

OLAR GEGA HG-TEC SMT 85W140 GL-4**1. Identification of the substance/mixture and of the company/undertaking****1.1. Product identifier**

Product name OLAR GEGA HG-TEC SMT 85W140 GL-4

Internal identification API GL 4

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

Identified uses Gear oil

1.3. Details of the supplier of the safety data sheet

Company name Rchemie International Kimya San. Ve Tic. Ltd. Şti.

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E-mail www.olarlubricants.com**2. Hazards Identification****2.1. Classification of the substance or mixture**

Physical hazards Not classified

Health hazards Not classified

Environmental hazards Not classified

Classification (67/548/EEC/
or 1999/45/EC) -**2.2. Label Elements**Precautionary
statements (CLP) P102 - Keep out of reach of children**3. Composition/information on ingredients**

3.1. Substances Not applicable

SAFETY DATA SHEET

According to Regulation (EU) No. 2015/830

OLAR GEGA HG-TEC SMT 85W140 GL-4

3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Distillates (petroleum), hydrotreated heavy paraffinic	(CAS-No.) 64742-54-7 (EC-No.) 265-157-1 (EC Index-No.) 649-467-00-8 (REACH-no) 01-2119484627-25	10 - 25	Asp. Tox. 1, H304

4. First aid measures

4.1. Description of first aid measures

Inhalation	Move affected person to fresh air at once. Rinse nose and mouth with water. Get medical attention if any discomfort continues.
Ingestion	Never give anything by mouth to an unconscious person. Do not induce vomiting. Rinse mouth thoroughly with water. Get medical attention if any discomfort continues.
Skin contact	Remove affected person from source of contamination. Remove contaminated clothing. Wash skin thoroughly with soap and water. Get medical attention if any discomfort continues.
Eye contact	Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues.

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

Inhalation	May be harmful by inhalation if exposure to vapour, mists or fumes resulting from thermal decomposition products occurs.
Ingestion	Unlikely to cause harm if accidentally swallowed in small doses, though larger quantities may cause nausea and diarrhoea.

OLAR GEGA HG-TEC SMT 85W140 GL-4

Skin contact	High pressure injection of product into the skin may lead to local necrosis if the product is not surgically removed.
Eye contact	Unlikely to cause more than transient stinging or redness if accidental eye contact occurs.

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

Notes for the doctor No specific recommendations.

5. Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

The product is not flammable. Use fire-extinguishing media suitable for the surrounding fire.

5.2. Special hazards arising from the substance or mixture

Specific hazards

Protection against nuisance dust must be used when the airborne concentration exceeds 10 mg/m³.

5.3. Advice for firefighters

Protective actions during firefighting

Avoid breathing fire gases or vapours. Fight fire from safe distance or protected location. Control run-off water by containing and keeping it out of sewers and watercourses.

Special protective equipment for firefighters

Use protective equipment appropriate for surrounding materials.

6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions

For personal protection, see Section 8. In case of spills, beware of slippery floors and surfaces.

OLAR GEGA HG-TEC SMT 85W140 GL-4**6.2. Environmental precautions**

Environmental precautions Do not discharge into drains or watercourses or onto the ground. Avoid or minimise the creation of any environmental contamination. Spillages or uncontrolled discharges into watercourses must be reported immediately to the Environmental Agency or other appropriate regulatory body.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up Stop leak if possible without risk. Absorb in vermiculite, dry sand or earth and place into containers. Flush contaminated area with plenty of water. Avoid the spillage or runoff entering drains, sewers or watercourses. For waste disposal, see Section 13.

6.4. Reference to other sections

Reference to other sections For personal protection, see Section 8. See Section 11 for additional information on health hazards. For waste disposal, see section 13.

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

Usage precautions Avoid spilling. Avoid contact with eyes.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions Store in tightly-closed, original container in a dry, cool and well-ventilated place.

7.3. Specific end use(s)

Specific end use(s) The identified uses for this product are detailed in Section 1.2.

8. Exposure Controls/personal protection**8.1. Control parameters**

Occupational exposure limits No data available.

OLAR GEGA HG-TEC SMT 85W140 GL-4

8.2. Exposure controls

Protective equipment



Appropriate engineering controls

Avoid inhalation of vapours. Observe any occupational exposure limits for the product or ingredients. Provide adequate ventilation.

Eye/face protection

Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible. The following protection should be worn: Chemical splash goggles or face shield.

Hand protection

Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible.

Other skin and body protection

Min.250 °C

Hygiene measures

Wash promptly if skin becomes contaminated. Promptly remove non-impervious clothing that becomes contaminated. When using do not drink or smoke. Contaminated clothing should be placed in a closed container for disposal or decontamination.

Respiratory protection

No specific recommendations. Respiratory protection may be required if excessive airborne contamination occurs.

9. Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Appearance

Liquid.

Flash point

Min.230 °C

OLAR GEGA HG-TEC SMT 85W140 GL-4

Bulk density	0,901 g/cm ³ @15°C (ASTM D 4052)
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Viscosity	26,50-28,00 mm ² /s @ 100°C
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9.2. Other information

Other information	Not available.
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10. Stability and reactivity

10.1. Reactivity

Reactivity	There are no known reactivity hazards associated with this product.
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10.2. Chemical Stability

Stability	Stable at normal ambient temperatures and when used as recommended. Stable under the prescribed storage conditions.
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10.3. Possibility of hazardous reactions

Possibility of hazardous reactions	Will not polymerise.
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10.4. Conditions to avoid

Conditions to avoid	Avoid excessive heat for prolonged periods of time.
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10.5. Incompatible materials

Materials to avoid	No specific material or group of materials is likely to react with the product to produce a hazardous situation.
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10.6. Hazardous decomposition products

Hazardous decomposition products	Fire creates: Carbon monoxide (CO). Carbon dioxide (CO ₂).
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11. Toxicological information

11.1. Information on toxicological effects

OLAR GEGA HG-TEC SMT 85W140 GL-4

Acute toxicity (oral) Not classified
Acute toxicity (dermal) Not classified
Acute toxicity (inhalation) Not classified

Distillates (petroleum), hydrotreated heavy paraffinic (64742-54-7)	
LD50 oral rat	> 5000 mg/kg
LD50 dermal rat	> 5000 mg/kg
LC50 inhalation rat (mg/l)	> 5,53 mg/l

Germ cell mutagenicity

Genotoxicity - in vitro No information available.

Genotoxicity - in vivo No information available.

Carcinogenicity

Carcinogenicity No information available.

Reproductive toxicity

Reproductive toxicity – fertility No information available.

Reproductive toxicity - development No information available.

Specific target organ toxicity - single exposure

STOT - single exposure No information available.

Specific target organ toxicity - repeated exposure

STOT - repeated exposure No information available.

Inhalation No specific health hazards known.

OLAR GEGA HG-TEC SMT 85W140 GL-4

Ingestion No specific health hazards known.

Skin contact No specific health hazards known.

Eye contact No specific health hazards known.

12. Ecological Information**12.1. Toxicity**

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

Distillates (petroleum), hydrotreated heavy paraffinic (64742-54-7)	
LC50 fish 1	100 mg/l
EC50 Daphnia 1	10000 mg/l

12.2. Persistence and degradability

Persistence and degradability There are no data on the degradability of this product.

Distillates (petroleum), hydrotreated heavy paraffinic (64742-54-7)	
Biodegradation	31 %

12.3. Bioaccumulative potential

Bioaccumulative potential No data available on bioaccumulation.

12.4. Mobility in soil

Mobility The product is not miscible with water.

12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB assessment This product does not contain any substances classified as PBT or vPvB.

SAFETY DATA SHEET

According to Regulation (EU) No. 2015/830

OLAR GEGA HG-TEC SMT 85W140 GL-4

12.6. Other adverse effects

Other adverse effects No information required.

13. Disposal considerations

13.1. Waste treatment methods

General information	The packaging must be empty (drop-free when inverted).
Disposal methods	Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority. Environmental Manager must be informed of all major spillages. Avoid the spillage or runoff entering drains, sewers or watercourses.

14. Transport information

14.1. General The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, ADR/RID)

14.2. UN Number Not applicable

14.3. UN proper shipping name Not applicable

14.4. Transport hazard class No transport warning sign required.

14.5. Packing group Not applicable

14.6. Environmental hazards

Environmentally hazardous substance/marine pollutant	No
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14.7. Special precautions for user Not applicable.

14.8. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

SAFETY DATA SHEET

According to Regulation (EU) No. 2015/830

OLAR GEGA HG-TEC SMT 85W140 GL-4

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable.

15. Regulatory information

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

Guidance

Contains no REACH substances with Annex XVII restrictions
Contains no substance on the REACH candidate list
Contains no REACH Annex XIV substances
Contains no substance subject to REGULATION (EU) No 649/2012 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 4 July 2012 concerning the export and import of hazardous Chemicals
Contains no substance subject to Regulation (EU) No 2019/1021 of the European Parliament and of the Council of 20 June 2019 on persistent organic pollutants

VOC content

0 %

15.2. Chemical safety assessment

No additional information available.

16. Other information

Key literature references and sources for data

This SDS is prepared based on the information received from the the product raw material.

Full text of H- and EUH-statements	
Asp. Tox. 1	Aspiration hazard, Category 1
H304	May be fatal if swallowed and enters airways.
EUH210	Safety data sheet available on request

This information relates only to the specific material designated and may not be valid for such material used in combination

SAFETY DATA SHEET

According to Regulation (EU) No. 2015/830

OLAR GEGA HG-TEC SMT 85W140 GL-4

with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.