

**Safety Data Sheet**

according to Regulation (EC) No 1907/2006

**HIGHTEC SUNLUB HC 15**

Revision date: 06.04.2023

Product code: 49633

Page 1 of 8

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

HIGHTEC SUNLUB HC 15

**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**

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

**2.2. Label elements**
**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)                        |          |                  |               |
| 68411-46-1 | Benzolamine, N-Phenyl-, reaction product with 2,4,4-Trimethylpentene |          |                  | 0.1 - < 0.3 % |
|            | 270-128-1  |          | 01-2119491299-23 |               |
|            | Repr. 2; H361f   |          |                  |               |

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               |  |               |
| 68411-46-1 | 270-128-1  | Benzolamine, N-Phenyl-, reaction product with 2,4,4-Trimethylpentene | 0.1 - < 0.3 % |
|            | dermal: LD50 = > 2000 mg/kg; oral: LD50 = > 5000 mg/kg |  |               |

**SECTION 4: First aid measures**
**4.1. Description of first aid measures**

**Safety Data Sheet**

according to Regulation (EC) No 1907/2006

**HIGHTEC SUNLUB HC 15**

Revision date: 06.04.2023

Product code: 49633

Page 2 of 8

**After inhalation**

Provide fresh air.

**After contact with skin**

Wash with plenty of water. Take off contaminated clothing and wash it before reuse.

**After contact with eyes**

Rinse immediately carefully and thoroughly with eye-bath or water.

**After ingestion**

Observe risk of aspiration if vomiting occurs. Rinse mouth immediately and drink plenty 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**

In case of fire: Wear self-contained breathing apparatus.

**Additional information**

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.

**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**

**Safety Data Sheet**

according to Regulation (EC) No 1907/2006

**HIGHTEC SUNLUB HC 15**

Revision date: 06.04.2023

Product code: 49633

Page 3 of 8

**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**

Take off contaminated clothing. Wash hands before breaks and after work. When using do not eat or drink.

**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**
**DNEL/DMEL values**

| CAS No                   | Substance  | Exposure route | Effect   | Value                  |
|--------------------------|--|----------------|----------|------------------------|
| 68411-46-1               | Benzolamine, N-Phenyl-, reaction product with 2,4,4-Trimethylpentene |                |          |                        |
| Worker DNEL, long-term   |  | inhalation     | systemic | 0,31 mg/m <sup>3</sup> |
| Worker DNEL, long-term   |  | dermal         | systemic | 0,44 mg/kg bw/day      |
| Consumer DNEL, long-term |  | inhalation     | systemic | 0,08 mg/m <sup>3</sup> |
| Consumer DNEL, long-term |  | dermal         | systemic | 0,22 mg/kg bw/day      |
| Consumer DNEL, long-term |  | oral           | systemic | 0,05 mg/kg bw/day      |

**PNEC values**

| CAS No   | Substance  | Value       |
|--|--|-------------|
| 68411-46-1                                       | Benzolamine, N-Phenyl-, reaction product with 2,4,4-Trimethylpentene |             |
| Freshwater                                       |  | 0,034 mg/l  |
| Freshwater (intermittent releases)               |  | 0,51 mg/l   |
| Marine water                                     |  | 0,003 mg/l  |
| Freshwater sediment                              |  | 0,446 mg/kg |
| Marine sediment                                  |  | 0,045 mg/kg |
| Secondary poisoning                              |  | 0,833 mg/kg |
| Micro-organisms in sewage treatment plants (STP) |  | 10 mg/l     |
| Soil   |  | 17,6 mg/kg  |

**8.2. Exposure controls**

### HIGHTEC SUNLUB HC 15

Revision date: 06.04.2023

Product code: 49633

Page 4 of 8



#### 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

Wear suitable 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:   | yellow   |                          |
| 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 40 °C)                      |  | ~ 15 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 (at 15 °C):                                       |  | ~ 0,9 g/cm <sup>3</sup>  |
| Relative vapour density:                                  |  | not determined           |
| Particle characteristics:                                 |  | not relevant             |

### 9.2. Other information

No information available.

**Safety Data Sheet**

according to Regulation (EC) No 1907/2006

**HIGHTEC SUNLUB HC 15**

Revision date: 06.04.2023

Product code: 49633

Page 5 of 8

**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**

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

| CAS No     | Chemical name  |                   |         |                     |                    |
|------------|--|-------------------|---------|---------------------|--------------------|
|            | Exposure route   | Dose              | Species | Source              | Method             |
| 68411-46-1 | Benzolamine, N-Phenyl-, reaction product with 2,4,4-Trimethylpentene |                   |         |                     |                    |
|            | oral   | LD50 > 5000 mg/kg | Rat     | Study report (1982) | OECD Guideline 401 |
|            | dermal   | LD50 > 2000 mg/kg | Rat     | Study report (1988) | OECD Guideline 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.

**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.

**Aspiration hazard**

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

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

No information available.

**SECTION 12: Ecological information**

**Safety Data Sheet**

according to Regulation (EC) No 1907/2006

**HIGHTEC SUNLUB HC 15**

Revision date: 06.04.2023

Product code: 49633

Page 6 of 8

**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             |
| 68411-46-1 | Benzolamine, N-Phenyl-, reaction product with 2,4,4-Trimethylpentene |                  |           |                         |                     |                    |
|            | Acute fish toxicity  | LC50 > 100 mg/l  | 96 h      | Danio rerio             | Study report (1988) | OECD Guideline 203 |
|            | Acute algae toxicity   | ErC50 > 100 mg/l | 72 h      | Desmodesmus subspicatus | Study report (2006) | OECD Guideline 201 |
|            | Acute crustacea toxicity   | EC50 51 mg/l     | 48 h      | Daphnia magna           | Study report (2004) | OECD Guideline 202 |
|            | Fish toxicity  | NOEC 10 mg/l     | 34 d      | Danio rerio             | Study report (2020) | OECD Guideline 210 |
|            | Crustacea toxicity   | NOEC 4,45 mg/l   | 21 d      | Daphnia magna           | Study report (2020) | OECD Guideline 211 |

**12.2. Persistence and degradability**

The product has not been tested.

| CAS No     | Chemical name  |       |    |        |
|------------|--|-------|----|--------|
|            | Method   | Value | d  | Source |
|            | Evaluation   |       |    |        |
| 68411-46-1 | Benzolamine, N-Phenyl-, reaction product with 2,4,4-Trimethylpentene |       |    |        |
|            | OECD 301B  | 1 %   | 28 |        |
|            | 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 |
|------------|--|---------|
| 68411-46-1 | Benzolamine, N-Phenyl-, reaction product with 2,4,4-Trimethylpentene | 7,11    |

**BCF**

| CAS No     | Chemical name  | BCF | Species         | Source              |
|------------|--|-----|-----------------|---------------------|
| 68411-46-1 | Benzolamine, N-Phenyl-, reaction product with 2,4,4-Trimethylpentene | 411 | Cyprinus carpio | Study report (2000) |

**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**

Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil.

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

## Safety Data Sheet

according to Regulation (EC) No 1907/2006

### HIGHTEC SUNLUB HC 15

Revision date: 06.04.2023

Product code: 49633

Page 7 of 8

#### Disposal recommendations

Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil. 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

Non-contaminated packages may be recycled. Handle contaminated packages in the same way as the substance itself.

## 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

##### EU regulatory information

Restrictions on use (REACH, annex XVII):

Entry 75

**Safety Data Sheet**

according to Regulation (EC) No 1907/2006

**HIGHTEC SUNLUB HC 15**

Revision date: 06.04.2023

Product code: 49633

Page 8 of 8

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

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

**National regulatory information**

Water hazard class (D):

2 - obviously hazardous to water

**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): 9,12.

**Abbreviations and acronyms**

Repr: Reproductive toxicity

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%

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

H361f Suspected of damaging fertility.

**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.)*