

OLAR PENTA 10W60 SN SYNTHETIC MOTOR OIL**1. Identification of the substance/mixture and of the company/undertaking****1.1. Product identifier**

Product name OLAR PENTA 10W60 SN SYNTHETIC MOTOR OIL

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

Identified uses Engine 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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2. Hazards Identification**2.1. Classification of the substance or mixture**

Physical hazards Not classified

Health hazards Not classified

Environmental hazards Not classified

2.2. Label Elements

Other information Used oil may contain harmful impurities.

3. Composition/information on ingredients

Name	CAS#	Concentration*
Distillates (petroleum), hydrotreated light paraffinic	64742-55-8	5.00 – 10.00 %
Highly refined mineral oil, severely hydrotreated slack wax, synthetic esters, polyolefins and additives.		

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The highly refined mineral oil contains <%3 (w/w) DMSO extract, according to IP346. Blend of polyolefins and additives.

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	No specific symptoms known.
Ingestion	May cause discomfort if swallowed.
Skin contact	Prolonged skin contact may cause redness and irritation.
Eye contact	Irritation of eyes and mucous membranes. Symptoms following: Redness. Pain.

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

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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 Carbon monoxide. Unidentified organic and inorganic compounds.

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.

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.

OLAR PENTA 10W60 SN SYNTHETIC MOTOR OIL**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.
Do not eat, drink or smoke when using the product. Good personal hygiene procedures should be implemented.

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

Material	Source	Type	ppm	mg/m3
Oil mist, mineral	ACGIH	TWA (Mist)		5 mg/m3
Oil mist, mineral	ACGIH	STEL (Mist)		10 mg/m3
Distillates petroleum hydrotreated light paraffinic	ACGIH	TWA (Mist)		5 mg/m3

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Distillates petroleum hydrotreated light paraffinic	ACGIH	STEL (Mist)		10 mg/m ³
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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

Wear apron or protective clothing in case of contact.

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.

OLAR PENTA 10W60 SN SYNTHETIC MOTOR OIL**9. Physical and Chemical Properties****9.1. Information on basic physical and chemical properties**

Appearance	Liquid.
Flash point	201 °C
Bulk density	0,851 g/cm ³ @15°C (ASTM D 4052)
Viscosity	24,00 mm ² /s @ 100°C

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	No potentially hazardous reactions known.
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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	Strong oxidising agents.
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10.6. Hazardous decomposition products

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Hazardous decomposition products Hazardous decomposition products are not expected to form during normal storage.

11. Toxicological information**11.1. Information on toxicological effects**

Acute oral toxicity Expected to be of low toxicity: LD50> 5000 mg/kg , Rat

Acute dermal toxicity Expected to be of low toxicity: LD50> 5000 mg/kg , Rabbit

Germ cell mutagenicity

Genotoxicity - in vitro Not available.

Genotoxicity - in vitro Not available.

Carcinogenicity

Carcinogenicity Not available.

Reproductive toxicity

Reproductive toxicity - fertility Not available.

Reproductive toxicity - development Not available.

Specific target organ toxicity - single exposure

STOT - single exposure Not available.

Specific target organ toxicity - repeated exposure

STOT - repeated exposure Not available.

Inhalation Gas or vapour in high concentrations may irritate the respiratory system.

Ingestion May cause discomfort if swallowed.

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Skin contact	Liquid may irritate skin.
Eye contact	May cause temporary eye irritation.

12. Ecological Information

12.1. Toxicity

Acute toxicity	Expected to be practically non toxic.
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12.2. Persistence and degradability

Persistence and degradability	Hydrocarbon component -- Expected to be readily biodegradable Majority of components -- Expected to be inherently biodegradable
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12.3. Bioaccumulative potential

Bioaccumulative potential	No data available on bioaccumulation.
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12.4. Mobility in soil

Mobility	The product is partly miscible with water and may spread in the aquatic environment.
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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.
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12.6. Other adverse effects

Other adverse effects	No information required.
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13. Disposal considerations

13.1. Waste treatment methods

Disposal methods	Dispose of waste to licensed waste disposal site in accordance with
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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

No

substance/marine pollutant

14.7. Special precautions for user Not applicable.

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

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

Not applicable.

OLAR PENTA 10W60 SN SYNTHETIC MOTOR OIL**15. Regulatory information****15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

Listed or exempt from listing/notification on the following chemical inventories (May contain substance(s) subject to notification to the EPA Active TSCA inventory prior to

import to USA): EINECS, DSL, TSCA

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.

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