

## Safety Data Sheet

according to Regulation (EC) No 1907/2006

### HIGHTEC MULTI FORMULA SAE 5W-50

Revision date: 06.04.2023

Product code: 20148

Page 1 of 14

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

##### 1.1. Product identifier

HIGHTEC MULTI FORMULA SAE 5W-50

##### 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

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

Signal word: Warning

###### Pictograms:



###### Hazard statements

H317 May cause an allergic skin reaction.

###### Precautionary statements

|           |   |
|-----------|---|
| P261      | Avoid breathing dust/fume/gas/mist/vapours/spray.   |
| P272      | Contaminated work clothing should not be allowed out of the workplace.                        |
| 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.                              |
| P362+P364 | Take off contaminated clothing and wash it before reuse.                                      |
| P501      | Dispose of contents/container to of the disposal according to local regulations.              |

##### 2.3. Other hazards

No information available.

**Safety Data Sheet**

according to Regulation (EC) No 1907/2006

**HIGHTEC MULTI FORMULA SAE 5W-50**

Revision date: 06.04.2023

Product code: 20148

Page 2 of 14

**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  |              |                  |             |
| 68649-12-7  | 1-Decene, tetramer, mixed with 1-decene trimer, hydrogenated                     |              |                  | 1 - < 2.5 % |
|             |  |              | 01-2119527646-33 |             |
|             | Asp. Tox. 1; H304  |              |                  |             |
| 163149-28-8 | 1-Dodecene, polymer with 1-decene and 1-octene, hydrogenated                     |              |                  | 1 - < 2.5 % |
|             | 605-315-2  |              | 01-2119543695-30 |             |
|             | Asp. Tox. 1; H304  |              |                  |             |
| 151006-60-9 | 1-Dodecene, polymer with 1-decene, hydrogenated                                  |              |                  | 1 - < 2.5 % |
|             | 604-767-8  |              | 01-2119523580-47 |             |
|             | 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  |              |                  |             |
| 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  |              |                  |             |
| 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   |              |                  |             |

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

**Safety Data Sheet**

according to Regulation (EC) No 1907/2006

**HIGHTEC MULTI FORMULA SAE 5W-50**

Revision date: 06.04.2023

Product code: 20148

Page 3 of 14

**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                           |             |
| 68649-12-7 |           | 1-Decene, tetramer, mixed with 1-decene trimer, hydrogenated                     | 1 - < 2.5 % |
|            |           | dermal: LD50 = > 2000 mg/kg; oral: LD50 = > 5000 mg/kg                           |             |
| 64742-56-9 | 265-159-2 | Distillates (petroleum), solvent-dewaxed light paraffinic; Baseoil - unspecified | 1 - < 2.5 % |
|            |           | dermal: LD50 = > 5000 mg/kg; oral: LD50 = > 5000 mg/kg                           |             |
| 64742-65-0 | 265-169-7 | Distillates (petroleum), solvent-dewaxed heavy paraffinic; Baseoil - unspecified | 1 - < 2.5 % |
|            |           | dermal: LD50 = > 5000 mg/kg; oral: LD50 = > 5000 mg/kg                           |             |
| 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                           |             |

**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. Do not allow entering drains or surface water.

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

**HIGHTEC MULTI FORMULA SAE 5W-50**

Revision date: 06.04.2023

Product code: 20148

Page 4 of 14

**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**

**Safety Data Sheet**

according to Regulation (EC) No 1907/2006

**HIGHTEC MULTI FORMULA SAE 5W-50**

Revision date: 06.04.2023

Product code: 20148

Page 5 of 14

**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 <sup>3</sup> |
| Worker DNEL, long-term   | dermal   | systemic | 0,97 mg/kg bw/day      |
| Worker DNEL, long-term   | inhalation   | systemic | 2,73 mg/m <sup>3</sup> |
| Consumer DNEL, long-term | inhalation   | local    | 1,19 mg/m <sup>3</sup> |
| Consumer DNEL, long-term | oral   | systemic | 0,74 mg/kg bw/day      |
| 64742-65-0               | Distillates (petroleum), solvent-dewaxed heavy paraffinic; Baseoil - unspecified |          |                        |
| Worker DNEL, long-term   | inhalation   | systemic | 2,73 mg/m <sup>3</sup> |
| Worker DNEL, long-term   | inhalation   | local    | 5,58 mg/m <sup>3</sup> |
| Worker DNEL, long-term   | dermal   | systemic | 0,97 mg/kg bw/day      |
| Consumer DNEL, long-term | inhalation   | local    | 1,19 mg/m <sup>3</sup> |
| Consumer DNEL, long-term | oral   | systemic | 0,74 mg/kg bw/day      |
|                          | C14-C16-C18 Alkylphenole   |          |                        |
| Worker DNEL, long-term   | inhalation   | systemic | 1,17 mg/m <sup>3</sup> |
| Worker DNEL, long-term   | dermal   | systemic | 0,3 mg/kg bw/day       |

**PNEC values**

| CAS No   | Substance  |  |
|--|--|--|
| Environmental compartment                        | Value  |  |
| 64742-54-7                                       | Distillates (petroleum), hydrotreated heavy paraffinic; Baseoil - unspecified    |  |
| Secondary poisoning                              | 9,33 mg/kg   |  |
| 64742-65-0                                       | Distillates (petroleum), solvent-dewaxed heavy paraffinic; Baseoil - unspecified |  |
| Secondary poisoning                              | 9,33 mg/kg   |  |
|  | 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   |  |

**8.2. Exposure controls**

**Individual protection measures, such as personal protective equipment**

## Safety Data Sheet

according to Regulation (EC) No 1907/2006

### HIGHTEC MULTI FORMULA SAE 5W-50

Revision date: 06.04.2023

Product code: 20148

Page 6 of 14

#### 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.

#### 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   |                           |
| 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:  |  | >200 °C                   |
| Auto-ignition temperature:                                |  | not determined            |
| Decomposition temperature:                                |  | not determined            |
| pH-Value:   |  | not determined            |
| Viscosity / kinematic:<br>(at 100 °C)                     |  | ~ 18,8 mm <sup>2</sup> /s |
| Water solubility:   | The study does not need to be conducted because the substance is known to be insoluble in water. |                           |
| Solubility in other solvents                              | not determined   |                           |
| Partition coefficient n-octanol/water:                    |  | not determined            |
| Vapour pressure:  |  | not determined            |
| Density:  |  | ~ 0,845 g/cm <sup>3</sup> |
| Relative vapour density:                                  |  | not determined            |
| Particle characteristics:                                 |  | not relevant              |

### 9.2. Other information

#### Other safety characteristics

Pour point: ~ -36 °C

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

No hazardous reaction when handled and stored according to provisions.

### 10.2. Chemical stability

**Safety Data Sheet**

according to Regulation (EC) No 1907/2006

**HIGHTEC MULTI FORMULA SAE 5W-50**

Revision date: 06.04.2023

Product code: 20148

Page 7 of 14

The product is stable under storage at normal ambient temperatures.

**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****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

**Safety Data Sheet**

according to Regulation (EC) No 1907/2006

**HIGHTEC MULTI FORMULA SAE 5W-50**

Revision date: 06.04.2023

Product code: 20148

Page 8 of 14

| 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           |
| 68649-12-7 | 1-Decene, tetramer, mixed with 1-decene trimer, hydrogenated                     |                   |         |                     |                    |
|            | oral   | LD50 > 5000 mg/kg | Rat     | Study report (1994) | OECD Guideline 401 |
|            | dermal   | LD50 > 2000 mg/kg | Rat     | Study report (1995) | OECD Guideline 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           |
| 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           |
| 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           |

**Irritation and corrosivity**

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

**Sensitising effects**

May cause an allergic skin reaction. (C14-C16-C18 Alkylphenole)

**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**



**Safety Data Sheet**

according to Regulation (EC) No 1907/2006

**HIGHTEC MULTI FORMULA SAE 5W-50**

Revision date: 06.04.2023

Product code: 20148

Page 9 of 14

**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.

**Safety Data Sheet**

according to Regulation (EC) No 1907/2006

**HIGHTEC MULTI FORMULA SAE 5W-50**

Revision date: 06.04.2023

Product code: 20148

Page 10 of 14

| 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           |
| 68649-12-7 | 1-Decene, tetramer, mixed with 1-decene trimer, hydrogenated                     |                   |           |                                      |                     |                    |
|            | Acute fish toxicity  | LL50 > 1000 mg/l  | 96 h      | Oncorhynchus mykiss                  | Study report (1995) | OECD Guideline 203 |
|            | Acute algae toxicity   | ErC50 > 1000 mg/l | 96 h      | Raphidocelis subcapitata             | Study report (1995) | OECD Guideline 201 |
|            | Acute crustacea toxicity   | EL50 > 1000 mg/l  | 48 h      | Daphnia magna                        | Study report (1995) | OECD Guideline 202 |
| 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           |
| 64742-65-0 | Distillates (petroleum), solvent-dewaxed heavy paraffinic; Baseoil - unspecified |                   |           |                                      |                     |                    |
|            | Acute fish toxicity  | LL50 > 100 mg/l   | 96 h      | Pimephales promelas (fathead minnow) | REACH Dossier       | OECD 203           |
|            | Acute crustacea toxicity   | EL50 > 10000 mg/l | 48 h      | Daphnia pulex (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           |
| 64742-70-7 | Paraffin oils (petroleum), catalytic dewaxed heavy; Baseoil - unspecified        |                   |           |                                      |                     |                    |
|            | Acute fish toxicity  | LL50 > 100 mg/l   | 96 h      | Pimephales promelas (fathead minnow) | REACH Dossier       | OECD 203           |
|            | Fish toxicity  | NOEC >= 1000 mg/l | 14 d      | Oncorhynchus mykiss (Rainbow trout)  | REACH Dossier       |                    |

**12.2. Persistence and degradability**

The product has not been tested.

**Safety Data Sheet**

according to Regulation (EC) No 1907/2006

**HIGHTEC MULTI FORMULA SAE 5W-50**

Revision date: 06.04.2023

Product code: 20148

Page 11 of 14

| 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).                          |       |    |               |
| 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    |
|------------|--|------------|
| 68649-12-7 | 1-Decene, tetramer, mixed with 1-decene trimer, hydrogenated | > 6,5      |
|            | 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.

**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)**

## Safety Data Sheet

according to Regulation (EC) No 1907/2006

### HIGHTEC MULTI FORMULA SAE 5W-50

Revision date: 06.04.2023

Product code: 20148

Page 12 of 14

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

#### Inland waterways transport (ADN)

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

#### Marine transport (IMDG)

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

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

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

##### 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)

##### 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): 1 - slightly 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): 1,9,12,16.

## Safety Data Sheet

according to Regulation (EC) No 1907/2006

### HIGHTEC MULTI FORMULA SAE 5W-50

Revision date: 06.04.2023

Product code: 20148

Page 13 of 14

#### Abbreviations and acronyms

Asp. Tox: Aspiration hazard  
 Skin Sens: Skin sensitisation  
 STOT RE: Specific target organ toxicity - repeated exposure  
 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 |
|--------------------|--------------------------|
| Skin Sens. 1; H317 | Calculation method       |

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

H304                      May be fatal if swallowed and enters airways.  
 H317                      May cause an allergic skin reaction.  
 H373                      May cause damage to organs through prolonged or repeated exposure.

#### 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.

**Safety Data Sheet**

according to Regulation (EC) No 1907/2006

**HIGHTEC MULTI FORMULA SAE 5W-50**

Revision date: 06.04.2023

Product code: 20148

Page 14 of 14

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