

Safety Data Sheet

according to Regulation (EC) No 1907/2006

HIGHTEC SYNT RS SAE 5W-40 HC-D

Revision date: 24.10.2023

Product code: 20163

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

1.1. Product identifier

HIGHTEC SYNT RS SAE 5W-40 HC-D

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

Use of the substance/mixture

Motor 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

Eye Irrit. 2; H319
Skin Sens. 1; H317

Full text of hazard statements: see SECTION 16.

2.2. Label elements

Regulation (EC) No 1272/2008

Hazard components for labelling

C14-C16-C18 Alkylphenole
long chain alkyl thio carbamide metal complex

Signal word: Warning

Pictograms:



Hazard statements

H317 May cause an allergic skin reaction.
H319 Causes serious eye irritation.

Precautionary statements

P102 Keep out of reach of children.
P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
P280 Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.
P302+P352 IF ON SKIN: Wash with plenty of Water and soap.
P333+P313 If skin irritation or rash occurs: Get medical advice/attention.
P501 Dispose of contents/container to of the disposal according to local regulations.

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2.3. Other hazards

No information available.

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

| CAS No | Chemical name | | | Quantity |
|------------|---|--------------|------------------|---------------|
| | EC No | Index No | REACH No | |
| | Classification (Regulation (EC) No 1272/2008) | | | |
| 64742-54-7 | Distillates (petroleum), hydrotreated heavy paraffinic; Baseoil - unspecified | | | 30 - < 60 % |
| | 265-157-1 | 649-467-00-8 | 01-2119484627-25 | |
| | Asp. Tox. 1; H304 | | | |
| 72623-87-1 | Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based; Baseoil - unspecified | | | 1 - < 2.5 % |
| | 276-738-4 | 649-483-00-5 | 01-2119474889-13 | |
| | Asp. Tox. 1; H304 | | | |
| 72623-86-0 | Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based; Baseoil - unspecified | | | 1 - < 2.5 % |
| | 276-737-9 | 649-482-00-X | 01-2119474878-16 | |
| | Asp. Tox. 1; H304 | | | |
| 64742-56-9 | Distillates (petroleum), solvent-dewaxed light paraffinic; Baseoil - unspecified | | | 1 - < 2.5 % |
| | 265-159-2 | 649-469-00-9 | 01-2119480132-48 | |
| | Asp. Tox. 1; H304 | | | |
| 28629-66-5 | zinc bis(O,O-diisooctyl) bis(dithiophosphate) | | | 1 - < 2.5 % |
| | 249-109-7 | | 01-2119953278-28 | |
| | Skin Irrit. 2, Eye Dam. 1, Aquatic Chronic 2; H315 H318 H411 | | | |
| 64742-70-7 | Paraffin oils (petroleum), catalytic dewaxed heavy; Baseoil - unspecified | | | 1 - < 2.5 % |
| | 265-174-4 | 649-477-00-2 | 01-2119487080-42 | |
| | Asp. Tox. 1; H304 | | | |
| | C14-C16-C18 Alkylphenole | | | 1 - < 2.5 % |
| | 931-468-2 | | 01-2119498288-19 | |
| | Skin Sens. 1, STOT RE 2; H317 H373 | | | |
| 64742-65-0 | Distillates (petroleum), solvent-dewaxed heavy paraffinic; Baseoil - unspecified | | | 1 - < 2.5 % |
| | 265-169-7 | 649-474-00-6 | 01-2119471299-27 | |
| | Asp. Tox. 1; H304 | | | |
| | long chain alkyl thio carbamide metal complex | | | 0.1 - < 0.3 % |
| | 457-320-2 | | 01-0000019337-66 | |
| | Skin Irrit. 2, Skin Sens. 1, Aquatic Chronic 3; H315 H317 H412 | | | |

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

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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 | 30 - < 60 % |
| | | dermal: LD50 = > 5000 mg/kg; oral: LD50 = > 5000 mg/kg | |
| 72623-87-1 | 276-738-4 | Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based; Baseoil - unspecified | 1 - < 2.5 % |
| | | dermal: LD50 = > 5000 mg/kg; oral: LD50 = > 5000 mg/kg | |
| 72623-86-0 | 276-737-9 | Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based; Baseoil - unspecified | 1 - < 2.5 % |
| | | dermal: LD50 = > 5000 mg/kg; oral: LD50 = > 5000 mg/kg | |
| 64742-56-9 | 265-159-2 | Distillates (petroleum), solvent-dewaxed light paraffinic; Baseoil - unspecified | 1 - < 2.5 % |
| | | dermal: LD50 = > 5000 mg/kg; oral: LD50 = > 5000 mg/kg | |
| 28629-66-5 | 249-109-7 | zinc bis(O,O-diisooctyl) bis(dithiophosphate) | 1 - < 2.5 % |
| | | dermal: LD50 = > 5000 mg/kg; oral: LD50 = ca. 3200 mg/kg Eye Dam. 1; H318: >= 15 - 100 | |
| 64742-70-7 | 265-174-4 | Paraffin oils (petroleum), catalytic dewaxed heavy; Baseoil - unspecified | 1 - < 2.5 % |
| | | dermal: LD50 = > 5000 mg/kg; oral: LD50 = > 5000 mg/kg | |
| | 931-468-2 | C14-C16-C18 Alkylphenole | 1 - < 2.5 % |
| | | dermal: LD50 = > 2000 mg/kg; oral: LD50 = > 2000 mg/kg | |
| 64742-65-0 | 265-169-7 | Distillates (petroleum), solvent-dewaxed heavy paraffinic; Baseoil - unspecified | 1 - < 2.5 % |
| | | dermal: LD50 = > 5000 mg/kg; oral: LD50 = > 5000 mg/kg | |

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.

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.

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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****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.

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)

Motor oil

SECTION 8: Exposure controls/personal protection**8.1. Control parameters**

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DNEL/DMEL values

| CAS No | Substance | | |
|--------------------------|---|----------|------------------------|
| DNEL type | 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 |
| 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 |
| 28629-66-5 | zinc bis(O,O-diisooctyl) bis(dithiophosphate) | | |
| Worker DNEL, long-term | inhalation | systemic | 6,55 mg/m ³ |
| Worker DNEL, long-term | dermal | systemic | 9,29 mg/kg bw/day |
| Consumer DNEL, long-term | inhalation | systemic | 1,61 mg/m ³ |
| Consumer DNEL, long-term | dermal | systemic | 4,65 mg/kg bw/day |
| Consumer DNEL, long-term | oral | systemic | 0,19 mg/kg bw/day |
| | C14-C16-C18 Alkylphenole | | |
| Worker DNEL, long-term | inhalation | systemic | 1,17 mg/m ³ |
| Worker DNEL, long-term | dermal | systemic | 0,3 mg/kg bw/day |
| 64742-65-0 | Distillates (petroleum), solvent-dewaxed heavy paraffinic; Baseoil - unspecified | | |
| Worker DNEL, long-term | inhalation | systemic | 2,73 mg/m 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 |

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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 |
| 72623-86-0 | Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based; Baseoil - unspecified | |
| Secondary poisoning | | 9,33 mg/kg |
| 28629-66-5 | zinc bis(O,O-diisooctyl) bis(dithiophosphate) | |
| Freshwater | | 0,004 mg/l |
| Freshwater (intermittent releases) | | 0,038 mg/l |
| Marine water | | 0,0046 mg/l |
| Freshwater sediment | | 0,144 mg/kg |
| Marine sediment | | 0,014 mg/kg |
| Secondary poisoning | | 8,33 mg/kg |
| Micro-organisms in sewage treatment plants (STP) | | 3 mg/l |
| Soil | | 0,026 mg/kg |
| C14-C16-C18 Alkylphenole | | |
| Freshwater | | 0,1 mg/l |
| Freshwater (intermittent releases) | | 1 mg/l |
| Marine water | | 0,01 mg/l |
| Freshwater sediment | | 4266,16 mg/kg |
| Marine sediment | | 426,62 mg/kg |
| Secondary poisoning | | 3,3 mg/kg |
| Micro-organisms in sewage treatment plants (STP) | | 100 mg/l |
| Soil | | 852,58 mg/kg |
| 64742-65-0 | Distillates (petroleum), solvent-dewaxed heavy paraffinic; Baseoil - unspecified | |
| Secondary poisoning | | 9,33 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 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.

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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: | Not readily combustible. | |
| Lower explosion limits: | | not determined |
| Upper explosion limits: | | not determined |
| Flash point: | >210 °C | DIN ISO 2592 |
| Auto-ignition temperature: | | not determined |
| Decomposition temperature: | | not determined |
| pH-Value: | | not applicable DIN 51369 |
| Viscosity / kinematic: (at 40 °C) | ~ 80 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): | ~ 0,853 g/cm ³ | DIN 51757 |
| Relative vapour density: | | not determined |
| Particle characteristics: | | not relevant |

9.2. Other information
Other safety characteristics

| | | |
|-------------|----------|--------------|
| Pour point: | ~ -33 °C | DIN ISO 3016 |
|-------------|----------|--------------|

SECTION 10: Stability and reactivity
10.1. Reactivity

No hazardous reaction when handled and stored according to provisions.

10.3. Possibility of hazardous reactions

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

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

| CAS No | Chemical name | | | | |
|------------|---|---------------------|---------|---------------------|--|
| | Exposure route | Dose | Species | Source | Method |
| 64742-54-7 | Distillates (petroleum), hydrotreated heavy paraffinic; Baseoil - unspecified | | | | |
| | oral | LD50 > 5000 mg/kg | Rat | REACH Dossier | OECD 401 |
| | dermal | LD50 > 5000 mg/kg | Rabbit | REACH Dossier | OECD 402 |
| 72623-87-1 | Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based; Baseoil - unspecified | | | | |
| | oral | LD50 > 5000 mg/kg | Rat | Study report (1982) | OECD Guideline 401 |
| | dermal | LD50 > 5000 mg/kg | Rabbit | Study report (1982) | OECD Guideline 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 |
| 64742-56-9 | Distillates (petroleum), solvent-dewaxed light paraffinic; Baseoil - unspecified | | | | |
| | oral | LD50 > 5000 mg/kg | Rat | REACH Dossier | OECD 401 |
| | dermal | LD50 > 5000 mg/kg | Rabbit | REACH Dossier | OECD 402 |
| 28629-66-5 | zinc bis(O,O-diisooctyl) bis(dithiophosphate) | | | | |
| | oral | LD50 ca. 3200 mg/kg | Rat | Study report (1978) | other: Section 1500.3 – Federal Hazardou |
| | dermal | LD50 > 5000 mg/kg | Rabbit | Study report (1975) | OECD Guideline 402 |
| 64742-70-7 | Paraffin oils (petroleum), catalytic dewaxed heavy; Baseoil - unspecified | | | | |
| | oral | LD50 > 5000 mg/kg | Rat | REACH Dossier | OECD 401 |
| | dermal | LD50 > 5000 mg/kg | Rabbit | REACH Dossier | OECD 402 |
| | C14-C16-C18 Alkylphenole | | | | |
| | oral | LD50 > 2000 mg/kg | Rat | REACH Dossier | OECD 423 |
| | dermal | LD50 > 2000 mg/kg | Rat | REACH Dossier | OECD 402 |
| 64742-65-0 | Distillates (petroleum), solvent-dewaxed heavy paraffinic; Baseoil - unspecified | | | | |
| | oral | LD50 > 5000 mg/kg | Rat | REACH Dossier | OECD 401 |
| | dermal | LD50 > 5000 mg/kg | Rabbit | REACH Dossier | OECD 402 |

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Irritation and corrosivity

Causes serious eye irritation.

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

Sensitising effects

May cause an allergic skin reaction. (C14-C16-C18 Alkylphenole; long chain alkyl thio carbamide metal complex)

Carcinogenic/mutagenic/toxic effects for reproduction

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

STOT-single exposure

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

STOT-repeated exposure

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

Frequently or prolonged contact with skin may cause dermal irritation.

Aspiration hazard

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

Additional information on tests

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

11.2. Information on other hazards**Other information**

No information available.

SECTION 12: Ecological information**12.1. Toxicity**

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

The product is not: Ecotoxic.

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| 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 |
| 72623-87-1 | Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based; Baseoil - unspecified | | | | | |
| | Acute fish toxicity | LL50 > 100 mg/l | 96 h | Pimephales promelas | Study report (1995) | OECD Guideline 203 |
| | Fish toxicity | NOEC >= 1000 mg/l | 14 d | Oncorhynchus mykiss | CONCAWE, Brussels, Belgium (2010) | The aquatic toxicity was estimated by a |
| 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 |
| 64742-56-9 | Distillates (petroleum), solvent-dewaxed light 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 > 1000 mg/l | 21 d | Daphnia magna (Big water flea) | REACH Dossier | OECD 211 |
| 28629-66-5 | zinc bis(O,O-diisooctyl) bis(dithiophosphate) | | | | | |
| | Acute fish toxicity | LL50 3,8 mg/l | 96 h | Oncorhynchus mykiss | Study report (2001) | OECD Guideline 203 |
| | Acute algae toxicity | ErC50 410 mg/l | 72 h | Desmodesmus subspicatus | Study report (2004) | OECD Guideline 201 |
| | Acute crustacea toxicity | EL50 510 mg/l | 48 h | Daphnia magna | Study report (2001) | OECD Guideline 202 |
| | Crustacea toxicity | NOEC 0,4 mg/l | 21 d | Daphnia magna | Study report (2010) | OECD Guideline 211 |

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| | | | | | | | |
|------------|--|--------------|----------|------|---|---------------------|--------------------|
| | Acute bacteria toxicity | EC50 () | 300 mg/l | 3 h | activated sludge of a predominantly domestic sewage | Study report (1994) | OECD Guideline 209 |
| 64742-70-7 | Paraffin oils (petroleum), catalytic dewaxed heavy; Baseoil - unspecified | | | | | | |
| | Acute fish toxicity | LL50 mg/l | > 100 | 96 h | Pimephales promelas (fathead minnow) | REACH Dossier | OECD 203 |
| | Fish toxicity | NOEC mg/l | >= 1000 | 14 d | Oncorhynchus mykiss (Rainbow trout) | REACH Dossier | |
| 64742-65-0 | Distillates (petroleum), solvent-dewaxed heavy paraffinic; Baseoil - unspecified | | | | | | |
| | Acute fish toxicity | LL50 mg/l | > 100 | 96 h | Pimephales promelas (fathead minnow) | REACH Dossier | OECD 203 |
| | Acute crustacea toxicity | EL50 mg/l | > 10000 | 48 h | Daphnia pulex (water flea) | REACH Dossier | OECD 202 |
| | Fish toxicity | NOEC mg/l | >= 1000 | 14 d | Oncorhynchus mykiss (Rainbow trout) | REACH Dossier | QSAR |
| | Algae toxicity | NOEC mg/l | >= 100 | 3 d | Pseudokirchneriella subcapitata | REACH Dossier | OECD 201 |

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). | | | |
| 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). | | | |
| 64742-56-9 | Distillates (petroleum), solvent-dewaxed light paraffinic; Baseoil - unspecified | | | |
| | OECD 301B | 31 % | 28 | REACH Dossier |
| | Not easily bio-degradable (according to OECD-criteria). | | | |
| 64742-65-0 | Distillates (petroleum), solvent-dewaxed heavy paraffinic; Baseoil - unspecified | | | |
| | OECD 301F | 31 % | 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 |
|------------|---|------------|
| 28629-66-5 | zinc bis(O,O-diisooctyl) bis(dithiophosphate) | 3,59 |
| | C14-C16-C18 Alkylphenole | > 16000000 |

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.

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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.

List of Wastes Code - residues/unused products

130205 OIL WASTES AND WASTES OF LIQUID FUELS (EXCEPT EDIBLE OILS, AND THOSE IN CHAPTERS 05, 12 AND 19); waste engine, gear and lubricating oils; mineral-based non-chlorinated engine, gear and lubricating oils; hazardous waste

List of Wastes Code - used product

130205 OIL WASTES AND WASTES OF LIQUID FUELS (EXCEPT EDIBLE OILS, AND THOSE IN CHAPTERS 05, 12 AND 19); waste engine, gear and lubricating oils; mineral-based non-chlorinated 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 dangerous good in sense of this transport regulation.

14.7. Maritime transport in bulk according to IMO instruments

No dangerous good in sense of this transport regulation.

SECTION 15: Regulatory information

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

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EU regulatory information

Restrictions on use (REACH, annex XVII):

Entry 3, Entry 75

Information according to Directive
2012/18/EU (SEVESO III):

Not subject to 2012/18/EU (SEVESO III)

Additional information

According to EC directives or the corresponding national regulations the product does not have to be labelled.

National regulatory information

Employment restrictions:

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

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**Changes**

This data sheet contains changes from the previous version in section(s): 1,2,9.

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Abbreviations and acronyms

Asp. Tox: Aspiration hazard
 Skin Irrit: Skin irritation
 Eye Dam: Eye damage
 Eye Irrit: Eye irritation
 Skin Sens: Skin sensitisation
 STOT RE: Specific target organ toxicity - repeated exposure
 Aquatic Chronic: Chronic aquatic hazard
 ADR: Accord européen sur le transport des marchandises dangereuses par Route
 (European Agreement concerning the International Carriage of Dangerous Goods by Road)
 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).

Classification for mixtures and used evaluation method according to Regulation (EC) No 1272/2008 [CLP]

| Classification | Classification procedure |
|--------------------|--------------------------|
| Eye Irrit. 2; H319 | Calculation method |
| Skin Sens. 1; H317 | Calculation method |

Relevant H and EUH statements (number and full text)

H304 May be fatal if swallowed and enters airways.
 H315 Causes skin irritation.
 H317 May cause an allergic skin reaction.

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| | |
|------|--|
| H318 | Causes serious eye damage. |
| H319 | Causes serious eye irritation. |
| H373 | May cause damage to organs through prolonged or repeated exposure. |
| H411 | Toxic to aquatic life with long lasting effects. |
| H412 | Harmful to aquatic life with long lasting effects. |

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