### Conforms to Regulation (EC) No. 1907/2006 (REACH), Annex II, as amended by Commission Regulation (EU) 2020/878 - Switzerland

# **SAFETY DATA SHEET**



Blasolube 544

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

### **1.1 Product identifier**

**Product name** Article No.

: Blasolube 544

: 00544-01

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

|  | Identified uses      |
|--|----------------------|
| Hydraulic systems. Industrial use only.<br>Lubricants, greases, release products |                      |
|  | Uses advised against |
| Canaumaruaa  |                      |

Consumer use.

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

| Manufacturer                                      | Winterseis<br>CH-3415 I<br>Switzerlan<br>Tel:+41 (0 | Hasle-Rüegsau |
|---|---|---------------|
| e-mail address of person responsible for this SDS | reach@bla   | aser.com      |
| 1.4 Emergency telephone nui                       | ber   |               |

### National advisory body/Poison Centre

| National advisory body/ |  |
|-------------------------|--|
| Telephone number        | : 145 (from abroad: +41 44 251 51 51)<br>Information: +41 44 251 66 66 |

### **SECTION 2: Hazards identification**

| 2.1 Classification of the su   | bstance or mixture |  |
|--|--------------------|--|
| Product definition   | : Mixture          |  |
| Classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]<br>Not classified. |                    |  |

The product is not classified as hazardous according to Regulation (EC) 1272/2008 as amended. See Section 11 for more detailed information on health effects and symptoms.

| 2.2 Label elements          |   |
|-----------------------------|---|
| Signal word                 | : No signal word.                                   |
| Hazard statements           | : No known significant effects or critical hazards. |
| Precautionary statements    |   |
| Supplemental label elements | : EUH210 - Safety data sheet available on request.  |



# **SECTION 2: Hazards identification**

Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles

### 2.3 Other hazards

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Product meets the criteria<br/>for PBT or vPvB according<br/>to Regulation (EC) No.<br/>1907/2006, Annex XIII: This mixture does not contain any substances that are assessed to be a PBT or a<br/>vPvB.Other hazards which do: None known.

not result in classification

### **SECTION 3: Composition/information on ingredients**

: Not applicable.

| 3.2 Mixtures   | : Mixture  |      |   |   |      |
|--|--|------|---|---|------|
| Product/ingredient name  | Identifiers  | %    | Classification  | Specific Conc.<br>Limits, M-factors<br>and ATEs   | Туре |
| zinc O,O,O',O'-tetrakis<br>(1,3-dimethylbutyl) bis<br>(phosphorodithioate) | REACH #:<br>01-2119953275-34<br>EC: 218-679-9<br>CAS: 84605-29-8 | <2.5 | Skin Irrit. 2, H315<br>Eye Dam. 1, H318<br>Aquatic Chronic 2,<br>H411         | Skin Irrit. 2, H315:<br>C ≥ 6.25%<br>Eye Dam. 1, H318:<br>C ≥ 12.5%<br>Eye Irrit. 2, H319:<br>10% ≤ C < 12.5% | [1]  |
|  |  |      | See Section 16 for<br>the full text of the H<br>statements declared<br>above. |   |      |

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment, are PBTs, vPvBs or Substances of equivalent concern, or have been assigned a workplace exposure limit and hence require reporting in this section.

Туре

[1] Substance classified with a health or environmental hazard

Occupational exposure limits, if available, are listed in Section 8.

### **SECTION 4: First aid measures**

### 4.1 Description of first aid measures

| Eye contact                | <ul> <li>Immediately flush eyes with plenty of water, occasionally lifting the upper and lower<br/>eyelids. Check for and remove any contact lenses. Get medical attention if irritation<br/>occurs.</li> </ul>  |
|----------------------------|--|
| Inhalation                 | : Avoid breathing vapour or mist. Get medical attention if symptoms occur.   |
| Skin contact               | <ul> <li>Flush contaminated skin with plenty of water. Remove contaminated clothing and<br/>shoes. Get medical attention if symptoms occur.</li> </ul>   |
| Ingestion                  | : Wash out mouth with water. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur. |
| Protection of first-aiders | : No action shall be taken involving any personal risk or without suitable training.   |

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

| Over-exposure signs/sym        | <u>ptoms</u>            |                                  |                |      |
|--------------------------------|-------------------------|----------------------------------|----------------|------|
| Eye contact                    | : No specific data.     |                                  |                |      |
| Inhalation                     | : No specific data.     |                                  |                |      |
| Date of issue/Date of revision | : 20. Dec. 2023 Date of | f previous issue : 20. Dec. 2022 | Version : 1.02 | 2/11 |



| SECTION 4: First aid measures                     |   |  |
|---|---|--|
| Skin contact                                      | : No specific data.   |  |
| Ingestion   | : No specific data.   |  |
| 4.3 Indication of any immed                       | ate medical attention and special treatment needed  |  |
| Notes to physician                                | <ul> <li>Treat symptomatically. Contact poison treatment specialist immediately if large<br/>quantities have been ingested or inhaled.</li> </ul>   |  |
| Specific treatments                               | : No specific treatment.  |  |
| SECTION 5: Firefigh                               | ting measures   |  |
| 5.1 Extinguishing media                           |   |  |
| Suitable extinguishing media                      | : Use an extinguishing agent suitable for the surrounding fire.   |  |
| Unsuitable extinguishing media                    | : None known.   |  |
| 5.2 Special hazards arising                       | rom the substance or mixture  |  |
| Hazards from the substance or mixture             | : In a fire or if heated, a pressure increase will occur and the container may burst.   |  |
| Hazardous combustion<br>products                  | : Decomposition products may include the following materials:<br>carbon dioxide<br>carbon monoxide<br>sulfur oxides<br>phosphorus oxides<br>metal oxide/oxides  |  |
| 5.3 Advice for firefighters                       |   |  |
| Special protective actions for fire-fighters      | : Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.   |  |
| Special protective<br>equipment for fire-fighters | : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents. |  |

# **SECTION 6: Accidental release measures**

| 6.1 Personal precautions, pro  | ote | ctive equipment and emergency procedures   |
|--------------------------------|-----|--|
| For non-emergency<br>personnel | :   | No action shall be taken involving any personal risk or without suitable training.<br>Evacuate surrounding areas. Keep unnecessary and unprotected personnel from<br>entering. Do not touch or walk through spilt material. Put on appropriate personal<br>protective equipment. |
| For emergency responders       | :   | If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".  |
| 6.2 Environmental precautions  | :   | Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains<br>and sewers. Inform the relevant authorities if the product has caused environmental<br>pollution (sewers, waterways, soil or air).  |
| 6.3 Methods and material for   | СС  | ontainment and cleaning up   |
| Small spill                    |     | Stop leak if without risk. Move containers from spill area. Dilute with water and mop  |

mop nali spii Move containers from up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

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# SECTION 6: Accidental release measures

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| Large spill                     | : Stop leak if without risk. Move containers from spill area. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations. Dispose of via a licensed waste disposal contractor. |
|---------------------------------|--|
| 6.4 Reference to other sections | : See Section 1 for emergency contact information.<br>See Section 8 for information on appropriate personal protective equipment.<br>See Section 13 for additional waste treatment information.  |

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

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

#### 7.1 Precautions for safe handling

| Protective measures                    | : Put on appropriate personal protective equipment (see Section 8).   |
|--|---|
| Advice on general occupational hygiene | : Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures. |

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

Store between the following temperatures: 0 to 40°C (32 to 104°F). Shelf life: 36 months. Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

### 7.3 Specific end use(s)

Recommendations

: Not available.

Industrial sector specific solutions

: Not available.

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

The information in this section contains generic advice and guidance. Information is provided based on typical anticipated uses of the product. Additional measures might be required for bulk handling or other uses that could significantly increase worker exposure or environmental releases.

#### 8.1 Control parameters

#### **Occupational exposure limits**

No exposure limit value known.

#### **Biological exposure indices**

No exposure indices known.

Recommended monitoring procedures : Reference should be made to monitoring standards, such as the following: European Standard EN 689 (Workplace atmospheres - Guidance for the assessment of exposure by inhalation to chemical agents for comparison with limit values and measurement strategy) European Standard EN 14042 (Workplace atmospheres - Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents) European Standard EN 482 (Workplace atmospheres - General requirements for the performance of procedures for the measurement of chemical agents) Reference to national guidance documents for methods for the determination of hazardous substances will also be required.

### **DNELs/DMELs**

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

No DNELs/DMELs available.

### **PNECs**

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No PNECs available

| 8.2 Exposure controls               |      |   |
|-------------------------------------|------|---|
| Appropriate engineering<br>controls | :    | Good general ventilation should be sufficient to control worker exposure to airborne contaminants.  |
| Individual protection meas          | ures |   |
| Hygiene measures                    | :    | Wash hands, forearms and face thoroughly after handling chemical products,<br>before eating, smoking and using the lavatory and at the end of the working period.<br>Appropriate techniques should be used to remove potentially contaminated clothing.<br>Wash contaminated clothing before reusing. Ensure that eyewash stations and<br>safety showers are close to the workstation location. |
| Eye/face protection                 | :    | Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: safety glasses with side-shields.   |
| Skin protection                     |      |   |
| Hand protection                     | :    | Chemical-resistant, impervious gloves complying with an approved standard should<br>be worn at all times when handling chemical products if a risk assessment indicates<br>this is necessary.   |
| Body protection                     | :    | Personal protective equipment for the body should be selected based on the task being performed and the risks involved before handling this product.  |
| Other skin protection               | :    | Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved before handling this product.  |
| Respiratory protection              | :    | A respirator is not needed under normal and intended conditions of product use. If<br>workers are exposed to concentrations above the exposure limit, they must use<br>appropriate, certified respirators.  |
| Environmental exposure controls     | :    | Emissions from ventilation or work process equipment should be checked to<br>ensure they comply with the requirements of environmental protection legislation.<br>In some cases, fume scrubbers, filters or engineering modifications to the process<br>equipment will be necessary to reduce emissions to acceptable levels.   |

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

The conditions of measurement of all properties are at standard temperature and pressure unless otherwise indicated.

### 9.1 Information on basic physical and chemical properties

| Appearance  |               |
|---|---------------|
|   |               |
| Physical state : Lic                              | quid.         |
| Colour : Re                                       | ed.           |
| Odour : Ch  | aracteristic. |
| Odour threshold : No                              | ot available. |
| Melting point/freezing point : No                 | ot available. |
| Initial boiling point and : No<br>boiling range   | ot available. |
| Flammability (solid, gas) : No                    | ot available. |
| Upper/lower flammability or : No explosive limits | ot available. |
| Flash point : No                                  | ot available. |
| Auto-ignition temperature : No                    | ot available. |
| Decomposition temperature : No                    | ot available. |

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

| -  |    |  |
|--|----|--|
| рН   | 1  | Not applicable.                                    |
| Viscosity                                  | 1  | Not available.                                     |
| Penetration                                | :  | 445-475 mm/10 @ 25°C (77°F) (ISO 2137 / ASTM D217) |
|  |    | NLGI Class : 000                                   |
| Solubility in water                        | :  | No.  |
| Partition coefficient: n-octanol/<br>water | :  | Not applicable.                                    |
| Vapour pressure                            | :  | Not available.                                     |
| Relative density                           | 1  | Not available.                                     |
| Density                                    | 1  | 0.91 g/cm³ [20°C]                                  |
| Vapour density                             | 1  | Not available.                                     |
| Particle characteristics                   |    |  |
| Median particle size                       | 1  | Not applicable.                                    |
|  |    |  |
| 9.2.1 Information with regard to           | pl | hysical hazard classes                             |

| 5.2.1 mormation with rega    | ru to physical hazaru cia |
|------------------------------|---------------------------|
| Explosive properties         | : Not available.          |
| <b>Oxidising properties</b>  | : Not available.          |
| 9.2.2 Other safety character | ristics                   |
| Miscible with water          | : No.                     |

# **SECTION 10: Stability and reactivity**

| 10.1 Reactivity                            | : | No specific test data related to reactivity available for this product or its ingredients.           |
|--|---|--|
| 10.2 Chemical stability                    | : | Shelf life: 36 months.   |
| 10.3 Possibility of<br>hazardous reactions | : | Under normal conditions of storage and use, hazardous reactions will not occur.                      |
| 10.4 Conditions to avoid                   | : | No specific data.  |
| 10.5 Incompatible materials                | : | No specific data.  |
| 10.6 Hazardous<br>decomposition products   | : | Under normal conditions of storage and use, hazardous decomposition products should not be produced. |

# **SECTION 11: Toxicological information**

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

Acute toxicity

| Product/ingredient name  | Result           | Species | Dose       | Exposure |
|--|------------------|---------|------------|----------|
| zinc O,O,O',O'-tetrakis<br>(1,3-dimethylbutyl) bis<br>(phosphorodithioate) | LD50 Dermal      | Rat     | 3160 mg/kg | -        |
|  | LD50 Oral        | Rat     | 2230 mg/kg | -        |
| Conclusion/Summary   | : Not available. |         |            |          |

Acute toxicity estimates

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# **SECTION 11: Toxicological information**

| Product/ingredient name         zinc 0,0,0',0'-tetrakis(1,3-dimethylbutyl) bis         (phosphorodithioate)   |  |  | Oral (mg/<br>kg)  | Dermal<br>(mg/kg)   | Inhalation<br>(gases)<br>(ppm) | Inhalation<br>(vapours)<br>(mg/l) | Inhalation<br>(dusts<br>and mists)<br>(mg/l) |
|---|--|--|---|---|--------------------------------|-----------------------------------|--|
|   |  |  | 2230  | 3160  | N/A                            | N/A                               | N/A  |
| Irritation/Corrosion  |  |  |   |   |                                |                                   |  |
| Conclusion/Summary  | : No   | ot available.  |   |   |                                |                                   |  |
| <u>Sensitisation</u>  |  |  |   |   |                                |                                   |  |
| Conclusion/Summary  | : No   | ot available.  |   |   |                                |                                   |  |
| Mutagenicity  |  |  |   |   |                                |                                   |  |
| Conclusion/Summary  | : No   | ot available.  |   |   |                                |                                   |  |
| <u>Carcinogenicity</u>  |  |  |   |   |                                |                                   |  |
| Conclusion/Summary  | : No   | ot available.  |   |   |                                |                                   |  |
| Reproductive toxicity   |  |  |   |   |                                |                                   |  |
| Conclusion/Summary  | : No   | ot available.  |   |   |                                |                                   |  |
| Teratogenicity  |  | -  |   |   |                                |                                   |  |
| Conclusion/Summary  | : No   | ot available.  |   |   |                                |                                   |  |
| Specific target organ toxic   |  |  |   |   |                                |                                   |  |
| Not available.  |  |  |   |   |                                |                                   |  |
| Specific target organ toxic<br>Not available.<br>Aspiration hazard<br>Not available.  |  |  |   |   |                                |                                   |  |
|   |  |  |   |   |                                |                                   |  |
| Information on likely routes of exposure  | : No   | ot available.  |   |   |                                |                                   |  |
|   |  | ot available.  |   |   |                                |                                   |  |
| of exposure   | <mark>s</mark><br>: No   | o known significan   |   |   |                                |                                   |  |
| of exposure<br><u>Potential acute health effect</u><br>Eye contact<br>Inhalation  | <mark>s</mark><br>: No<br>: No   | o known significan<br>o known significan   | t effects or cr   | itical hazard   | S.                             |                                   |  |
| of exposure<br><u>Potential acute health effect</u><br>Eye contact<br>Inhalation<br>Skin contact  | <mark>s</mark><br>: No<br>: No<br>: No   | o known significan<br>o known significan<br>o known significan   | t effects or cr<br>t effects or cr  | itical hazard<br>itical hazard  | s.<br>s.                       |                                   |  |
| of exposure<br><u>Potential acute health effect</u><br>Eye contact<br>Inhalation  | <u>s</u><br>: No<br>: No<br>: No   | o known significan<br>o known significan   | t effects or cr<br>t effects or cr  | itical hazard<br>itical hazard  | s.<br>s.                       |                                   |  |
| of exposure<br><u>Potential acute health effect</u><br>Eye contact<br>Inhalation<br>Skin contact<br>Ingestion   | <mark>s</mark><br>: No<br>: No<br>: No<br>: No   | o known significan<br>o known significan<br>o known significan<br>o known significan   | t effects or cr<br>t effects or cr<br>t effects or cr                         | itical hazard<br>itical hazard<br>itical hazard                                 | s.<br>s.<br>s.                 |                                   |  |
| of exposure<br><u>Potential acute health effect</u><br>Eye contact<br>Inhalation<br>Skin contact<br>Ingestion<br><u>Symptoms related to the phy</u>   | <u>s</u><br>: No<br>: No<br>: No<br>: No<br>ysical,  | o known significan<br>o known significan<br>o known significan<br>o known significan<br><mark>chemical and to</mark>   | t effects or cr<br>t effects or cr<br>t effects or cr                         | itical hazard<br>itical hazard<br>itical hazard                                 | s.<br>s.<br>s.                 |                                   |  |
| of exposure<br><u>Potential acute health effect</u><br>Eye contact<br>Inhalation<br>Skin contact<br>Ingestion<br><u>Symptoms related to the phy</u><br>Eye contact  | <u>s</u><br>: No<br>: No<br>: No<br>: No<br><u>ysical,</u><br>: No                         | o known significan<br>o known significan<br>o known significan<br>o known significan<br><u>chemical and to</u><br>o specific data.   | t effects or cr<br>t effects or cr<br>t effects or cr                         | itical hazard<br>itical hazard<br>itical hazard                                 | s.<br>s.<br>s.                 |                                   |  |
| of exposure<br><u>Potential acute health effect</u><br>Eye contact<br>Inhalation<br>Skin contact<br>Ingestion<br><u>Symptoms related to the phy</u><br>Eye contact<br>Inhalation  | <u>s</u><br>: No<br>: No<br>: No<br>: No<br><u>ysical,</u><br>: No<br>: No                 | o known significan<br>o known significan<br>o known significan<br>o known significan<br><del>chemical and to</del><br>o specific data.   | t effects or cr<br>t effects or cr<br>t effects or cr                         | itical hazard<br>itical hazard<br>itical hazard                                 | s.<br>s.<br>s.                 |                                   |  |
| of exposure<br><u>Potential acute health effect</u><br>Eye contact<br>Inhalation<br>Skin contact<br>Ingestion<br><u>Symptoms related to the phy</u><br>Eye contact  | <u>s</u><br>: No<br>: No<br>: No<br>: No<br><u>ysical.</u><br>: No<br>: No                 | o known significan<br>o known significan<br>o known significan<br>o known significan<br><u>chemical and to</u><br>o specific data.   | t effects or cr<br>t effects or cr<br>t effects or cr                         | itical hazard<br>itical hazard<br>itical hazard                                 | s.<br>s.<br>s.                 |                                   |  |
| of exposure<br><u>Potential acute health effect</u><br>Eye contact<br>Inhalation<br>Skin contact<br>Ingestion<br><u>Symptoms related to the phy</u><br>Eye contact<br>Inhalation<br>Skin contact  | <u>s</u><br>: Na<br>: Na<br>: Na<br>: Na<br><u>ysical,</u><br>: Na<br>: Na<br>: Na<br>: Na | o known significan<br>o known significan<br>o known significan<br>o known significan<br>o known significan<br>chemical and to<br>o specific data.<br>o specific data.<br>o specific data.                                | t effects or cr<br>t effects or cr<br>t effects or cr<br><u>xicological c</u> | itical hazard:<br>itical hazard:<br>itical hazard:<br><mark>haracteristi</mark> | s.<br>s.<br><u>cs</u>          | osure                             |  |
| of exposure<br><u>Potential acute health effect</u><br>Eye contact<br>Inhalation<br>Skin contact<br>Ingestion<br><u>Symptoms related to the phy</u><br>Eye contact<br>Inhalation<br>Skin contact<br>Ingestion<br><u>Delayed and immediate effect</u>  | <u>s</u><br>: No<br>: No<br>: No<br>: No<br>: No<br>: No<br>: No<br>: No                   | o known significan<br>o known significan<br>o known significan<br>o known significan<br>o known significan<br>chemical and to<br>o specific data.<br>o specific data.<br>o specific data.                                | t effects or cr<br>t effects or cr<br>t effects or cr<br><u>xicological c</u> | itical hazard:<br>itical hazard:<br>itical hazard:<br><mark>haracteristi</mark> | s.<br>s.<br><u>cs</u>          | <u>osure</u>                      |  |
| of exposure<br><u>Potential acute health effect</u><br>Eye contact<br>Inhalation<br>Skin contact<br>Ingestion<br><u>Symptoms related to the phy</u><br>Eye contact<br>Inhalation<br>Skin contact<br>Ingestion<br><u>Delayed and immediate effect</u><br><u>Short term exposure</u><br>Potential immediate             | <u>s</u><br>: No<br>: No<br>: No<br>: No<br>: No<br>: No<br>: No<br>: No                   | o known significan<br>o known significan<br>o known significan<br>o known significan<br>o known significan<br>chemical and to<br>o specific data.<br>o specific data.<br>o specific data.<br>o specific data.            | t effects or cr<br>t effects or cr<br>t effects or cr<br><u>xicological c</u> | itical hazard:<br>itical hazard:<br>itical hazard:<br><mark>haracteristi</mark> | s.<br>s.<br>c <u>s</u>         | osure                             |  |
| of exposure<br>Potential acute health effect<br>Eye contact<br>Inhalation<br>Skin contact<br>Ingestion<br>Symptoms related to the phy<br>Eye contact<br>Inhalation<br>Skin contact<br>Ingestion<br>Delayed and immediate effect<br>Short term exposure<br>Potential immediate<br>effects                              | <u>s</u><br>: No<br>: No<br>: No<br>: No<br>: No<br>: No<br>: No<br>: No                   | o known significan<br>o known significan<br>o known significan<br>o known significan<br>o known significan<br><del>chemical and to</del><br>o specific data.<br>o specific data.<br>o specific data.<br>o specific data. | t effects or cr<br>t effects or cr<br>t effects or cr<br><u>xicological c</u> | itical hazard:<br>itical hazard:<br>itical hazard:<br><mark>haracteristi</mark> | s.<br>s.<br>c <u>s</u>         | osure                             |  |
| of exposure<br>Potential acute health effect<br>Eye contact<br>Inhalation<br>Skin contact<br>Ingestion<br>Symptoms related to the phy<br>Eye contact<br>Inhalation<br>Skin contact<br>Ingestion<br>Delayed and immediate effect<br>Short term exposure<br>Potential immediate<br>effects<br>Potential delayed effects | <u>s</u><br>: No<br>: No<br>: No<br>: No<br>: No<br>: No<br>: No<br>: No                   | o known significan<br>o known significan<br>o known significan<br>o known significan<br>o known significan<br><del>chemical and to</del><br>o specific data.<br>o specific data.<br>o specific data.<br>o specific data. | t effects or cr<br>t effects or cr<br>t effects or cr<br><u>xicological c</u> | itical hazard:<br>itical hazard:<br>itical hazard:<br><mark>haracteristi</mark> | s.<br>s.<br>c <u>s</u>         | osure                             |  |

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

### Potential chronic health effects

| Conclusion/Summary    | : Not available.                                    |
|-----------------------|---|
| General               | : No known significant effects or critical hazards. |
| Carcinogenicity       | : No known significant effects or critical hazards. |
| Mutagenicity          | : No known significant effects or critical hazards. |
| Reproductive toxicity | : No known significant effects or critical hazards. |

### 11.2 Information on other hazards

**11.2.1 Endocrine disrupting properties** 

Not available.

11.2.2 Other information

Not available.

# **SECTION 12: Ecological information**

#### 12.1 Toxicity

| Product/ingredient name  | Result           | Species | Exposure |
|--|------------------|---------|----------|
| zinc O,O,O',O'-tetrakis<br>(1,3-dimethylbutyl) bis<br>(phosphorodithioate) | NOEC 1.8 mg/l    | Daphnia | 4 days   |
| Conclusion/Summary   | : Not available. |         |          |

**Conclusion/Summary** 

### 12.2 Persistence and degradability

**Conclusion/Summary** : Not available.

### **12.3 Bioaccumulative potential**

Not available.

| 12.4 Mobility in soil                     |                  |
|---|------------------|
| Soil/water partition<br>coefficient (Koc) | : Not available. |
| Mobility                                  | : Not available. |

### 12.5 Results of PBT and vPvB assessment

This mixture does not contain any substances that are assessed to be a PBT or a vPvB.

### 12.6 Endocrine disrupting properties

Not available.

### 12.7 Other adverse effects

No known significant effects or critical hazards.

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## SECTION 13: Disposal considerations

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

### **13.1 Waste treatment methods**

| Product             |   |
|---------------------|---|
| Methods of disposal | : The generation of waste should be avoided or minimised wherever possible.<br>Disposal of this product, solutions and any by-products should at all times comply<br>with the requirements of environmental protection and waste disposal legislation and<br>any regional local authority requirements. Dispose of surplus and non-recyclable<br>products via a licensed waste disposal contractor. Waste should not be disposed of<br>untreated to the sewer unless fully compliant with the requirements of all authorities<br>with jurisdiction. |
| Hazardous waste     | : Yes.  |

#### European waste catalogue (EWC)

| Waste code          | Waste designation   |  |
|---------------------|---|--|
| 12 01 12*           | spent waxes and fats  |  |
| Packaging           |   |  |
| Methods of disposal | : The generation of waste should be avoided or minimised wherever possible. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible.                                  |  |
| Special precautions | : This material and its container must be disposed of in a safe way. Empty containers or liners may retain some product residues. Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. |  |

### **SECTION 14: Transport information**

|                                    | ADR/RID        | ADN            | IMDG           | IATA           |
|------------------------------------|----------------|----------------|----------------|----------------|
| 14.1 UN number<br>or ID number     | Not regulated. | Not regulated. | Not regulated. | Not regulated. |
| 14.2 UN proper shipping name       | -              | -              | -              | -              |
| 14.3 Transport<br>hazard class(es) | -              | -              | -              | -              |
| 14.4 Packing<br>group              | -              | -              | -              | -              |
| 14.5<br>Environmental<br>hazards   | No.            | No.            | No.            | No.            |

user

14.6 Special precautions for : Transport within user's premises: always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

14.7 Maritime transport in : Not available. bulk according to IMO instruments



### Regulation (EU) 2020/878 - Switzerland Blasolube 544 SECTION 15: Regulatory information 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture EU Regulation (EC) No. 1907/2006 (REACH) Annex XIV - List of substances subject to authorisation **Annex XIV** None of the components are listed. Substances of very high concern None of the components are listed. Annex XVII - Restrictions : Not applicable. on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles Other EU regulations **Industrial emissions** : Not listed (integrated pollution prevention and control) -Air **Industrial emissions** : Not listed (integrated pollution prevention and control) -Water Ozone depleting substances (1005/2009/EU) Not listed. Prior Informed Consent (PIC) (649/2012/EU) Not listed. **Persistent Organic Pollutants** Not listed. **Seveso Directive** This product is not controlled under the Seveso Directive. **National regulations VOC content** : Exempt. **SZID** : 166614-00 Hazardous liquids for : Class B water References t International regulations

**Chemical Weapon Convention List Schedules I, II & III Chemicals** Not listed.

### **Montreal Protocol**

Not listed.

Stockholm Convention on Persistent Organic Pollutants Not listed.

**Rotterdam Convention on Prior Informed Consent (PIC)** Not listed.

### **UNECE Aarhus Protocol on POPs and Heavy Metals** Not listed.



# **SECTION 15: Regulatory information**

15.2 Chemical safety assessment

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: No Chemical Safety Assessment has been carried out.

# **SECTION 16: Other information**

| Indicates information         | n that has changed from previously issued version.   |
|-------------------------------|--|
| Abbreviations and<br>acronyms | <ul> <li>ATE = Acute Toxicity Estimate<br/>CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No.<br/>1272/2008]<br/>DMEL = Derived Minimal Effect Level<br/>DNEL = Derived No Effect Level<br/>EUH statement = CLP-specific Hazard statement<br/>N/A = Not available<br/>PBT = Persistent, Bioaccumulative and Toxic<br/>PNEC = Predicted No Effect Concentration<br/>RRN = REACH Registration Number<br/>SGG = Segregation Group</li> </ul> |
|                               | CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No.<br>1272/2008]<br>DMEL = Derived Minimal Effect Level<br>DNEL = Derived No Effect Level<br>EUH statement = CLP-specific Hazard statement<br>N/A = Not available<br>PBT = Persistent, Bioaccumulative and Toxic<br>PNEC = Predicted No Effect Concentration<br>RRN = REACH Registration Number   |

Procedure used to derive the classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]

Not classified.

### Full text of abbreviated H statements

| H315<br>H318                            | Causes skin irritation.<br>Causes serious eye damage. |
|---|---|
| H411                                    | Toxic to aquatic life with long lasting effects.      |
| Full text of classifications ICL P/CHS1 |   |

#### Full text of classifications [CLP/GHS]

| Aquatic Chronic 2 | LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 2 |
|-------------------|---|
| Eye Dam. 1        | SERIOUS EYE DAMAGE/EYE IRRITATION - Category 1  |
| Skin Irrit. 2     | SKIN CORROSION/IRRITATION - Category 2          |

#### IP346:

The contained refined mineral oils are exempt of labelling. The content of polycyclic aromatic hydrocarbons (PCA) according to IP346 is < 3% (DMSO-extract).

| Date of printing                | : 20. Dec 2023                            |
|---------------------------------|---|
| Date of issue/ Date of revision | : 20. Dec. 2023                           |
| Date of previous issue          | : 20. Dec. 2022                           |
| Version                         | : 1.02                                    |
| Responsible name                | : Product Stewardship Blaser Swisslube AG |

#### Notice to reader

To the best of our knowledge, the information contained herein is accurate. However, neither the abovenamed supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein.

Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.