

Safety Data Sheet

according to Regulation (EC) No 1907/2006

HIGHTEC TOPGEAR SAE 75W-90 S

Revision date: 10.02.2024

Product code: 25002

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

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

Gear oil

1.3. Details of the supplier of the safety data sheet

| | | |
|-----------------|-------------------------|-------------------------------|
| Company name: | ROWE Mineralölwerk GmbH | |
| Street: | Langgewann 101 | |
| Place: | D-67547 Worms | |
| Telephone: | +49 (0)6241 5906-0 | Telefax: +49 (0)6241 5906-999 |
| E-mail: | info@rowe-oil.com | |
| Contact person: | Product Compliance | |
| E-mail: | sdb@rowe-oil.com | |
| Internet: | www.rowe-oil.com | |

1.4. Emergency telephone number:

Ireland: Public (8am-10pm) +353 180 921 66, Healthcare Professionals +353 1809 2566 other Countries: Emergency CONTACT (24-Hour-Number): GBK GmbH +49 (0)6132-84463

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

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

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

| | |
|--------|---|
| EUH208 | Contains Reaction products of bis(2-methylpentan-2-yl)dithiophosphoric acid with phosphorus oxide, propylene oxide and amines, C12-14 alkyl (branched). May produce an allergic reaction. |
|--------|---|

2.3. Other hazards

No information available.

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

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Relevant ingredients

| CAS No | Chemical name | | | Quantity |
|------------|---|--------------|------------------|-------------|
| | EC No | Index No | REACH No | |
| | Classification (Regulation (EC) No 1272/2008) | | | |
| 64742-54-7 | Distillates (petroleum), hydrotreated heavy paraffinic; Baseoil - unspecified | | | 5 - < 15 % |
| | 265-157-1 | 649-467-00-8 | 01-2119484627-25 | |
| | Asp. Tox. 1; H304 | | | |
| 63150-07-2 | 2-Propenoic acid, 2-methyl-, C10-20-alkyl esters, polymers with Methyl methacrylate | | | 5 - < 15 % |
| | Eye Irrit. 2; H319 | | | |
| 68937-96-2 | Polysulfides, di-tert-Bu | | | 2.5 - < 5 % |
| | 273-103-3 | | 01-2119540515-43 | |
| | Skin Sens. 1B, Aquatic Chronic 3; H317 H412 | | | |
| 72623-86-0 | Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based; Baseoil - unspecified | | | 2.5 - < 5 % |
| | 276-737-9 | 649-482-00-X | 01-2119474878-16 | |
| | Asp. Tox. 1; H304 | | | |
| | Reaction products of bis(2-methylpentan-2-yl)dithiophosphoric acid with phosphorus oxide, propylene oxide and amines, C12-14 alkyl (branched) | | | 1 - < 2.5 % |
| | 931-384-6 | | 01-2119493620-38 | |
| | Acute Tox. 4, Eye Irrit. 2, Skin Sens. 1B, Aquatic Chronic 2; H302 H319 H317 H411 | | | |
| 13703-82-7 | Magnesium metaborate | | | 0.3 - < 1 % |
| | 237-235-5 | | 01-2120769073-53 | |
| | Skin Sens. 1B; H317 | | | |

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

Specific Conc. Limits, M-factors and ATE

| CAS No | EC No | Chemical name | Quantity |
|------------|-----------|---|-------------|
| | | Specific Conc. Limits, M-factors and ATE | |
| 64742-54-7 | 265-157-1 | Distillates (petroleum), hydrotreated heavy paraffinic; Baseoil - unspecified | 5 - < 15 % |
| | | dermal: LD50 = > 5000 mg/kg; oral: LD50 = > 5000 mg/kg | |
| 68937-96-2 | 273-103-3 | Polysulfides, di-tert-Bu | 2.5 - < 5 % |
| | | Skin Sens. 1B; H317: >= 46 - 100 | |
| 72623-86-0 | 276-737-9 | Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based; Baseoil - unspecified | 2.5 - < 5 % |
| | | dermal: LD50 = > 5000 mg/kg; oral: LD50 = > 5000 mg/kg | |
| | 931-384-6 | Reaction products of bis(2-methylpentan-2-yl)dithiophosphoric acid with phosphorus oxide, propylene oxide and amines, C12-14 alkyl (branched) | 1 - < 2.5 % |
| | | oral: LD50 = 2000 mg/kg Eye Irrit. 2; H319: >= 50 - 100 Skin Sens. 1B; H317: >= 9,39 - 100 | |
| 13703-82-7 | 237-235-5 | Magnesium metaborate | 0.3 - < 1 % |
| | | dermal: LD50 = > 2000 mg/kg; oral: LD50 = > 2000 mg/kg Skin Sens. 1B; H317: >= 15 - 100 | |

SECTION 4: First aid measures
4.1. Description of first aid measures
After inhalation

Provide fresh air. When in doubt or if symptoms are observed, get medical advice.

After contact with skin

After contact with skin, wash immediately with plenty of water and soap. Take off immediately all contaminated clothing and wash it before reuse. Medical treatment necessary.

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After contact with eyes

Rinse immediately carefully and thoroughly with eye-bath or water. In case of eye irritation consult an ophthalmologist.

After ingestion

Rinse mouth immediately and drink 1 glass of water.

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

No information available.

4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures**5.1. Extinguishing media****Suitable extinguishing media**

Co-ordinate fire-fighting measures to the fire surroundings.

5.2. Special hazards arising from the substance or mixture

Non-flammable.

5.3. Advice for firefighters

Wear a self-contained breathing apparatus and chemical protective clothing. Full protection suit.

Additional information

Suppress gases/vapours/mists with water spray jet. Collect contaminated fire extinguishing water separately.

Do not allow entering drains or surface water.

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures****General advice**

Avoid contact with skin, eyes and clothes. Do not breathe mist/vapours/spray.

For non-emergency personnel

Provide adequate ventilation. Use personal protection equipment. Remove persons to safety.

For emergency responders

Wear personal protection equipment (refer to section 8).

6.2. Environmental precautions

Do not allow to enter into surface water or drains.

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

Stop leak if safe to do so. Cover drains. Prevent spread over a wide area (e.g. by containment or oil barriers).

For cleaning up

Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents). Treat the recovered material as prescribed in the section on waste disposal.

Other information

Clean contaminated articles and floor according to the environmental legislation.

6.4. Reference to other sections

Safe handling: see section 7

Personal protection equipment: see section 8

Disposal: see section 13

SECTION 7: Handling and storage**7.1. Precautions for safe handling**

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Advice on safe handling

No special measures are necessary.

Advice on protection against fire and explosion

No special fire protection measures are necessary.

Advice on general occupational hygiene

Remove contaminated, saturated clothing immediately. Draw up and observe skin protection programme.

Wash hands and face before breaks and after work and take a shower if necessary. When using do not eat,

drink, smoke, sniff. Remove contaminated, saturated clothing immediately. Draw up and observe skin

protection programme. Wash hands and face before breaks and after work and take a shower if necessary.

When using do not eat, drink, smoke, sniff.

7.2. Conditions for safe storage, including any incompatibilities
Requirements for storage rooms and vessels

Keep container tightly closed.

Hints on joint storage

No special measures are necessary.

7.3. Specific end use(s)

Gear oil

SECTION 8: Exposure controls/personal protection
8.1. Control parameters
Occupational exposure limits

| CAS No | Substance | ppm | mg/m ³ | fib/cm ³ | Category | Origin |
|--------|---|-----|-------------------|---------------------|-----------|--------|
| - | Mineral Oil pure, highly & severely refined (Inhalable) | - | 5 | | TWA (8 h) | |

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DNEL/DMEL values

| CAS No | Substance | Exposure route | Effect | Value |
|--------------------------|---|----------------|----------|------------------------|
| 64742-54-7 | Distillates (petroleum), hydrotreated heavy paraffinic; Baseoil - unspecified | | | |
| Worker DNEL, long-term | | inhalation | local | 5,58 mg/m ³ |
| Worker DNEL, long-term | | dermal | systemic | 0,97 mg/kg bw/day |
| Worker DNEL, long-term | | inhalation | systemic | 2,73 mg/m ³ |
| Consumer DNEL, long-term | | inhalation | local | 1,19 mg/m ³ |
| Consumer DNEL, long-term | | oral | systemic | 0,74 mg/kg bw/day |
| 68937-96-2 | Polysulfides, di-tert-Bu | | | |
| Worker DNEL, long-term | | inhalation | systemic | 3,29 mg/m ³ |
| Worker DNEL, long-term | | dermal | systemic | 4,67 mg/kg bw/day |
| Consumer DNEL, long-term | | inhalation | systemic | 0,58 mg/m ³ |
| Consumer DNEL, long-term | | dermal | systemic | 1,67 mg/kg bw/day |
| Consumer DNEL, long-term | | oral | systemic | 0,167 mg/kg bw/day |
| 72623-86-0 | Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based; Baseoil - unspecified | | | |
| Worker DNEL, long-term | | inhalation | systemic | 2,73 mg/m ³ |
| Worker DNEL, long-term | | inhalation | local | 5,58 mg/m ³ |
| Worker DNEL, long-term | | dermal | systemic | 0,97 mg/kg bw/day |
| Consumer DNEL, long-term | | inhalation | local | 1,19 mg/m ³ |
| Consumer DNEL, long-term | | oral | systemic | 0,74 mg/kg bw/day |
| | Reaction products of bis(2-methylpentan-2-yl)dithiophosphoric acid with phosphorus oxide, propylene oxide and amines, C12-14 alkyl (branched) | | | |
| Worker DNEL, long-term | | inhalation | systemic | 4,28 mg/m ³ |
| Worker DNEL, long-term | | dermal | systemic | 12,5 mg/kg bw/day |
| Consumer DNEL, long-term | | inhalation | systemic | 1,09 mg/m ³ |
| Consumer DNEL, long-term | | dermal | systemic | 6,25 mg/kg bw/day |
| Consumer DNEL, long-term | | oral | systemic | 0,25 mg/kg bw/day |
| 13703-82-7 | Magnesium metaborate | | | |
| Worker DNEL, long-term | | inhalation | systemic | 5,49 mg/m ³ |
| Worker DNEL, long-term | | dermal | systemic | 7,78 mg/kg bw/day |
| Consumer DNEL, long-term | | inhalation | systemic | 0,82 mg/m ³ |
| Consumer DNEL, long-term | | dermal | systemic | 0,278 mg/kg bw/day |
| Consumer DNEL, long-term | | oral | systemic | 0,28 mg/kg bw/day |

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PNEC values

| CAS No | Substance | Value |
|---|---|---------------|
| Environmental compartment | | |
| 64742-54-7 | Distillates (petroleum), hydrotreated heavy paraffinic; Baseoil - unspecified | |
| Secondary poisoning | | 9,33 mg/kg |
| 68937-96-2 | Polysulfides, di-tert-Bu | |
| Freshwater | | 0,00024 mg/l |
| Marine water | | 0,00024 mg/l |
| Freshwater sediment | | 0,94 mg/kg |
| Marine sediment | | 0,094 mg/kg |
| Secondary poisoning | | 6,66 mg/kg |
| Micro-organisms in sewage treatment plants (STP) | | 4,51 mg/l |
| Soil | | 0,0181 mg/kg |
| 72623-86-0 | Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based; Baseoil - unspecified | |
| Secondary poisoning | | 9,33 mg/kg |
| Reaction products of bis(2-methylpentan-2-yl)dithiophosphoric acid with phosphorus oxide, propylene oxide and amines, C12-14 alkyl (branched) | | |
| Freshwater | | 0,0024 mg/l |
| Freshwater (intermittent releases) | | 0,15 mg/l |
| Marine water | | 0,00024 mg/l |
| Freshwater sediment | | 0,0129 mg/kg |
| Marine sediment | | 0,00129 mg/kg |
| Secondary poisoning | | 10 mg/kg |
| Micro-organisms in sewage treatment plants (STP) | | 24,33 mg/l |
| Soil | | 0,00117 mg/kg |
| 13703-82-7 | Magnesium metaborate | |
| Freshwater | | 0,05 mg/l |
| Freshwater (intermittent releases) | | 0,5 mg/l |
| Marine water | | 0,05 mg/l |
| Freshwater sediment | | 1,38 mg/kg |
| Marine sediment | | 1,38 mg/kg |
| Secondary poisoning | | 1,67 mg/kg |
| Micro-organisms in sewage treatment plants (STP) | | 100 mg/l |
| Soil | | 0,247 mg/kg |

8.2. Exposure controls

Individual protection measures, such as personal protective equipment
Eye/face protection

Wear eye/face protection.

Hand protection

When handling with chemical substances, protective gloves must be worn with the CE-label including the four

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control digits. The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

Skin protection

Use of protective clothing.

Respiratory protection

In case of inadequate ventilation wear respiratory protection.

Environmental exposure controls

Avoid release to the environment.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

| | | |
|--|---------------------------|--------------------------|
| Physical state: | Liquid | |
| Colour: | light brown | |
| Odour: | characteristic | |
| | | Test method |
| Melting point/freezing point: | | not determined |
| Boiling point or initial boiling point and boiling range: | | not determined |
| Flammability: | | Non-flammable. |
| Lower explosion limits: | | not determined |
| Upper explosion limits: | | not determined |
| Flash point: | >215 °C | ISO 2592 |
| Auto-ignition temperature: | | not determined |
| Decomposition temperature: | | not determined |
| pH-Value: | | not applicable DIN 51369 |
| Viscosity / kinematic: (at 100 °C) | ~ 15,4 mm ² /s | DIN 51562 |
| Water solubility: (at 20 °C) | | practically insoluble |
| Solubility in other solvents Soluble in hydrocarbons (mineral oil.) | | |
| Partition coefficient n-octanol/water: | | not determined |
| Vapour pressure: (at 20 °C) | <0,1 hPa | calculated. |
| Density (at 15 °C): | ~ 0,861 g/cm ³ | DIN 51757 |
| Relative vapour density: | | not determined |
| Particle characteristics: | | not relevant |

9.2. Other information

Other safety characteristics

| | | |
|-------------|----------|--------------|
| Pour point: | ~ -39 °C | |
| Pourpoint:: | | DIN ISO 3016 |

SECTION 10: Stability and reactivity

10.1. Reactivity

No hazardous reaction when handled and stored according to provisions.

10.2. Chemical stability

The product is stable under storage at normal ambient temperatures.

10.3. Possibility of hazardous reactions

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No known hazardous reactions.

10.4. Conditions to avoid

none

10.5. Incompatible materials

No information available.

10.6. Hazardous decomposition products

No known hazardous decomposition products.

SECTION 11: Toxicological information
11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008
Acute toxicity

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

ATEmix calculated

ATE (oral) 109839 mg/kg; ATE (dermal) > 2000 mg/kg; ATE (inhalation vapour) > 20 mg/l; ATE (inhalation dust/mist) > 5 mg/l

| CAS No | Chemical name | | | | |
|------------|---|-------------------|---------|---------------|----------|
| | Exposure route | Dose | Species | Source | Method |
| 64742-54-7 | Distillates (petroleum), hydrotreated heavy paraffinic; Baseoil - unspecified | | | | |
| | oral | LD50 > 5000 mg/kg | Rat | REACH Dossier | OECD 401 |
| | dermal | LD50 > 5000 mg/kg | Rabbit | REACH Dossier | OECD 402 |
| 72623-86-0 | Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based; Baseoil - unspecified | | | | |
| | oral | LD50 > 5000 mg/kg | Rat | REACH Dossier | OECD 401 |
| | dermal | LD50 > 5000 mg/kg | Rabbit | REACH Dossier | OECD 402 |
| | Reaction products of bis(2-methylpentan-2-yl)dithiophosphoric acid with phosphorus oxide, propylene oxide and amines, C12-14 alkyl (branched) | | | | |
| | oral | LD50 2000 mg/kg | Rat | REACH Dossier | OECD 401 |
| 13703-82-7 | Magnesium metaborate | | | | |
| | oral | LD50 > 2000 mg/kg | Rat | REACH Dossier | OECD 420 |
| | dermal | LD50 > 2000 mg/kg | Rat | REACH Dossier | OECD 402 |

Irritation and corrosivity

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

Sensitising effects

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

Contains Reaction products of bis(2-methylpentan-2-yl)dithiophosphoric acid with phosphorus oxide, propylene oxide and amines, C12-14 alkyl (branched). May produce an allergic reaction.

Carcinogenic/mutagenic/toxic effects for reproduction

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

The product is not classified.

STOT-single exposure

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

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STOT-repeated exposure

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

Aspiration hazard

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

11.2. Information on other hazards
Other information

No information available.

Further information

The mixture is classified as hazardous according to regulation (EC) No 1272/2008 [CLP].

SECTION 12: Ecological information
12.1. Toxicity

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

The product is not: Ecotoxic.

| CAS No | Chemical name | | | | | |
|------------|---|-------------------|-----------|--------------------------------------|----------------------------|----------|
| | Aquatic toxicity | Dose | [h] [d] | Species | Source | Method |
| 64742-54-7 | Distillates (petroleum), hydrotreated heavy paraffinic; Baseoil - unspecified | | | | | |
| | Acute fish toxicity | LL50 > 100 mg/l | 96 h | Pimephales promelas (fathead minnow) | REACH Dossier | OECD 203 |
| | Acute algae toxicity | ErC50 > 100 mg/l | 72 h | Pseudokirchneriella subcapitata | REACH Dossier | OECD 201 |
| | Acute crustacea toxicity | EL50 > 10000 mg/l | 48 h | Daphnia magna (Big water flea) | REACH Dossier | OECD 202 |
| | Fish toxicity | NOEC >= 1000 mg/l | 14 d | Oncorhynchus mykiss (Rainbow trout) | REACH Dossier | QSAR |
| | Crustacea toxicity | NOEC > 10 mg/l | 21 d | Daphnia magna (Big water flea) | REACH Dossier | OECD 211 |
| 68937-96-2 | Polysulfides, di-tert-Bu | | | | | |
| | Acute algae toxicity | ErC50 > 100 mg/l | 72 h | Algae | Pre-supplier/manu facturer | |
| 72623-86-0 | Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based; Baseoil - unspecified | | | | | |
| | Acute fish toxicity | LL50 > 100 mg/l | 96 h | Pimephales promelas (fathead minnow) | REACH Dossier | OECD 203 |
| | Acute algae toxicity | ErC50 > 100 mg/l | 72 h | Pseudokirchneriella subcapitata | REACH Dossier | OECD 201 |
| | Acute crustacea toxicity | EL50 > 10000 mg/l | 48 h | Daphnia magna (Big water flea) | REACH Dossier | OECD 202 |
| | Fish toxicity | NOEC >= 1000 mg/l | 14 d | Oncorhynchus mykiss (Rainbow trout) | REACH Dossier | QSAR |
| | Algae toxicity | NOEC >= 100 mg/l | 3 d | Pseudokirchneriella subcapitata | REACH Dossier | OECD 201 |
| | Crustacea toxicity | NOEC > 10 mg/l | 21 d | Daphnia magna (Big water flea) | REACH Dossier | OECD 211 |
| | Reaction products of bis(2-methylpentan-2-yl)dithiophosphoric acid with phosphorus oxide, propylene oxide and amines, C12-14 alkyl (branched) | | | | | |
| | Acute fish toxicity | LC50 8,5 mg/l | 96 h | Pimephales promelas (fathead minnow) | REACH Dossier | OECD 203 |
| | Acute algae toxicity | ErC50 6,4 mg/l | 96 h | Pseudokirchneriella subcapitata | REACH Dossier | OECD 201 |
| | Crustacea toxicity | NOEC 0,12 mg/l | 21 d | Daphnia magna (Big water flea) | REACH Dossier | OECD 211 |

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12.2. Persistence and degradability

The product has not been tested.

| CAS No | Chemical name | | | |
|------------|---|-------|----|---------------------------|
| | Method | Value | d | Source |
| | Evaluation | | | |
| 64742-54-7 | Distillates (petroleum), hydrotreated heavy paraffinic; Baseoil - unspecified | | | |
| | OECD 301B | 21 % | 28 | REACH Dossier |
| | Not easily bio-degradable (according to OECD-criteria). | | | |
| 68937-96-2 | Polysulfides, di-tert-Bu | | | |
| | OECD 301B | 13 % | 28 | Pre-supplier/manufacturer |
| | Not easily bio-degradable (according to OECD-criteria). | | | |
| 72623-86-0 | Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based; Baseoil - unspecified | | | |
| | OECD 301F | 31 % | 28 | REACH Dossier |
| | Not easily bio-degradable (according to OECD-criteria). | | | |
| | Reaction products of bis(2-methylpentan-2-yl)dithiophosphoric acid with phosphorus oxide, propylene oxide and amines, C12-14 alkyl (branched) | | | |
| | OECD 301B | 7,4 % | 28 | REACH Dossier |
| | Not easily bio-degradable (according to OECD-criteria). | | | |

12.3. Bioaccumulative potential

The product has not been tested.

Partition coefficient n-octanol/water

| CAS No | Chemical name | Log Pow |
|------------|---|---------|
| 68937-96-2 | Polysulfides, di-tert-Bu | 5,6 |
| | Reaction products of bis(2-methylpentan-2-yl)dithiophosphoric acid with phosphorus oxide, propylene oxide and amines, C12-14 alkyl (branched) | < 0,3 |

BCF

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

12.4. Mobility in soil

The product has not been tested.

12.5. Results of PBT and vPvB assessment

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

12.6. Endocrine disrupting properties

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

12.7. Other adverse effects

No information available.

Further information

Avoid release to the environment.

SECTION 13: Disposal considerations
13.1. Waste treatment methods
Disposal recommendations

Do not allow to enter into surface water or drains. Dispose of waste according to applicable legislation.

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List of Wastes Code - residues/unused products

130206 OIL WASTES AND WASTES OF LIQUID FUELS (EXCEPT EDIBLE OILS, AND THOSE IN CHAPTERS 05, 12 AND 19); waste engine, gear and lubricating oils; synthetic engine, gear and lubricating oils; hazardous waste

List of Wastes Code - used product

130206 OIL WASTES AND WASTES OF LIQUID FUELS (EXCEPT EDIBLE OILS, AND THOSE IN CHAPTERS 05, 12 AND 19); waste engine, gear and lubricating oils; synthetic engine, gear and lubricating oils; hazardous waste

Contaminated packaging

Wash with plenty of water. Completely emptied packages can be recycled.

SECTION 14: Transport information

Land transport (ADR/RID)

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

Inland waterways transport (ADN)

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

Marine transport (IMDG)

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

Air transport (ICAO-TI/IATA-DGR)

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

14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: No

14.6. Special precautions for user

No information available.

14.7. Maritime transport in bulk according to IMO instruments

not applicable

SECTION 15: Regulatory information

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

EU regulatory information

Restrictions on use (REACH, annex XVII):

Entry 75

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

National regulatory information

Employment restrictions: Observe restrictions to employment for juveniles according to the 'juvenile work protection guideline' (94/33/EC).

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Water hazard class (D): 2 - obviously hazardous to water
 Skin resorption/Sensitization: Causes allergic hypersensitivity reactions.

15.2. Chemical safety assessment

Chemical safety assessments for substances in this mixture were not carried out.

SECTION 16: Other information

Abbreviations and acronyms

Acute Tox: Acute toxicity
 Asp. Tox: Aspiration hazard
 Eye Irrit: Eye irritation
 Skin Sens: Skin sensitisation
 Aquatic Chronic: Chronic aquatic hazard
 ADR: Accord européen sur le transport des marchandises dangereuses par Route
 (European Agreement concerning the International Carriage of Dangerous Goods by Road)
 IMDG: International Maritime Code for Dangerous Goods
 IATA: International Air Transport Association
 GHS: Globally Harmonized System of Classification and Labelling of Chemicals
 EINECS: European Inventory of Existing Commercial Chemical Substances
 ELINCS: European List of Notified Chemical Substances
 CAS: Chemical Abstracts Service
 LC50: Lethal concentration, 50%
 LD50: Lethal dose, 50%
 CLP: Classification, labelling and Packaging
 REACH: Registration, Evaluation and Authorization of Chemicals
 GHS: Globally Harmonised System of Classification, Labelling and Packaging of Chemicals
 UN: United Nations
 DNEL: Derived No Effect Level
 DMEL: Derived Minimal Effect Level
 PNEC: Predicted No Effect Concentration
 ATE: Acute toxicity estimate
 LL50: Lethal loading, 50%
 EL50: Effect loading, 50%
 EC50: Effective Concentration 50%
 ErC50: Effective Concentration 50%, growth rate
 NOEC: No Observed Effect Concentration
 BCF: Bio-concentration factor
 PBT: persistent, bioaccumulative, toxic
 vPvB: very persistent, very bioaccumulative
 RID: Regulations concerning the international carriage of dangerous goods by rail
 ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
 (Accord européen relatif au transport international des marchandises dangereuses par voies de navigation
 intérieures)
 EmS: Emergency Schedules
 MFAG: Medical First Aid Guide
 ICAO: International Civil Aviation Organization
 MARPOL: International Convention for the Prevention of Marine Pollution from Ships
 IBC: Intermediate Bulk Container
 SVHC: Substance of Very High Concern
 For abbreviations and acronyms, see: ECHA Guidance on information requirements and chemical safety
 assessment, chapter R.20 (Table of terms and abbreviations).

Relevant H and EUH statements (number and full text)

| | |
|------|---|
| H302 | Harmful if swallowed. |
| H304 | May be fatal if swallowed and enters airways. |
| H317 | May cause an allergic skin reaction. |

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| | |
|--------|---|
| H319 | Causes serious eye irritation. |
| H411 | Toxic to aquatic life with long lasting effects. |
| H412 | Harmful to aquatic life with long lasting effects. |
| EUH208 | Contains Reaction products of bis(2-methylpentan-2-yl)dithiophosphoric acid with phosphorus oxide, propylene oxide and amines, C12-14 alkyl (branched). May produce an allergic reaction. |

Further Information

The information is based on the present level of our knowledge. It does not, however, give assurance of product properties and establishes no contract legal rights. The receiver of our product is singularly responsible for adhering to existing laws and regulations. The above data are intended to describe our product in terms of any safety requirements to be observed. They reflect the state of our current knowledge and experience and shall not be construed as warranted characteristics. Any warranty for accuracy and completeness shall be expressly excluded.

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