

Safety Data Sheet

according to Regulation (EC) No 1907/2006

HIGHTEC HIGH PERFORMANCE GEAR OIL SAE 90

Revision date: 11.01.2018

Page 1 of 7

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

HIGHTEC HIGH PERFORMANCE GEAR OIL SAE 90

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 MINERALOELWERK GMBH	
Street:	Langgewann 101	
Place:	D-67547 Worms	
Telephone:	+49 (0)6241 5906-0	Telefax: +49 (0)6241 5906-999
e-mail:	info@rowe-mineraloel.com	
Internet:	www.rowe-mineraloel.com	
Responsible Department:	Kundenservice	

1.4. Emergency telephone number: Giftnotruf Mainz (DE; E) +49 (0)6131-19240**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 Long-chain alkyl amine. May produce an allergic reaction.

SECTION 3: Composition/information on ingredients**3.2. Mixtures****SECTION 4: First aid measures****4.1. Description of first aid measures****General information**

Self-protection of the first aider

Change contaminated clothing.

Do not put any product-impregnated cleaning rags into your trouser pockets.

After inhalation

In case of inhalation of aerosols/spray mist/splash spots: Consult physician. Provide fresh air.

Avoid breathing dust/fume/gas/mist/vapours/spray. IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.

After contact with skin

After contact with skin, take off immediately all contaminated clothing, and wash immediately with plenty of water and soap.

If skin irritation or rash occurs: Get medical advice/attention.

After contact with eyes

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

In case of troubles or persistent symptoms, consult an ophthalmologist.

according to Regulation (EC) No 1907/2006

HIGHTEC HIGH PERFORMANCE GEAR OIL SAE 90

Revision date: 11.01.2018

Page 2 of 7

After ingestion

Rinse mouth immediately and drink plenty of water.

If swallowed, do not induce vomiting; seek medical advice immediately and show this container or label.

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

No data available

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

Caution if victim vomits: Risk of aspiration!

Aspiration hazard: Call a physician immediately.

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

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

Carbon dioxide (CO₂). Dry extinguishing powder. Foam.**Unsuitable extinguishing media**

High power water jet.

5.2. Special hazards arising from the substance or mixture

Special exposure hazards arising from the substance itself, combustion products, resulting gases:

Carbon dioxide (CO₂). Carbon monoxide Sulphur oxides. Phosphorus oxides. Hydrogen sulphide (H₂S).**5.3. Advice for firefighters**

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

In case of fire and/or explosion do not breathe fumes.

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.

Dispose of waste according to applicable legislation.

Use water spray jet to protect personnel and to cool endangered containers.

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

Special danger of slipping by leaking/spilling product.

Wear suitable protective clothing.

Wear breathing apparatus if exposed to vapours/dusts/aerosols.

6.2. Environmental precautions

Do not allow to enter into surface water or drains.

Prevent spread over a wide area (e.g. by containment or oil barriers).

6.3. Methods and material for containment and cleaning up

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

6.4. Reference to other sections

In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.

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

Protect skin by using skin protective cream. Wash hands before breaks and after work.

Conditions to avoid: aerosol or mist generation.

Advice on protection against fire and explosion

No special measures are necessary.

according to Regulation (EC) No 1907/2006

HIGHTEC HIGH PERFORMANCE GEAR OIL SAE 90

Revision date: 11.01.2018

Page 3 of 7

When using do not smoke.

Fire class: B (DIN-/EN-Norms: EN2)

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep container tightly closed.

Keep away from heat. Keep/Store only in original container.

Hints on joint storage

Do not store together with: Food and fodder, Oxidizing agents.

Further information on storage conditions

If product enters soil, it will be mobile and may contaminate groundwater. Keep away from heat.

7.3. Specific end use(s)

Gear oil

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.2. Exposure controls

Protective and hygiene measures

When using do not eat, drink or smoke.

Change contaminated clothing.

Wash hands before breaks and after work.

Protect skin by using skin protective cream.

Keep away from food, drink and animal feedingstuffs.

Do not breathe vapour.

Eye/face protection

In fine dispersion/spraying/misting: Wear protective gloves/protective clothing.

Hand protection

Wear suitable gloves.

Skin protection

In fine dispersion/spraying/misting: Wear protective gloves/protective clothing.

Respiratory protection

Wear breathing apparatus if exposed to vapours/dusts/aerosols.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state:	liquid
Colour:	green
Odour:	characteristic

	Test method
pH-Value:	not applicable DIN 51369

Changes in the physical state

Pour point:	ISO 3016
Pourpoint::	~-18 °C DIN ISO 3016
Flash point:	>205 °C ISO 2592
Ignition temperature:	No data available
Vapour pressure: (at 20 °C)	<0,1 hPa calculated.
Density (at 15 °C):	~0,892 g/cm ³ DIN 51757

Safety Data Sheet

according to Regulation (EC) No 1907/2006

HIGHTEC HIGH PERFORMANCE GEAR OIL SAE 90

Revision date: 11.01.2018

Page 4 of 7

Water solubility: practically insoluble
(at 20 °C)

Solubility in other solvents

Soluble in hydrocarbons (mineral oil.)

Viscosity / kinematic: 14,5-15,7 mm²/s DIN 51562
(at 100 °C)

Solvent separation test: No data available

Solvent content: none Solvents

9.2. Other information

none

SECTION 10: Stability and reactivity
10.1. Reactivity

No data available

10.2. Chemical stability

No thermal decomposition if properly stored / handled /transported.
Onset of decomposition at elevated temperatures (>65°C)

10.3. Possibility of hazardous reactions

possible with strong oxidizing agents.
This product is stable under normal conditions. Hazardous reactions are unlikely.

10.4. Conditions to avoid

No data available

10.5. Incompatible materials

Oxidizing agents, strong.

10.6. Hazardous decomposition products

none

Further information

No thermal decomposition if properly stored / handled /transported.

SECTION 11: Toxicological information
11.1. Information on toxicological effects
Acute toxicity

No data available.
Irritant effect on the respiratory tract: Do not breathe gas/vapour.

Irritation and corrosivity

Irritant effect on the skin: none
Frequent and prolonged eye contact may cause eye irritation.

Sensitising effects

Due to the very low concentration of sensitizing substances, the finished product can be assumed not to be skin-sensitizing.

Carcinogenic/mutagenic/toxic effects for reproduction

The product is not classified.

STOT-repeated exposure

Frequently or prolonged contact with skin may cause dermal irritation.

Specific effects in experiment on an animal

No data available.

Safety Data Sheet

according to Regulation (EC) No 1907/2006

HIGHTEC HIGH PERFORMANCE GEAR OIL SAE 90

Revision date: 11.01.2018

Page 5 of 7

Additional information on tests

The classification was carried out according to the calculation method of the Preparations Directive (1999/45/EC).

Practical experience
Observations relevant to classification

Has de-greasing effect on the skin.

Other observations

No special hazards known when the product is properly used and the precautionary measures indicated are observed.

SECTION 12: Ecological information
12.1. Toxicity

Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

12.2. Persistence and degradability

Due to its low solubility in water the product is almost completely mechanically separated in biological sewage plants. Poorly eliminated from water.

Not easily bio-degradable (according to OECD-criteria). Product is partially biodegradable. Significant residues remain.

Post-use oils must not be discharged into the sewer system or into surface waters nor must they be allowed to enter the soil.

12.3. Bioaccumulative potential

No data available.

Do not allow uncontrolled discharge of product into the environment.

12.4. Mobility in soil

No data available.

12.5. Results of PBT and vPvB assessment

No data available

12.6. Other adverse effects

Aquatic organisms: No data available.

Effects in sewage plants No data available.

No data available.

Further information

Do not allow to enter into surface water or drains. The classification was carried out according to the calculation method of the Preparations Directive (1999/45/EC).

SECTION 13: Disposal considerations
13.1. Waste treatment methods
Advice on disposal

The waste codes stated are recommendations based on the expected use of the substance and may be re-assigned to other waste codes by the user, if applicable.

Dispose of waste according to applicable legislation.

Do not empty into drains, dispose of this material and its container at hazardous or special waste collection point.

Waste disposal number of waste from 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

Waste disposal number of used product

Safety Data Sheet

according to Regulation (EC) No 1907/2006

HIGHTEC HIGH PERFORMANCE GEAR OIL SAE 90

Revision date: 11.01.2018

Page 6 of 7

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

Waste disposal number of contaminated packaging

150110 WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED; packaging (including separately collected municipal packaging waste); packaging containing residues of or contaminated by hazardous substances; hazardous waste

Contaminated packaging

Dispose of this material and its container to hazardous or special waste collection point. 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: No dangerous good in sense of this transport regulation.
14.2. UN proper shipping name: Gear oil
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.

Other applicable information (land transport)

No dangerous good in sense of this transport regulation.

Inland waterways transport (ADN)

14.1. UN number: No dangerous good in sense of this transport regulation.
14.2. UN proper shipping name: Gear oil
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.

Other applicable information (inland waterways transport)

No dangerous good in sense of this transport regulation.

Marine transport (IMDG)

14.1. UN number: No dangerous good in sense of this transport regulation.
14.2. UN proper shipping name: Gear oil
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.

Other applicable information (marine transport)

No dangerous good in sense of this transport regulation.

Air transport (ICAO-TI/IATA-DGR)

14.1. UN number: No dangerous good in sense of this transport regulation.
14.2. UN proper shipping name: Gear oil
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.

Other applicable information (air transport)

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. Transport in bulk according to Annex II of Marpol and the IBC Code

No dangerous good in sense of this transport regulation.

Safety Data Sheet

according to Regulation (EC) No 1907/2006

HIGHTEC HIGH PERFORMANCE GEAR OIL SAE 90

Revision date: 11.01.2018

Page 7 of 7

SECTION 15: Regulatory information**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****EU regulatory information****Additional information**

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

National regulatory information

Water contaminating class (D): 2 - clearly water contaminating

SECTION 16: Other information**Changes**

This data sheet contains changes from the previous version in section(s): 3,11.

Relevant H and EUH statements (number and full text)

EUH208 Contains Long-chain alkyl amine. May produce an allergic reaction.

Further Information

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