inhalative toxicity :

Exposure time: 28d

Species: Sprague-Dawley Rat.

Result: NOAEC > 980 mg/m<sup>3</sup>

Literature information: REACH Dossier

Subacute dermal toxicity:

Exposure time: 28d

Species: Rabbit

Method: OECD Guideline 410

Result: NOAEL 1000 mg/kg

Literature information: REACH Dossier

zinc bis(O,O-diisooctyl) 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: REACH Dossier

Subacute dermal toxicity: Method: OECD Guideline 410 (Repeated Dose Dermal Toxicity: 21/28-Day Study);

Species: Rabbit ; Results: NOAEL = 100 mg/kg; Literature information: REACH Dossier

#### Aspiration hazard

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

#### 11.2. Information on other hazards

##### 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

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

### SECTION 12: Ecological information

#### 12.1. Toxicity

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

| CAS No     | Chemical name   |                   |           |                          |                                   |                    |
|------------|---|-------------------|-----------|--------------------------|-----------------------------------|--------------------|
|            | Aquatic toxicity  | Dose              | [h]   [d] | Species                  | Source                            | Method             |
| 64742-54-7 | Distillates (petroleum), hydrotreated heavy paraffinic; Baseoil - unspecified               |                   |           |                          |                                   |                    |
|            | Crustacea toxicity  | NOEC 10 mg/l      | 21 d      | Daphnia magna (OECD 211) | ECHA Dossier                      |                    |
| 72623-86-0 | Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based; Baseoil - unspecified |                   |           |                          |                                   |                    |
|            | Fish toxicity   | NOEC >= 1000 mg/l | 14 d      | Oncorhynchus mykiss      | CONCAWE, Brussels, Belgium (2010) |                    |
| 64742-70-7 | Paraffin oils (petroleum), catalytic dewaxed heavy; Baseoil - unspecified                   |                   |           |                          |                                   |                    |
|            | Acute fish toxicity   | LL50 > 100 mg/l   | 96 h      | Pimephales promelas      | ECHA Dossier                      | OECD Guideline 203 |

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|                  |   |                   |          |      |   |   |   |
|------------------|---|-------------------|----------|------|---|---|---|
|                  | Fish toxicity   | NOEC<br>mg/l      | >= 1000  | 14 d | Oncorhynchus mykiss                                       | CONCAWE,<br>Brussels,<br>Belgium (2010) |   |
| 64742-65-0       | Distillates (petroleum), solvent-dewaxed heavy paraffinic; Baseoil - unspecified  |                   |          |      |   |   |   |
|                  | Acute fish toxicity   | LL50<br>mg/l      | > 100    | 96 h | Pimephales<br>promelas                                    | ECHA Dossier                            | OECD Guideline<br>203                         |
|                  | Fish toxicity   | NOEC<br>mg/l      | >= 1000  | 14 d | Oncorhynchus mykiss                                       | ECHA Dossier                            | The aquatic<br>toxicity was<br>estimated by a |
| 64742-56-9       | Distillates (petroleum), solvent-dewaxed light paraffinic; Baseoil - unspecified  |                   |          |      |   |   |   |
|                  | Acute fish toxicity   | LC50<br>mg/l      | >100     | 96 h | Pimephales<br>promelas                                    | ECHA Dossier                            |   |
|                  | Acute algae toxicity  | ErC50<br>mg/l     | >100     | 72 h | Pseudokirchnerella<br>subcapitata                         | ECHA Dossier                            |   |
|                  | Acute crustacea toxicity  | EC50<br>mg/l      | >10000   | 48 h | Daphnia magna   | ECHA Dossier                            |   |
|                  | Crustacea toxicity  | NOEC              | 10 mg/l  | 21 d | Daphnia magna   | ECHA Dossier                            |   |
| 1190625-94<br>-5 | C14-16-18 Alkyl phenol  |                   |          |      |   |   |   |
|                  | Acute fish toxicity   | LC50<br>mg/l      | >100     | 96 h | Cyprinus carpio   |   |   |
|                  | Acute crustacea toxicity  | EC50<br>mg/l      | >100     | 48 h | Daphnia magna   |   |   |
| 28629-66-5       | zinc bis(O,O-diisooctyl) bis(dithiophosphate)   |                   |          |      |   |   |   |
|                  | Acute fish toxicity   | LC50<br>mg/l      | LL5= 3,5 | 96 h | Oncorhynchus mykiss                                       | ECHA Dossier                            | OECD Guideline<br>203                         |
|                  | Acute algae toxicity  | ErC50<br>410 mg/l | EL50 =   | 72 h | Desmodesmus<br>subspicatus                                | ECHA Dossier                            | OECD Guideline<br>201                         |
|                  | Acute crustacea toxicity  | EC50<br>320 mg/l  | EL50 =   | 48 h | Daphnia magna   | ECHA Dossier                            | OECD Guideline<br>202                         |
|                  | $\mu$ 3-thio-1,2:1,3:2,3-tris( $\mu$ -disulfido-k2S)-1,2,3-tris(dialkyldithiocarbamate)<br>-triangulo-trimolybdenum(IV)dialkyldithiocarbamate |                   |          |      |   |   |   |
|                  | Acute fish toxicity   | LL50<br>mg/l      | > 94,8   | 96 h | Oncorhynchus mykiss                                       | REACH<br>Registration<br>Dossier        | OECD Guideline<br>203                         |
|                  | Acute algae toxicity  | ErC50<br>mg/l     | 9,62     | 72 h | Raphidocelis<br>subcapitata                               | ECHA Dossier                            | OECD Guideline<br>201                         |
|                  | Acute crustacea toxicity  | EL50              | 50 mg/l  | 48 h | Daphnia magna   | ECHA Dossier                            | OECD Guideline<br>202                         |
|                  | Crustacea toxicity  | NOEC              | 100 mg/l | 21 d | Daphnia magna   | ECHA Dossier                            | OECD Guideline<br>211                         |
|                  | Acute bacteria toxicity   | EC50<br>mg/l ( )  | > 100    | 3 h  | activated sludge of a<br>predominantly<br>domestic sewage | ECHA Dossier                            | OECD Guideline<br>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 |

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|            | Evaluation   |       |    |              |
|------------|--|-------|----|--------------|
| 64742-54-7 | Distillates (petroleum), hydrotreated heavy paraffinic; Baseoil - unspecified  |       |    |              |
|            | OECD 301F / ISO 9408 / EEC 92/69 annex V, C.4-D  | 31%   | 28 | ECHA Dossier |
|            | Not easily bio-degradable (according to OECD-criteria).  |       |    |              |
|            | OECD 301B / ISO 9439 / EEC 92/69 annex V, C.4-C  | 2-4%  | 28 | ECHA Dossier |
|            | Not easily bio-degradable (according to OECD-criteria).  |       |    |              |
| 72623-86-0 | Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based; Baseoil - unspecified                                    |       |    |              |
|            | OECD 301B / ISO 9439 / EEC 92/69 annex V, C.4-C  | 2-4 % | 28 | ECHA Dossier |
|            | Not easily bio-degradable (according to OECD-criteria).  |       |    |              |
| 72623-87-1 | Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based; Baseoil - unspecified                                    |       |    |              |
|            | OECD 301B / ISO 9439 / EEC 92/69 annex V, C.4-C  | 2-4%  | 28 | ECHA Dossier |
|            | Not easily bio-degradable (according to OECD-criteria).  |       |    |              |
| 64742-56-9 | Distillates (petroleum), solvent-dewaxed light paraffinic; Baseoil - unspecified   |       |    |              |
|            | OECD 301B / ISO 9439 / EEC 92/69 annex V, C.4-C  | 2-4%  | 28 | ECHA Dossier |
|            | Not easily bio-degradable (according to OECD-criteria).  |       |    |              |
| 28629-66-5 | zinc bis(O,O-diisooctyl) bis(dithiophosphate)  |       |    |              |
|            | OECD 301D / EEC 92/69 annex V, C.4-E   | <5%   | 27 | ECHA Dossier |
|            | Not readily biodegradable (according to OECD criteria)   |       |    |              |
|            | μ3-thio-1,2:1,3:2,3-tris(μ-disulfido-k2S)-1,2,3-tris(dialkyldithiocarbamate)-triangulo-trimolybdenum(IV)dialkyldithiocarbamate |       |    |              |
|            | OECD Guideline 301 B   | 22,75 | 29 | ECHA Dossier |
|            | Not easily bio-degradable (according to OECD-criteria).  |       |    |              |

### 12.3. Bioaccumulative potential

No indication of bioaccumulation potential.

### Partition coefficient n-octanol/water

| CAS No     | Chemical name  | Log Pow |
|------------|--|---------|
| 28629-66-5 | zinc bis(O,O-diisooctyl) bis(dithiophosphate)  | 3,59    |
|            | μ3-thio-1,2:1,3:2,3-tris(μ-disulfido-k2S)-1,2,3-tris(dialkyldithiocarbamate)-triangulo-trimolybdenum(IV)dialkyldithiocarbamate | > 5,1   |

### BCF

| CAS No | Chemical name  | BCF | Species         | Source       |
|--------|--|-----|-----------------|--------------|
|        | μ3-thio-1,2:1,3:2,3-tris(μ-disulfido-k2S)-1,2,3-tris(dialkyldithiocarbamate)-triangulo-trimolybdenum(IV)dialkyldithiocarbamate | 0   | Cyprinus carpio | 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

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.

### Further information

Ozone depletion potential (ODP): No information available.





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## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

#### Disposal recommendations

Dispose of waste according to applicable legislation. Consult the appropriate 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)

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

### Inland waterways transport (ADN)

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

### Marine transport (IMDG)

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

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

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

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Restrictions on use (REACH, annex XVII):

Entry 28, Entry 75

Directive 2010/75/EU on industrial emissions: No information available.

Directive 2004/42/EC on VOC in paints and varnishes: No information available.

Information according to Directive 2012/18/EU (SEVESO III): Not subject to 2012/18/EU (SEVESO III)

**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 (EU) 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.**SECTION 16: Other information****Changes**

Rev.: 1,0 - 15.04.2015

Rev.: 1,01 - 28.04.2015

Rev.: 1,1 - 09.05.2016

Rev.: 2,0 - 02.06.2017

Rev.: 3,0 - 27.06.2018

Rev.: 4,0 - 25.06.2019

Rev.: 5,0 - 08.02.2021, Changes in chapter: 3.2, 16

Rev.: 6,0 - 04.02.2022, Changes in chapter: 2.3, 3.2, 6.1, 6.3, 8.2, 11.2, 12.5, 12.6, 12.7, 15.1, 16

Rev.: 7,0 - 27.01.2023, Changes in chapter: 9.1, 16

Rev.: 7,1 - 12.10.2023, Changes in chapter: 2.2, 3.2, 8.1, 9.1, 11.1, 12.1, 12.2, 12.3, 12.7, 15.16

Rev.: 7,2 - 20.03.2024, Changes in chapter: 11.1, 12.1, 16

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**Abbreviations and acronyms**

Asp. Tox: Aspiration hazard  
Skin Irrit: Skin irritation  
Eye Dam: Eye damage  
Skin Sens: Skin sensitisation  
STOT RE: Specific target organ toxicity - repeated exposure  
Aquatic Chronic: Chronic aquatic hazard  
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  
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  
WGK: Water Hazard Class (Germany)

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

|        |   |
|--------|---|
| H304   | May be fatal if swallowed and enters airways.   |
| H315   | Causes skin irritation.   |
| H317   | May cause an allergic skin reaction.  |
| H318   | Causes serious eye damage.  |
| H373   | May cause damage to organs through prolonged or repeated exposure.  |
| H411   | Toxic to aquatic life with long lasting effects.  |
| H412   | Harmful to aquatic life with long lasting effects.  |
| EUH208 | Contains C14-16-18 Alkyl phenol, $\mu$ 3-thio-1,2:1,3:2,3-tris( $\mu$ -disulfido-k2S)-1,2,3-tris(dialkyldithiocarbamate)-triangulo-trimolybdenum(IV)dialkyldithiocarbamate. May produce an allergic reaction. |
| 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: Calculation method.

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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.

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