### Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EC) No. 453/2010 Date of issue:24/01/2013 Revision date:23/01/2017 Supersedes:21/01/2016

SECTION 1: Identification of the substance/mixture and of the company/undertaking **Product identifier** 1.1. Product form : Mixture : WOLF ECOTECH 0W30 C3 FE Product name Product code : 16105 : Blend Product group Relevant identified uses of the substance or mixture and uses advised against 1.2. 1.2.1. **Relevant identified uses** : Industrial use.Professional use.Consumer use Main use category Industrial/Professional use spec : Non-dispersive use Used in closed systems : Lubricants and additives Function or use category Uses advised against 1.2.2. No additional information available 1.3. Details of the supplier of the safety data sheet WOLF OIL CORPORATION N.V. Georges Gilliotstraat, 52 2620 Hemiksem - België T 0032 (0)3 870 00 00 - F 0032 (0)3 870 00 99 info@wolfoil.com **Emergency telephone number** 1.4. Emergency number : +32 14 58 45 45 (NL/EN/FR/DE) **SECTION 2: Hazards identification Classification of the substance or mixture** 2.1 Classification according to Regulation (EC) No. 1272/2008 [CLP] Not classified Label elements 2.2. Labelling according to Regulation (EC) No. 1272/2008 [CLP] **EUH-statements** : EUH210 - Safety data sheet available on request EUH208 - Contains C14-16-18 Alkylphenol. May produce an allergic reaction Child-resistant fastening : No Tactile warning : No **Other hazards** 23 No additional information available

SECTION 3: Composition/information on ingredients
3.1. Substance
Not applicable

### 3.2. Mixture

| Name                  | Product identifier  | %        | Classification according to<br>Regulation (EC) No.<br>1272/2008 [CLP] |
|-----------------------|---|----------|---|
| Baseoil - unspecified | (CAS No) 64742-54-7<br>(EC no) 265-157-1<br>(REACH-no) 01-2119484627-25 | 78,9     | Asp. Tox. 1, H304   |
| Bis(nonylphenyl)amine | (CAS No) 36878-20-3<br>(EC no) 253-249-4<br>(REACH-no) 01-2119488911-28 | 1 - 2,49 | Aquatic Chronic 4, H413   |
| 22/04/0047            |   |          | 4/0   |

Version: 3.1

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EC) No. 453/2010

| C14-16-18 Alkylphenol  | (REACH-no) 01-2119498288-19                      | 1 - 2,49      | Skin Sens. 1, H317<br>STOT RE 2, H373  |  |
|--|--|---------------|--|--|
| Zinc bis[O-(-6-methylheptyl)] bis[O-(sec-<br>butyl)]bis(dithiophosphate) | (EC no) 298-577-9<br>(REACH-no) 01-2119543726-33 | 0,1 - 0,99    | Skin Irrit. 2, H315<br>Eye Dam. 1, H318<br>Aquatic Chronic 2, H411   |  |
| Specific concentration limits:   |  |               |  |  |
| Name   | Product identifier                               | Specific co   | ncentration limits   |  |
| Zinc bis[O-(-6-methylheptyl)] bis[O-(sec-<br>butyl)]bis(dithiophosphate) | (EC no) 298-577-9<br>(REACH-no) 01-2119543726-33 | (10 =< C < 12 | (6,25 =< C < 100) Skin Irrit. 2, H315<br>(10 =< C < 12,5) Eye Irrit. 2, H319<br>(12,5 =< C < 100) Eye Dam. 1, H318 |  |

Full text of H-statements: see section 16

| T un text of H-statements. See Section To      |  |  |  |
|--|--|--|--|
| SECTION 4: First aid measures                  |  |  |  |
| 4.1. Description of first aid measures         |  |  |  |
| First-aid measures after inhalation            | : Not expected to require first aid measures.  |  |  |
| First-aid measures after skin contact          | : Wash skin with mild soap and water.  |  |  |
| First-aid measures after eye contact           | : In case of eye contact, immediately rinse with clean water for 10-15 minutes.  |  |  |
| First-aid measures after ingestion             | : Do not induce vomiting. Rinse mouth. Get immediate medical advice/attention.   |  |  |
| 4.2. Most important symptoms and effe          | -  |  |  |
| Symptoms/injuries after inhalation             | : Not expected to present a significant inhalation hazard under anticipated conditions of normal use.                    |  |  |
| Symptoms/injuries after skin contact           | : Not expected to present a significant skin hazard under anticipated conditions of normal use.                          |  |  |
| Symptoms/injuries after eye contact            | <ul> <li>Not expected to present a significant eye contact hazard under anticipated conditions of normal use.</li> </ul> |  |  |
| Symptoms/injuries after ingestion              | : Not expected to present a significant ingestion hazard under anticipated conditions of normal use.                     |  |  |
| 4.3. Indication of any immediate medic         | al attention and special treatment needed  |  |  |
| No additional information available            |  |  |  |
| SECTION 5: Firefighting measures               |  |  |  |
| 5.1. Extinguishing media                       |  |  |  |
| Suitable extinguishing media                   | : Water fog. Foam. Powder. Dry chemical product.   |  |  |
| Unsuitable extinguishing media                 | : Do not use a heavy water stream.   |  |  |
|  |  |  |  |
| 5.2. Special hazards arising from the s        | ubstance or mixture  |  |  |
| No additional information available            |  |  |  |
| 5.3. Advice for firefighters                   |  |  |  |
| Precautionary measures fire                    | : Exercise caution when fighting any chemical fire.  |  |  |
| Firefighting instructions                      | : Use water spray or fog for cooling exposed containers.   |  |  |
| Protection during firefighting                 | : Do not enter fire area without proper protective equipment, including respiratory protection.                          |  |  |
| SECTION 6: Accidental release me               | asures   |  |  |
| 6.1. Personal precautions, protective e        | quipment and emergency procedures  |  |  |
| 6.1.1. For non-emergency personnel             |  |  |  |
| Protective equipment                           | : Wear suitable protective clothing and gloves.  |  |  |
|  |  |  |  |
| 6.1.2. For emergency responders                |  |  |  |
| Protective equipment                           | : Wear suitable protective clothing and gloves.  |  |  |
| 6.2. Environmental precautions                 |  |  |  |
| Prevent entry to sewers and public waters. Not | ify authorities if product enters sewers or public waters.   |  |  |
| 6.3. Methods and material for containing       | nent and cleaning up   |  |  |
| For containment                                | : Impound and recover large spill by mixing it with inert granular solids.   |  |  |
| Methods for cleaning up                        | : Detergent. Take up liquid spill into absorbent material sand, saw dust, kieselguhr.                                    |  |  |
| Other information                              | : Spill area may be slippery. Use suitable disposal containers.  |  |  |
| 6.4. Reference to other sections               |  |  |  |
| No additional information available            |  |  |  |
| SECTION 7: Handling and storage                |  |  |  |
| 7.1. Precautions for safe handling             |  |  |  |
| Precautions for safe handling                  | : Avoid all unnecessary exposure. Both local exhaust and general room ventilation are usually                            |  |  |
| 5  | required.  |  |  |

### Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EC) No. 453/2010

| Handling temperature                | : <40 °C   |
|-------------------------------------|--|
| Hygiene measures                    | : Wash hands and other exposed areas with mild soap and water before eating, drinking or<br>smoking and when leaving work. |
| 7.2. Conditions for safe storage,   | including any incompatibilities  |
| Storage temperature                 | : <40 °C   |
| Storage area                        | : Store in dry, cool, well-ventilated area.  |
| 7.3. Specific end use(s)            |  |
| No additional information available |  |
| <b>SECTION 8: Exposure controls</b> | s/personal protection  |
| 8.1. Control parameters             |  |
| Additional information              | : 5 mg/m3 for oil mists (TWA, 8h-workday) recommended, based upon the ACGIH TLV (Analysis                                  |
|                                     | according to US NIOSH Method 5026, NIOSH Manual of Analytical Methods, 3rd Edition).                                       |
|                                     |  |
| 8.2. Exposure controls              |  |
|                                     | according to US NIOSH Method 5026, NIOSH Manual of Analytical Methods, 3rd Edition).                                       |

with adequate ventilation.

: No special respiratory protection equipment is recommended under normal conditions of use

Respiratory protection

SECTION 0



| SECTION 9: Physical and chemical properties                |   |  |  |  |
|--|---|--|--|--|
| 9.1. Information on basic physical and chemical properties |   |  |  |  |
| Physical state   | : Liquid  |  |  |  |
| Appearance   | : Oily liquid.  |  |  |  |
| Colour   | : Yellow-brown.   |  |  |  |
| Odour  | : Characteristic.   |  |  |  |
| Odour threshold  | : No data available   |  |  |  |
| рН   | : No data available   |  |  |  |
| Relative evaporation rate (butylacetate=1)                 | : No data available   |  |  |  |
| Melting point  | : šC  |  |  |  |
| Freezing point   | : No data available   |  |  |  |
| Boiling point  | : No data available   |  |  |  |
| Flash point  | : > 200 °C @ ASTM D92   |  |  |  |
| Auto-ignition temperature                                  | : No data available   |  |  |  |
| Decomposition temperature                                  | : No data available   |  |  |  |
| Flammability (solid, gas)                                  | : No data available   |  |  |  |
| Vapour pressure  | : No data available   |  |  |  |
| Relative vapour density at 20 °C                           | : No data available   |  |  |  |
| Relative density   | : No data available   |  |  |  |
| Density  | : 850 kg/m³ @15°C   |  |  |  |
| Solubility   | : Slightly soluble, the product remains on the water surface. |  |  |  |
| Log Pow  | : No data available   |  |  |  |
| Viscosity, kinematic                                       | : 66,6 mm²/s @ 40°C   |  |  |  |
| Viscosity, dynamic   | : No data available   |  |  |  |
| Explosive properties                                       | : No data available   |  |  |  |
| Oxidising properties                                       | : No data available   |  |  |  |
| Explosive limits   | : No data available   |  |  |  |
| 9.2. Other information                                     |   |  |  |  |
|  |   |  |  |  |

No additional information available

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EC) No. 453/2010

| 10.1. Reactivity         None under normal conditions.         10.2. Chemical stability         Stable under normal conditions.         10.3. Possibility of hazardous reactions         None under normal conditions.         10.4. Conditions to avid         No data available.         10.5. Nossibility of hazardous reactions         Strong oxidorans. acids. Bases.         10.6. Nazardous decomposition products         None under normal conditions.         SECTION 111 FOX/COOglical Information         11.1. Information on toxicological effects         Acute toxicity       Not classified         Biographonyllamin 06878-20.3)         LD50 denal rat       5 6000 mg/kg OCEO 401         LD50 denal rat       2 3000 mg/kg OCFO 402         LD50 denal rat       5 0000 mg/kg OCFO 402         LD50 denal rat       5 0000 mg/kg OCFO 402         LD50 denal rat       5 0000 mg/kg OCFO 402         LD50 den  | according to Regulation (EC) No. 1907/2006 (REACH) with | its amendment Regulation (EC) No. 453/2010 |  |  |
|--|---|--|--|--|
| None under normal conditions.  10.2. Chemical stability Stabile under normal conditions.  10.4. Codditions to avoid Norma under normal conditions.  10.5. Incompatible materials Strong oxidizers. axoids. Bases.  10.6. Hazardous decomposition produces Norme under normal conditions.  10.6. Indemistion avoid 10.7. Codditions to avoid 10.8. Codditions to avoid 10.9. Codditions 10.9. Coddition 10.9. Coddit | SECTION 10: Stability and reactivity                    |  |  |  |
| 10.2. Chemical stability         Stable under normal conditions.         10.3. Possibility of hazardous reactions         None under normal conditions.         10.4. Conditions to avoid         No data available.         10.5. Nezardous decomposition products         Strong oxizons. acids. Bases.         10.6. Nezardous decomposition products         None under normal conditions.         SECTION 111 * Toxicological Information         11.1. Information on toxicological effects         Acute toxicy       : Not classified         Bisformykhenylamine (38878-20-3)         LD50 dermal rat       :> 5000 mg/kg 0FCD 401         LD50 dermal rat       :> 2000 mg/kg 0FCD 402         Zinc bic/Q-4-methylhenylyl) bic/Q-(sc-buryl)bic/dithio/phosphate)       LD50 dermal rat         LD50 dermal rat       :> 2000 mg/kg 0FCD 402         LD50 dermal rat       :> 0400 mg/kg 0FCD 402         LD50 dermal rat (mg/l)       :> 5 5 mg/kh   | 10.1. Reactivity  |  |  |  |
| Stable under normal conditions.         10.3. Possibility of hazardous reactions         None under normal conditions.         10.4. Conditions to avoid         No data available.         10.5. Incompatible materials         Strong oddrazers, acids. Bases.         10.6. Hazardous decomposition products         10.6. Gedraad decomposition products         10.6. Gedraad decomposition products         10.6. Gedraad d  | None under normal conditions.                           |  |  |  |
| Stable under normal conditions.         103. Possibility of hazardous reactions         None under normal conditions.         104. Conditions to avoid         No data available.         105. Incompatible materials         Strong oddrazers, acids. Bases.         106. Hazardous decomposition products         Rest outside decomposition products         Strong oddrazers, acids. Bases.         107. Information on toxicological information         Strong oddrazers, acids. Bases.         108. Hazardous decomposition products         Strong oddrazers, acids. Bases.         108. Hazardous decomposition products         Strong oddrazers, acids. Bases.         108. Hazardous decomposition products         Strong oddrazers, acids. Bases.         108. Organization       Not classified         Basen (Strong Control (Strong Con   | 10.2. Chemical stability                                |  |  |  |
| None under normal conditions.   10.4. Conditions to avoid   10.5. Incompatible materials   Strong oddrares, acids, Bases.   10.6. Hazardou decomposition produces   None under normal conditions.   SECTION 11: Toxicological information   Section avaitable dot dot assified   Section avaitable dot dot assified   Section avaitable dot dot dot assified   Section avaitable dot dot dataslife dot dot dataslife dot assification criteria are not met   Base of unageification criteria are not met   Base of unageification criteria are not met <td>Stable under normal conditions.</td> <td></td>  | Stable under normal conditions.                         |  |  |  |
| None under normal conditions.         10.4. Conditions to avoid         No data available.         10.5. Incompatible materials         Strong oxidzers, acids. Bases.         10.6. Hzazzika         No data available.         Strong oxidzers, acids. Bases.         10.6. Internation on toxicological information         Strong oxidzers, acids. Bases.         Strong oxidzers, acids. Bases. Strong oxidzers, acids. Bases. Strong oxidzers, acids. Bases. Strong oxidzers, acids. Bases. Strong oxidzers,   | 10.3 Possibility of bazardous reactions                 |  |  |  |
| 10.4. Conditions to avoid         No dita available.         10.5. In compatible materials         Strong oxidizers. acids. Bases.         10.6. Hazardous decomposition products         None under normal conditions.         SECTION 11: Toxicological information         SECTION 11: Toxicological information         Storing oxidizers. acids. Bases.         11.1. Information on toxicological effects         Acute toxicity       Not dassified         Bis(nonypheny)lamine (Se878-20-3)         LD50 oral rat       > 5000 mg/kg OECD 401         LD50 dermal rat       > 2000 mg/kg OECD 402         Zanc bis(O-(-6-methylheptyl)) bis(O-(sec-busyl))Eis(Chicophapha)       Distormater         LD50 oral rat       2000 mg/kg 07/548/EEG annexe V         LD50 oral rat       2000 mg/kg         LD50 oral rat       > 2000 mg/kg  |   |  |  |  |
| No data available.   10.5. Incompatible materials   10.6. Hazardous decomposition products   None under normal conditions.   SEFEMENT 11 Toxicological information   SEFEMENT 11 Toxicological information   11.1. Information on toxicological information   Section 11: Toxicological information   Section 20: Toxicological information   Se   |   |  |  |  |
| 10.5. Incompatible materials         Strong oxidizers, acids, Bases,         10.6. Hazardous decomposition products         None under normal conditions.         SECTION 11.1 Toxicological information         11.1. Information on toxicological information         12.050 oral rat   |   |  |  |  |
| Strong oxidizers, acids, Bases.         19.6.       Hazardouis decomposition products         None under normal conditions.         SECTION 11: Toxicological information         11.1.       Information on toxicological effects         Acute toxichy       ix Not classified         Bis(motyphenyl)amine (36878-20-3)   |   |  |  |  |
| 10.6. Hazardous decomposition products         None under normal conditions.         SECTON 11: Toxicological information         11.1. Information on toxicological effects         Acute toxidity       into a staffed         Bisfonnylphenyl/amine (36878-20-3)         LD50 oral rat       > 5000 mg/kg OECD 401         LD50 oral rat       2000 mg/kg OECD 402         LD50 oral rat       2600 mg/kg OECD 402         LD50 oral rat       > 2000 mg/kg OECD 402         LD50 oral rat       > 2000 mg/kg         LD50 oral rat       > 000 mg/kg Ded/weight         Serius sey damge/ritration       : Not classified         Respecitoragro can toxicity (repeated exposure) : Not  |   |  |  |  |
| None under normal conditions.  SECTION 11: Toxicological information 11. Information on toxicological effects Acute toxicity is Not classified  Bisfonophenylamine (3687-82-03) LD50 oral rat > 5000 mg/kg OECD 401 LD50 dermal rat > 2000 mg/kg OECD 402 Carc bigO(-feethylheptyl)) bigIO(-feeto-buty))IbigIO(hisphonsphate) LD50 oral rat > 2000 mg/kg OECD 402 LD50 dermal rat > 3160 mg/kg OECD 402 LD50 dermal rat > 3160 mg/kg OECD 402 LD50 dermal rat > 2000 mg/kg Dedyweight Sectior rate of genotoxicity (single exposure) : Not classified Based I unspecified (46742-54-7) NOAEL (dermal, rat/rabbit) Sectior rate organ toxicity (repeated sectior = Not dessified Exposure) Based I unspecified (46742-54-7) NOAEL (dermal, rat/rabbit) Sectior rate organ toxicity (repeated sectior = Not dessified Sectior rate organ toxicity (repeated sectior = Not dessified Sectior rate organ toxicity (repeated sectior = Not dessified Sectior rate organ toxicity (repeated sectior = Not dessified Sectior rate organ toxicity (repeated sectior = Not  | Strong oxidizers. acids. Bases.                         |  |  |  |
| SECTION 11: OxiCological information         SECTION 12: Ecological information         State toxicity       : Not classified         Bistromybinenyljamine (36878-20-3)         LD50 oral rat       > 5000 mg/kg OECD 401         LD50 dermal rat       > 2000 mg/kg OECD 402         Zine bis[O-(6-methylheptyl]) bis[O-(see-buty)]bis[dithiophosphate)  | <b>10.6.</b> Hazardous decomposition products           |  |  |  |
| 11.1. Information on toxicological effects         Acute toxicity       i Net classified         Elsconvjphenyljamine (36878-20-3)   | None under normal conditions.                           |  |  |  |
| 11.1. Information on toxicological effects         Acute toxicity       i Net classified         Elsconvjphenyljamine (36878-20-3)   |   |  |  |  |
| Acute toxicity       i       Not classified         Bisconsyphenyljamine (36878-20-3)       > 5000 mg/kg OECD 401         LD50 drai rat       > 2000 mg/kg OECD 402         Zinc higlo-(6-methylheptyl)) bis[O-(sec-buty))/bis[Ohosphate)       Image: Classified Classi   |   |  |  |  |
| Bis(nony/phenyl)amine (36878-20-3)         LD50 oral rat       > 5000 mg/kg OECD 401         LD50 oral rat       > 2000 mg/kg OECD 402         Zarb bis(O-(-enthylheptyl)) bis(D-(sec-butyl)bis(d/thiophosphate)          LD50 oral rat       2600 mg/kg OECD 402         LD50 dormal rat       > 3160 mg/kg OECD 402         LD50 dormal rat       > 3160 mg/kg OECD 402         LD50 dormal rat       > 5000 mg/kg         LD50 dormal rat       > 2000 mg/kg         LC50 inhalation rat (mg/l)       > 5 mg/l/4h         Skin corrosion/irritation       : Not classified         Baseol - unspecified (64742-54-7)       Not classified         Carcinogenicity       : Not classified         Specific target organ toxicity (single exposure)       : Not classified         Specific target organ toxicity (single exposure)       : Not classified         Specific target organ toxicity (s  |   |  |  |  |
| LD50 oral rat       > 5000 mg/kg OECD 401         LD50 oral rat       > 2000 mg/kg OECD 402         Zinc bis[O-(-6-methylheptyl)] bis[O-(sec-butyl)bis(dithiophosphate)  |   | : Not classified                           |  |  |
| LD50 dermal rat       > 2000 mg/kg OECD 402         Zinc bis[O-(6-methylheptyl)] bis[O-(sec-butyl)]bis(dithiophosphate)          LD50 oral rat       2800 mg/kg O7/5447EE annexe V         LD50 dermal rat       > 3160 mg/kg OFCD 402         LC50 inhalation rat (mg/l)       > 2 mg/l 1h - OECD 403 - read across         Baseoil - unspecified (64742-54-7)          LD50 dermal rat       > 2000 mg/kg         LC50 inhalation rat (mg/l)       > 5 mg/l/4h         Skin corrosion/irritation       : Not classified         Seroiu - unspecified (64742-54-7)       Baseoi - unspecified (64742-54-7)         LD50 dermal rat       > 2000 mg/kg         LC50 inhalation rat (mg/l)       > 5 mg/l/4h         Skin corrosion/irritation       : Not classified         Baseoi - unspecified (64742-54-7)       Baseoi - unspecified (64742-54-7)         Reproductive toxicity       : Not classified         Baseoi - unspecified (64742-54-7)       Not classified         NOAEL (demal, rat/rabbit)       > 2000 mg/kg bodyweight         Specific target organ toxicity (repeated       : Not classified         Baseoi - unspecified (64742-54-7)       Not classified         NOAEL (demal, rat/rabbit, 90 days)       > 2000 mg/kg bodyweight         Specific target organ toxicity (repeated       : Not classified </td <td>Bis(nonylphenyl)amine (36878-20-3)</td> <td></td>  | Bis(nonylphenyl)amine (36878-20-3)                      |  |  |  |
| Zinc bis[O-(-6-methylheptyl)] bis[O-(sec-butyl)]bis[dithiophosphate)         LD50 dermal rat       2600 mg/kg 67/548/EEG annexe V         LD50 dermal rat       > 3160 mg/kg 0ECD 402         LC50 inhalation rat (mg/l)       > 2 mg/l 1h - 0ECD 403 - read across         Baseoil - unspecified (64742-54-7)       E0000 mg/kg         LD50 dermal rat       > 2000 mg/kg         LD50 dermal rat       > 0000 mg/kg         LD50 dermal rat       > Not classified         Serious evel damage/initiation       : Not classified         Baseol - unspecified (64742-54-7)       Not classified         Specific target organ toxicity (single exposure)       : Not classified         Specific target organ toxicity (repeated exposure)       : Not classified         exposure)       Suc classified         Specific target organ toxicity (repeated exposure)       : Not classif  |   |  |  |  |
| LD50 oral rat       2600 mg/kg 67/548/EEG annexe V         LD50 dermal rat       > 3160 mg/kg 0ECD 402         LC50 inhalation rat (mg/l)       > 2 mg/l 1h - OECD 403 - read across         Baseoil - unspecified (64742-54-7)       UD50 dermal rat         LD50 oral       > 5000 mg/kg         LD50 dermal rat       > 2000 mg/kg         Skin corrosion/irritation       : Not classified         Baseol on available data, the classification criteria are not met         Germ cell mutagenicity       : Not classified         Specific target organ toxicity (single exposure)       : Not classified         Baseoil - unspecified (64742-54-7)       NOAEL (dermal, rat/rabbit)       > 2000 mg/kg bodyweight         NOAEL (dermal, rat/rabbit)       > 2000 mg/kg bodyweight </td <td>LD50 dermal rat</td> <td>&gt; 2000 mg/kg OECD 402</td>   | LD50 dermal rat   | > 2000 mg/kg OECD 402                      |  |  |
| LD50 dermal rat       > 3160 mg/kg OECD 402         LC50 inhalation rat (mg/l)       > 2 mg/l 1h - OECD 403 - read across         Baseoil - unspecified (64742-54-7)          LD50 oral       > 5000 mg/kg         LD50 dermal rat       > 2000 mg/kg         LC50 inhalation rat (mg/l)       > 5 mg/l/4h         Skin corrosion/irritation       Not classified         Serious eye damage/irritation       Not classified         Respiratory or skin sensitisation       Not classified         Germ cell mutagenicity       Not classified         Carcinogenicity       Not classified         Baseoil - unspecified (64742-54-7)       Not classified         NOAEL (dermal, rat/rabbit)       > 2000 mg/kg bodyweight         Specific target organ toxicity (repeated exposure)       Not classified         Baseoil - unspecified (64742-54-7)       Nocel classified         NOAEL (dermal, rat/rabbit)       > 2000 mg/kg bodyweight         Specific target organ toxicity (repeated exposure)       Not classified         NOAEL (dermal, rat/rabbit, 90 days)       > 1000 mg/kg bodyweight         NOAEL (dermal, rat/rabbit, 90 days)       > 2000 mg/kg bodyweight         NOAEL (dermal, rat/rabbit, 90 days)       > 980 mg/kg bodyweight         Adays)       > 980 mg/kg bodyweight         Adays <td>Zinc bis[O-(-6-methylheptyl)] bis[O-(sec-butyl</td> <td>)]bis(dithiophosphate)</td>  | Zinc bis[O-(-6-methylheptyl)] bis[O-(sec-butyl          | )]bis(dithiophosphate)                     |  |  |
| LC50 inhalation rat (mg/l)       > 2 mg/l 1h - OECD 403 - read across         Baseoil - unspecified (64742-54-7)         LD50 dermal rat       > 5000 mg/kg         LD50 inhalation rat (mg/l)       > 5 mg/l/4h         Skin corrosion/irritation       : Not classified         Respiratory or skin sensitisation       : Not classified         Responductive toxicity       : Not classified         Specific target organ toxicity (single exposure)       : Not classified         Baseoil - unspecified (64742-54-7)       .         NOAEL (dermal, rat/rabbit)       > 2000 mg/kg bodyweight         Specific target organ toxicity (repeated exposure)       : Not classified         Baseoil - unspecified (64742-54-7)       .         NOAEL (dermal, rat/rabbit)       > 2000 mg/kg bodyweight         Specific target organ toxicity (repeated exposure)       : Not classified         NOAEL (durand, rat/rabbit, 90 days)       > 1000 mg/kg bodyweight/day         NOAEL (subcrute, oral, animal/male, 28 days)       > 220 mg/kg bodyweight         NOAEL (subcrute, oral, animal/male,   | LD50 oral rat   |  |  |  |
| Baseoil - unspecified (64742-54-7)         LD50 dermal rat       > 5000 mg/kg         LD50 inhalation rat (mg/l)       > 5 mg/l/4h         Skin corrosion/irritation       : Not classified         Serious eye damage/irritation       : Not classified         Baseoil - unspecified (64742-54-7)       Baseod on available data, the classification criteria are not met         Germ cell mutagenicity       : Not classified         Carcinogenicity       : Not classified         Specific target organ toxicity (single exposure)       : Not classified         Baseoil - unspecified (64742-54-7)       In classified         NOAEL (dermal, rat/rabbit)       > 2000 mg/kg bodyweight         Specific target organ toxicity (repeated exposure)       : Not classified         Baseoil - unspecified (64742-54-7)       In classified         NOAEL (dermal, rat/rabbit)       > 2000 mg/kg bodyweight         Specific target organ toxicity (repeated exposure)       : Not classified         WOAEL (dermal, rat/rabbit)       > 1000 mg/kg bodyweight/day         NOAEL (dermal, rat/rabbit)       > 200 mg/kg bodyweight         NOAEL (subcrue, oral, animal/male, 28 days)       > 220 mg/kg bodyweight         NOAEL (subcrue, oral, animal/male, 30       > 980 mg/kg bodyweight         Agairation hazard       : Not classified         WDEFEOTECH OW   |   |  |  |  |
| LD50 oral       > 5000 mg/kg         LD50 dermal rat       > 2000 mg/kg         LC50 inhalation rat (mg/l)       > 5 mg/l/4h         Skin corrosion/irritation       Not classified         Serious eye damage/irritation       Not classified         Based on available data, the classification criteria are not met         Germ cell mutagenicity       Not classified         Carcinogenicity       Not classified         Carcinogenicity       Not classified         Specific target organ toxicity (single exposure)       : Not classified         Baseoil - unspecified (64742-54-7)       Not classified         NOAEL (dermal, rat/rabbit)       > 2000 mg/kg bodyweight         Specific target organ toxicity (repeated exposure)       : Not classified         seposure)       > 1000 mg/kg bodyweight         NOAEL (dermal, rat/rabbit)       > 2000 mg/kg bodyweight/day         NOAEL (dubacute, oral, animal/male, 28 days)       > 220 mg/kg bodyweight         NOAEL (subchronic, oral, animal/male, 90 days)       > 980 mg/kg bodyweight         NOAEL (subchronic, oral, animal/male, 90 days)       > 980 mg/kg bodyweight         NOAEL (subchronic, oral, animal/male, 90 days)       > 980 mg/kg bodyweight         Specific target organ toxicity (repeated exposure)       > 980 mg/kg bodyweight         NOAEL (subchorinic, oral, animal   |   | > 2 mg/l 1h - OECD 403 - read across       |  |  |
| LD50 dermal rat       > 2000 mg/kg         LC50 inhalation rat (mg/l)       > 5 mg/l/4h         Skin corrosion/irritation       : Not classified         Serious eye damage/irritation       : Not classified         Respiratory or skin sensitisation       : Not classified         Based on available data, the classification criteria are not met         Germ cell mutagenicity       : Not classified         Carcinogenicity       : Not classified         Specific target organ toxicity (single exposure)       : Not classified         Baseol - unspecified (64742-54-7)       NOAEL (dermal, rat/rabbit)         NOAEL (dermal, rat/rabbit)       > 2000 mg/kg bodyweight         Specific target organ toxicity (repeated exposure)       : Not classified         exposure)       > 1000 mg/kg bodyweight/day         NOAEL (dermal, rat/rabbit, 90 days)       > 1000 mg/kg bodyweight/day         NOAEL (subcure, oral, animal/male, 28 days)       > 220 mg/kg bodyweight         NOAEL (subcure, oral, animal/male, 90 days)       > 980 mg/kg bodyweight         Aspiration hazard       : Not classified         WOLF ECOTECH OW30 C3 FE       Viscosity, kinematic         Viscosity, kinematic       66,6 mm²/s @ 40°C         SECTION 12: Ecological information       66,6 mm²/s @ 40°C   | · · · · ·   |  |  |  |
| LC50 inhalation rat (mg/l)       > 5 mg/l/4h         Skin corrosion/irritation       : Not classified         Serious eye damage/irritation       : Not classified         Based on available data, the classification criteria are not met         Germ cell mutagenicity       : Not classified         Carcinogenicity       : Not classified         Reproductive toxicity       : Not classified         Specific target organ toxicity (single exposure)       : Not classified         Baseol - unspecified (64742-54-7)       Not classified         NOAEL (dermal, rat/rabbit)       > 2000 mg/kg bodyweight         Specific target organ toxicity (repeated exposure)       : Not classified         exposure)       > 1000 mg/kg bodyweight         Specific target organ toxicity (repeated exposure)       : Not classified         exposure)       > 2000 mg/kg bodyweight/day         NOAEL (dermal, rat/rabbit)       > 2000 mg/kg bodyweight/day         NOAEL (subchronic, oral, animal/male, 28 days)       > 1000 mg/kg bodyweight         NOAEL (subchronic, oral, animal/male, 90 days)       > 980 mg/kg bodyweight         Aspiration hazard       : Not classified         WOLF ECOTECH 0W30 C3 FE       Viscosity, kinematic         SecTION 12: Ecological information       66,6 mm <sup>2</sup> /s @ 40°C  |   |  |  |  |
| Skin corrosion/irritation       :       Not classified         Serious eye damage/irritation       :       Not classified         Respiratory or skin sensitisation       :       Not classified         Based on available data, the classification criteria are not met       Based on available data, the classification criteria are not met         Germ cell mutagenicity       :       Not classified         Carcinogenicity       :       Not classified         Reproductive toxicity       :       Not classified         Specific target organ toxicity (single exposure)       :       Not classified         Specific target organ toxicity (repeated exposure)       :       Not classified         Specific target organ toxicity (repeated exposure)       :       Not classified         Specific target organ toxicity (repeated exposure)       :       Not classified         Specific target organ toxicity (repeated exposure)       :       Not classified         NOAEL (dermal, rat/rabbit, 90 days)       > 1000 mg/kg bodyweight/day          NOAEL (subacute, oral, animal/male, 28 days)       > 220 mg/kg bodyweight          NOAEL (subchronic, oral, animal/male, 90<br>days)       > 980 mg/kg bodyweight          Aspiration hazard       :       Not classified         WOLF ECOTECH OW30 C3 FE </td <td></td> <td></td>   |   |  |  |  |
| Serious eye damage/irritation       :       Not classified<br>Based on available data, the classification criteria are not met         Germ cell mutagenicity       :       Not classified<br>Based on available data, the classification criteria are not met         Garn cell mutagenicity       :       Not classified<br>Based on available data, the classification criteria are not met         Garn cell mutagenicity       :       Not classified         Carcinogenicity       :       Not classified         Reproductive toxicity       :       Not classified         Specific target organ toxicity (single exposure)       :       Not classified         Specific target organ toxicity (repeated exposure)       :       Not classified         Specific target organ toxicity (repeated exposure)       :       Not classified         spocific (64742-54-7)        >       2000 mg/kg bodyweight         NOAEL (dermal, rat/rabbit, 90 days)       >       >       >       >       >         NOAEL (subacute, oral, animal/male, 28 days)       >   |   |  |  |  |
| Respiratory or skin sensitisation       : Not classified<br>Based on available data, the classification criteria are not met         Germ cell mutagenicity       : Not classified<br>Carcinogenicity         Carcinogenicity       : Not classified         Reproductive toxicity       : Not classified         Specific target organ toxicity (single exposure)       : Not classified         Baseoil - unspecified (64742-54-7)       > 2000 mg/kg bodyweight         NOAEL (dermal, rat/rabbit)       > 2000 mg/kg bodyweight         Specific target organ toxicity (repeated exposure)       : Not classified         WOAEL (dermal, rat/rabbit, 90 days)       > 1000 mg/kg bodyweight/day         NOAEL (subacute, oral, animal/male, 28 days)       > 220 mg/kg bodyweight         NOAEL (subchronic, oral, animal/male, 90<br>days)       > 980 mg/kg bodyweight         Aspiration hazard       : Not classified         WOLF ECOTECH 0W30 C3 FE       -         Viscosity, kinematic       66.6 mm²/s @ 40°C   |   |  |  |  |
| Based on available data, the classification criteria are not met         Germ cell mutagenicity       : Not classified         Carcinogenicity       : Not classified         Reproductive toxicity       : Not classified         Specific target organ toxicity (single exposure)       : Not classified         Baseoil - unspecified (64742-54-7)       NOAEL (dermal, rat/rabbit)       > 2000 mg/kg bodyweight         Specific target organ toxicity (repeated exposure)       : Not classified         Baseoil - unspecified (64742-54-7)       NOAEL (dermal, rat/rabbit, 90 days)       > 2000 mg/kg bodyweight         NOAEL (dermal, rat/rabbit, 90 days)       > 1000 mg/kg bodyweight/day       NOAEL (subacute, oral, animal/male, 28 days)       > 220 mg/kg bodyweight         NOAEL (subchronic, oral, animal/male, 90 days)       > 980 mg/kg bodyweight       > 980 mg/kg bodyweight         Aspiration hazard       : Not classified         WOLF ECOTECH 0W30 C3 FE       Viscosity, kinematic         Viscosity, kinematic       66,6 mm²/s @ 40°C         SECTION 12: Ecological information       E6,6 mm²/s @ 40°C   |   |  |  |  |
| Germ cell mutagenicity       : Not classified         Carcinogenicity       : Not classified         Reproductive toxicity       : Not classified         Specific target organ toxicity (single exposure)       : Not classified         Baseoil - unspecified (64742-54-7)       > 2000 mg/kg bodyweight         NOAEL (dermal, rat/rabbit)       > 2000 mg/kg bodyweight         Specific target organ toxicity (repeated exposure)       : Not classified         exposure)       : Not classified         Baseoil - unspecified (64742-54-7)       : Not classified         NOAEL (dermal, rat/rabbit)       > 2000 mg/kg bodyweight/day         NOAEL (dermal, rat/rabbit, 90 days)       > 1000 mg/kg bodyweight/day         NOAEL (subacute, oral, animal/male, 28 days)       > 220 mg/kg bodyweight         NOAEL (subchronic, oral, animal/male, 90 days)       > 980 mg/kg bodyweight         Aspiration hazard       : Not classified         WOLF ECOTECH 0W30 C3 FE       • Not classified         Viscosity, kinematic       66,6 mm²/s @ 40°C         SECTION 12: Ecological information       66,6 mm²/s @ 40°C  |   |  |  |  |
| Carcinogenicity       : Not classified         Reproductive toxicity       : Not classified         Specific target organ toxicity (single exposure)       : Not classified         Baseoil - unspecified (64742-54-7)       > 2000 mg/kg bodyweight         NOAEL (dermal, rat/rabbit)       > 2000 mg/kg bodyweight         Specific target organ toxicity (repeated exposure)       : Not classified         Baseoil - unspecified (64742-54-7)       : Not classified         Baseoil - unspecified (64742-54-7)       : Not classified         NOAEL (dermal, rat/rabbit, 90 days)       > 1000 mg/kg bodyweight/day         NOAEL (subacute, oral, animal/male, 28 days)       > 220 mg/kg bodyweight         NOAEL (subchronic, oral, animal/male, 90 days)       > 980 mg/kg bodyweight         Aspiration hazard       : Not classified         WOLF ECOTECH 0W30 C3 FE       : Not classified         Viscosity, kinematic       66,6 mm²/s @ 40°C         SECTION 12: Ecological information       : Section = 1000 mg/kg bodyweight  | Germ cell mutagenicity                                  |  |  |  |
| Reproductive toxicity       : Not classified         Specific target organ toxicity (single exposure)       : Not classified         Baseoil - unspecified (64742-54-7)       > 2000 mg/kg bodyweight         NOAEL (dermal, rat/rabbit)       > 2000 mg/kg bodyweight         Specific target organ toxicity (repeated exposure)       : Not classified         Baseoil - unspecified (64742-54-7)       NOAEL (dermal, rat/rabbit, 90 days)         NOAEL (dermal, rat/rabbit, 90 days)       > 1000 mg/kg bodyweight/day         NOAEL (subacute, oral, animal/male, 28 days)       > 220 mg/kg bodyweight         NOAEL (subacute, oral, animal/male, 90 days)       > 980 mg/kg bodyweight         NOAEL (subchronic, oral, animal/male, 90 days)       > 980 mg/kg bodyweight         MOAEL (subchronic, oral, animal/male, 90 days)       > 980 mg/kg bodyweight         MOAEL (subchronic, oral, animal/male, 90 days)       > 980 mg/kg bodyweight         MOAEL (subchronic, oral, animal/male, 90 days)       > 980 mg/kg bodyweight         Viscosity, kinematic       66,6 mm²/s @ 40°C         SECTION 12: Ecological information       Sectro         Xuet       Xuet   |   |  |  |  |
| Specific target organ toxicity (single exposure)       : Not classified         Baseoil - unspecified (64742-54-7)       > 2000 mg/kg bodyweight         NOAEL (dermal, rat/rabbit)       > 2000 mg/kg bodyweight         Specific target organ toxicity (repeated exposure)       : Not classified         Baseoil - unspecified (64742-54-7)       : Not classified         NOAEL (dermal, rat/rabbit, 90 days)       > 1000 mg/kg bodyweight/day         NOAEL (subacute, oral, animal/male, 28 days)       > 220 mg/kg bodyweight         NOAEL (subchronic, oral, animal/male, 90 days)       > 980 mg/kg bodyweight         ASpiration hazard       : Not classified         WOLF ECOTECH 0W30 C3 FE       Viscosity, kinematic         Viscosity, kinematic       66,6 mm²/s @ 40°C   | <b>o</b> ,  |  |  |  |
| Baseoil - unspecified (64742-54-7)       > 2000 mg/kg bodyweight         NOAEL (dermal, rat/rabbit)       > 2000 mg/kg bodyweight         Specific target organ toxicity (repeated exposure)       : Not classified         Baseoil - unspecified (64742-54-7)   | , , , , , , , , , , , , , , , , , , ,                   |  |  |  |
| NOAEL (dermal, rat/rabbit)       > 2000 mg/kg bodyweight         Specific target organ toxicity (repeated exposure)       : Not classified         Baseoil - unspecified (64742-54-7)  |   |  |  |  |
| Specific target organ toxicity (repeated exposure)       Not classified         Baseoil - unspecified (64742-54-7)          NOAEL (dermal, rat/rabbit, 90 days)       > 1000 mg/kg bodyweight/day         NOAEL (subacute, oral, animal/male, 28 days)       > 220 mg/kg bodyweight         NOAEL (subchronic, oral, animal/male, 90 days)       > 980 mg/kg bodyweight         NOAEL (subchronic, oral, animal/male, 90 days)       > 980 mg/kg bodyweight         NOAEL (subchronic, oral, animal/male, 90 days)       > 980 mg/kg bodyweight         VOLFE COTECH 0W30 C3 FE       Viscosity, kinematic         Viscosity, kinematic       66,6 mm²/s @ 40°C         SECTION 12: Ecological information       12.1. Toxicity  |   |  |  |  |
| Baseoil - unspecified (64742-54-7)         NOAEL (dermal, rat/rabbit, 90 days)       > 1000 mg/kg bodyweight/day         NOAEL (subacute, oral, animal/male, 28 days)       > 220 mg/kg bodyweight         NOAEL (subchronic, oral, animal/male, 90 days)       > 980 mg/kg bodyweight         NOAEL (subchronic, oral, animal/male, 90 days)       > 980 mg/kg bodyweight         Aspiration hazard       : Not classified         WOLF ECOTECH 0W30 C3 FE       Viscosity, kinematic         Viscosity, kinematic       66,6 mm²/s @ 40°C         SECTION 12: Ecological information         12.1. Toxicity  |   |  |  |  |
| NOAEL (dermal, rat/rabbit, 90 days)       > 1000 mg/kg bodyweight/day         NOAEL (subacute, oral, animal/male, 28 days)       > 220 mg/kg bodyweight         NOAEL (subchronic, oral, animal/male, 90       > 980 mg/kg bodyweight         days)       > 980 mg/kg bodyweight         Aspiration hazard       : Not classified         WOLF ECOTECH 0W30 C3 FE          Viscosity, kinematic       66,6 mm²/s @ 40°C         SECTION 12: Ecological information         12.1.       Toxicity  | Specific target organ toxicity (repeated exposure)      | : Not classified                           |  |  |
| NOAEL (subacute, oral, animal/male, 28 days)       > 220 mg/kg bodyweight         NOAEL (subchronic, oral, animal/male, 90<br>days)       > 980 mg/kg bodyweight         Aspiration hazard       : Not classified         WOLF ECOTECH 0W30 C3 FE<br>Viscosity, kinematic       66,6 mm²/s @ 40°C         SECTION 12: Ecological information         12.1.       Toxicity  | Baseoil - unspecified (64742-54-7)                      |  |  |  |
| NOAEL (subchronic, oral, animal/male, 90 days)       > 980 mg/kg bodyweight         Aspiration hazard       : Not classified         WOLF ECOTECH 0W30 C3 FE          Viscosity, kinematic       66,6 mm²/s @ 40°C         SECTION 12: Ecological information       12.1. Toxicity   |   | > 1000 mg/kg bodyweight/day                |  |  |
| days)     Image: Constraint of the second of t                           | NOAEL (subacute, oral, animal/male, 28 days)            |  |  |  |
| WOLF ECOTECH 0W30 C3 FE         Viscosity, kinematic         66,6 mm²/s @ 40°C         SECTION 12: Ecological information         12.1. Toxicity   |   | > 980 mg/kg bodyweight                     |  |  |
| Viscosity, kinematic 66,6 mm²/s @ 40°C<br>SECTION 12: Ecological information<br>12.1. Toxicity   | Aspiration hazard                                       | : Not classified                           |  |  |
| SECTION 12: Ecological information<br>12.1. Toxicity   | WOLF ECOTECH 0W30 C3 FE                                 |  |  |  |
| 12.1. Toxicity   | Viscosity, kinematic                                    | 66,6 mm²/s @ 40°C                          |  |  |
| 12.1. Toxicity   |   |  |  |  |
|  |   |  |  |  |
| Bis(nonylphenyl)amine (36878-20-3)   | 12.1. Toxicity  |  |  |  |
|  | Bis(nonylphenyl)amine (36878-20-3)                      |  |  |  |

| Bis(nonyiphenyi)amine (36878-20-3) |   |     |
|------------------------------------|---|-----|
| LC50 fish 1                        | > 100 mg/l OECD 203 (Danio rerio @96h)        |     |
| EC50 Daphnia 1                     | > 100 mg/I OECD 202 (Daphnia magna)           |     |
| EC50 72h algae (1)                 | > 100 mg/l OECD 201 (Desmodesdus subspicatus) |     |
| 23/01/2017                         | EN (English)                                  | 4/8 |

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EC) No. 453/2010

| according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EC) No. 453/2010 |   |  |  |  |
|--|---|--|--|--|
| Zinc bis[O-(-6-methylheptyl)] bis[O-(sec-butyl)]bis(dithiophosphate)                               |   |  |  |  |
| LC50 fish 1  | 4,5 mg/l OECD 203 (Oncorhynchys mykiss) 96h                             |  |  |  |
| EC50 Daphnia 1   | 5,4 mg/l OECD 202 (Daphnia magna) 48h                                   |  |  |  |
| EC50 other aquatic organisms 1   | 2,1 mg/l OECD 201 (Selenastrum capricornutum) 48h                       |  |  |  |
| Baseoil - unspecified (64742-54-7)   |   |  |  |  |
| LC50 fish 1  | > 100 mg/l  |  |  |  |
|  |   |  |  |  |
| 12.2. Persistence and degradability  |   |  |  |  |
| WOLF ECOTECH 0W30 C3 FE  |   |  |  |  |
| Persistence and degradability  | Not soluble in water, so only minimally biodegradable.                  |  |  |  |
| Bis(nonylphenyl)amine (36878-20-3)   |   |  |  |  |
| Persistence and degradability  | Not readily biodegradable.  |  |  |  |
| Biodegradation   | 1 % @28d  |  |  |  |
| Zinc bis[O-(-6-methylheptyl)] bis[O-(sec-butyl)  | ]bis(dithiophosphate)   |  |  |  |
| Biodegradation   | 1,5 % OECD 301B 28d   |  |  |  |
| 12.3. Bioaccumulative potential  |   |  |  |  |
| Bis(nonylphenyl)amine (36878-20-3)   |   |  |  |  |
| Log Pow  | > 7.6   |  |  |  |
| Bioaccumulative potential  | Potential to bioaccumulate.   |  |  |  |
| Zinc bis[O-(-6-methylheptyl)] bis[O-(sec-butyl)  |   |  |  |  |
| Log Pow  | 0.9 @23°C   |  |  |  |
| Baseoil - unspecified (64742-54-7)   | 0,0 620 0   |  |  |  |
| Bioaccumulative potential  | No data available.  |  |  |  |
| 12.4. Mobility in soil   |   |  |  |  |
| -  |   |  |  |  |
| Bis(nonylphenyl)amine (36878-20-3)   |   |  |  |  |
| Ecology - soil   | Adsorbs into the soil.  |  |  |  |
| Zinc bis[O-(-6-methylheptyl)] bis[O-(sec-butyl)  |   |  |  |  |
| Ecology - soil   | Adsorbs into the soil.  |  |  |  |
| 12.5. Results of PBT and vPvB assessment   |   |  |  |  |
| No additional information available  |   |  |  |  |
| 12.6. Other adverse effects  |   |  |  |  |
| No additional information available  |   |  |  |  |
| SECTION 13: Disposal considerations  |   |  |  |  |
|  |   |  |  |  |
| 13.1. Waste treatment methods  |   |  |  |  |
| Additional information   | Dispose in a safe manner in accordance with local/national regulations. |  |  |  |
| SECTION 14: Transport information  |   |  |  |  |
| In accordance with ADR / RID / IMDG / IATA / ADI   | N   |  |  |  |
| 14.1. UN number  |   |  |  |  |
| Not regulated for transport  |   |  |  |  |
| 14.2. UN proper shipping name  |   |  |  |  |
|  | Not applicable  |  |  |  |
| Proper Shipping Name (IMDG)  | Not applicable  |  |  |  |
| Proper Shipping Name (IATA)  | Not applicable  |  |  |  |
| Proper Shipping Name (ADN)   | Not applicable  |  |  |  |
|  | Not applicable  |  |  |  |
|  |   |  |  |  |
| 14.3. Transport hazard class(es)   |   |  |  |  |
| ADR  |   |  |  |  |
| Transport hazard class(es) (ADR)   | Not applicable  |  |  |  |
|  |   |  |  |  |
|  |   |  |  |  |
| Transport hazard class(es) (IMDG) : Not applicable   |   |  |  |  |
|  |   |  |  |  |
| IATA   | Net enplicable  |  |  |  |
| Transport hazard class(es) (IATA)  | Not applicable  |  |  |  |

### Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EC) No. 453/2010

| ADN<br>Transport hazard class(es) (ADN) | : Not applicable                         |
|---|--|
| RID<br>Transport hazard class(es) (RID) | : Not applicable                         |
| 14.4. Packing group                     |  |
| Packing group (ADR)                     | : Not applicable                         |
| Packing group (IMDG)                    | : Not applicable                         |
| Packing group (IATA)                    | : Not applicable                         |
| Packing group (ADN)                     | : Not applicable                         |
| Packing group (RID)                     | : Not applicable                         |
| 14.5. Environmental hazards             |  |
| Dangerous for the environment           | : No                                     |
| Marine pollutant                        | : No                                     |
| Other information                       | : No supplementary information available |

#### 14.6. Special precautions for user

#### - Overland transport

No data available

#### - Transport by sea

No data available

### - Air transport

No data available

#### - Inland waterway transport

No data available

#### - Rail transport

No data available

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

### Not applicable

| SECTION   | ON 15: Regulatory information  | n |   |  |  |  |
|-----------|--|---|---|--|--|--|
| 15.1.     | Safety, health and environmental regulations/legislation specific for the substance or mixture   |   |   |  |  |  |
| 15.1.1.   | EU-Regulations   |   |   |  |  |  |
| Contains  | Contains no REACH substances with Annex XVII restrictions<br>Contains no substance on the REACH candidate list<br>Contains no REACH Annex XIV substances |   |   |  |  |  |
| 15.1.2.   | National regulations   |   |   |  |  |  |
| Germany   | /  |   |   |  |  |  |
| VwVwS A   | Annex reference  | : | Water hazard class (WGK) 1, low hazard to waters (Classification according to VwVwS, Annex 4)         |  |  |  |
|           | nance Implementing the Federal<br>n Control Act - 12.BImSchV   | : | Is not subject of the 12. BlmSchV (Hazardous Incident Ordinance)                                      |  |  |  |
| Netherla  | nds  |   |   |  |  |  |
| SZW-lijst | van kankerverwekkende stoffen  | : | Zinc bis[O-(-6-methylheptyl)] bis[O-(sec-butyl)]bis(dithiophosphate),Baseoil - unspecified are listed |  |  |  |
| SZW-lijst | van mutagene stoffen   | : | Zinc bis[O-(-6-methylheptyl)] bis[O-(sec-butyl)]bis(dithiophosphate),Baseoil - unspecified are listed |  |  |  |

: None of the components are listed

: None of the components are listed

NIET-limitatieve lijst van voor de voortplanting

NIET-limitatieve lijst van voor de voortplanting

giftige stoffen - Borstvoeding

giftige stoffen - Vruchtbaarheid

### Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EC) No. 453/2010

| NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Ontwikkeling | : None of the components are listed   |
|---|---|
| Denmark   |   |
| Classification remarks  | : Emergency management guidelines for the storage of flammable liquids must be followed                   |
| Recommendations Danish Regulation   | : Pregnant/breastfeeding women working with the product must not be in direct contact with the<br>product |
|   |   |

15.2. Chemical safety assessment

No chemical safety assessment has been carried out for the substance or the mixture by the supplier

### **SECTION 16: Other information**

| Inc | lication of changes: |  |          |  |
|-----|----------------------|--|----------|--|
| 1   |                      | Classification according                   | Modified |  |
|     |                      | to Regulation (EC) No.<br>1272/2008 [CLP]  |          |  |
| 3   | .2                   | Composition/informatio<br>n on ingredients | Modified |  |

Abbreviations and acronyms:

| ACGIH: American Conference of Governmental Industrial Hygienists   |
|--|
| TWA: Time Weighted Average   |
| TLV: Threshold Limit Value   |
| ASTM: American Society for Testing and Materials   |
| ADR: Accord Européen Relatif au Transport International des Marchandises Dangereuses par Route                       |
| RID: Regulations Concerning the International Carriage of Dangerous Goods by Rail                                    |
| ADNR: Accord Européen relatif au Transport International des Marchandises Dangereuses par voie de Navigation du Rhin |
| IMDG: International Maritime Dangerous Goods   |
| ICAO: International Civil Aviation Organization  |
| IATA: International Air Transport Association  |
| STEL: Short Term Exposure Limit  |
| LD50: median Lethal Dose for 50% of subjects   |
| ATE: acute toxicity estimate   |
| LC50: median Lethal Concentration for 50% of subjects  |
| EC50: concentration producing 50% effect   |

Other information

: The information in this SDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This MSDS was prepared and is to be used only for this product. If the product is used as a component in another product, this MSDS information may not be applicable.

#### Full text of H- and EUH-statements:

| Aquatic Chronic 2 | Hazardous to the aquatic environment — Chronic Hazard, Category 2 |
|-------------------|---|
| Aquatic Chronic 4 | Hazardous to the aquatic environment — Chronic Hazard, Category 4 |
| Asp. Tox. 1       | Aspiration hazard, Category 1                                     |
| Eye Dam. 1        | Serious eye damage/eye irritation, Category 1                     |
| Skin Irrit. 2     | Skin corrosion/irritation, Category 2                             |
| Skin Sens. 1      | Sensitisation — Skin, Category 1                                  |
| STOT RE 2         | Specific target organ toxicity — Repeated exposure, Category 2    |
| 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                   |
| H413              | May cause long lasting harmful effects to aquatic life            |
| EUH208            | Contains . May produce an allergic reaction                       |
| EUH210            | Safety data sheet available on request                            |

### Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EC) No. 453/2010

#### SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product