

SAFETY DATA SHEET

According to Regulation (EU) No. 2015/830

OLAR PENTA 5W20 SN SYNTHETIC

1. Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product name OLAR PENTA 5W20 SN SYNTHETIC

Internal identification API SN

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

This material is not hazardous according to regulatory guidelines (see (M)SDS Section 15).
None as defined under 29 CFR 1910.1200.

Physical / Chemical hazards No significant hazards.

Health hazards High-pressure injection under skin may cause serious damage.
Excessive exposure may result in eye, skin, or respiratory irritation.

Environmental Hazards No significant hazards.

NFPA Hazard ID: Health: 0 Flammability: 1 Reactivity: 0

HMIS Hazard ID: Health: 0 Flammability: 1 Reactivity: 0

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3. Composition/information on ingredients

3.2. Mixtures

This material is defined as a mixture.

Hazardous Substance(s) or Complex Substance(s) required for disclosure

Name	CAS#	Concentration*	GHS Hazard Codes
1-DECENE, HOMOPOLYMER HYDROGENATED	68037-01-4	20 - < 30%	H304
2-PENTANOL, 4- METHYL-, HYDROGEN PHOSPHORODITHIOATE, ZINC SALT	2215-35-2	0.1 - < 1%	H303, H315, H318, H401, H411
PHOSPHORODITHIOIC ACID, MIXED 0,0 BIS (1,3- DIMETHYLBUTYL AND ISO-PR)ESTERS, ZINC SALTS	84605-29-8	0.1 - < 1%	H303, H315, H318, H401, H411
SEVERELY HYDROTREATED HEAVY PARAFFINIC DISTILLATE	64742-54-7	20 - < 30%	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.

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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.
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5. Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	Use water fog, foam, dry chemical or carbon dioxide (CO2) to extinguish flames.
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Inappropriate extinguishing media	Straight streams of water
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5.2. Fire fighting

Fire fighting instructions	Evacuate area. Prevent run-off from fire control or dilution from entering streams, sewers or drinking water supply. Fire-fighters should use standard protective equipment and in enclosed spaces self-contained breathing apparatus (SCBA). Use water spray to cool fire exposed surfaces and to protect personnel.
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Hazardous combustion products	Aldehydes, Incomplete combustion products, Oxides of carbon, Smoke, Fume, Sulphur oxides
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5.3. Flammability properties

Flash point method	>200°C (392°F) [ASTM D-92]
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Flammable limits (Approximate volume % in air)	LEL: 0.9 UEL: 7.0
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Autoignition Temperature	N/D
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6. Accidental release measures

6.1. Notification procedures

Notification procedures	In the event of a spill or accidental release, notify relevant authorities in accordance with all applicable regulations.
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6.2. Protective measures

Protective	Avoid contact with spilled material. See Section 5 for fire fighting
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measures information. See the Hazard Identification. See Section 4 for First Aid Advice. See Section 8 for advice on the minimum requirements for personal protective equipment. Additional protective measures may be necessary.

6.3. Spill management

Land spill Stop leak if possible without risk. Recover by pumping or with suitable absorbent.

Water spill Stop leak if you can do so without risk. Confine the spill immediately with booms. Remove from the surface by skimming or with suitable absorbents.

6.4. Environmental precautions

Large spills Dyke far ahead of liquid spill for later recovery and disposal. Prevent entry into waterways, sewers, basements or confined areas.

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.

8. Exposure Controls/personal protection

8.1. Exposure limit values

Substance Name	Form	Limit / Standard			NOTE
1-DECENE, HOMOPOLYMER HYDROGENATED	Aerosols (thoracic fraction)	TWA	5 mg/m ³		N/A
SEVERELY HYDROTREATED	Mist.	TWA	5 mg/m ³		N/A

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HEAVY PARAFFINIC DISTILLATE					
SEVERELY HYDROTREATED HEAVY PARAFFINIC DISTILLATE	Inhalable fraction.	TWA	5 mg/m ³		N/A

When mists/aerosols can occur the following are recommended: 5 mg/m³ - ACGIH TLV (inhalable fraction), 5 mg/m³ - OSHA PEL.

- 8.2. Engineering controls** The level of protection and types of controls necessary will vary depending upon potential exposure conditions.
- 8.3. Personal protection** Personal protective equipment selections vary based on potential exposure conditions such as applications, handling practices, concentration and ventilation. Information on the selection of protective equipment for use with this material, as provided below is based upon intended normal usage.

Respiratory protection: If engineering controls do not maintain airborne contaminant concentrations at a level which is adequate to protect worker health, an approved respirator may be appropriate. Respirator selection, use, and maintenance must be in accordance with regulatory requirements, if applicable. Types of respirators to be considered for this material include: No special requirements under ordinary conditions of use and with adequate ventilation.

Hand protection: Any specific glove information provided is based on published literature and glove manufacturer data. Inspect and replace worn or damaged gloves.

Eye protection: If contact is likely, safety glasses with side shields are recommended.

Skin and body Any specific clothing information provided is based on published

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protection: literature or manufacturer data. The types of clothing to be considered for this material include: No skin protection is ordinarily required under normal conditions of use. In accordance with good industrial hygiene practices, precautions should be taken to avoid skin contact.

Specific hygiene measures: Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking.

8.4. Environmental controls: Comply with applicable environmental regulations limiting discharge to air, water and soil.

9. Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Appearance Liquid.

Flash point 230 °C

Bulk density 0,850 g/cm³ @15°C (ASTM D 4052)

Viscosity 8,0-9,3 mm²/s @ 100°C

9.2. Other information

Other information Not available.

10. Stability and reactivity

10.1. Chemical Stability

Stability Stable at normal ambient temperatures and when used as recommended. Stable under the prescribed storage conditions.

10.2. Possibility of hazardous reactions

Possibility of hazardous reactions Will not polymerise.

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10.3. Conditions to avoid

Conditions to avoid Excessive heat. High energy sources of ignition.

10.4. Incompatible materials

Materials to avoid Strong oxidisers

10.5. Hazardous decomposition products

Hazardous decomposition products Material does not decompose at ambient temperatures.

11. Toxicological information

11.1. Information on toxicological effects

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.

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Inhalation	No specific health hazards known.
Ingestion	May cause discomfort if swallowed.
Skin contact	Liquid may irritate skin.
Eye contact	May cause temporary eye irritation.

TOXICITY FOR SUBSTANCES

NAME	ACUTE TOXICITY
2-PENTANOL, 4-METHYL-, HYDROGEN PHOSPHORODITHIOATE, ZINC SALT	Oral Lethality: LD50 2230 mg/kg (Rat)

REGULATORY LISTS SEARCHED

1 = NTP CARC 3 = IARC 1 5 = IARC 2B
2 = NTP SUS 4 = IARC 2A 6 = OSHA CARC

12. Ecological Information

12.1. Toxicity

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

12.2. Persistence and degradability

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

12.3. Bioaccumulative potential

Bioaccumulative potential No data available on bioaccumulation.

12.4. Mobility in soil

12.5. Results of PBT and vPvB assessment

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

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assessment or vPvB.

12.6. Other adverse effects

Other adverse effects No information required.

13. Disposal considerations

13.1. Waste treatment methods

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. LAND (DOT-TDG) Not Regulated for Land Transport

14.2. SEA (IMDG) Not applicable

14.3. AIR (IATA) Not Regulated for Air Transport

15. Regulatory information

This material is not considered hazardous according to OSHA HazCom 2012, 29 CFR 1910.1200.

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):

AIIC, DSL, ENCS, IECSC, KECI, PICCS, TCSI, TSCA

The following ingredients are cited on the lists below:

Chemical Name	CAS Number	List Citations
2-PENTANOL, 4-METHYL-, HYDROGEN	2215-35-2	15
PHOSPHORODITHIOATE, ZINC SALT		

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PHOSPHORODITHIOIC ACID, MIXED 0,0 BIS (1,3- DIMETHYLBUTYL AND ISOPR)ESTERS, ZINC SALTS	84605-29-8	15
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REGULATORY LISTS SEARCHED

1 = ACGIH ALL	6 = TSCA 5a2	11 = CA P65 REPRO	16 = MN RTK
2 = ACGIH A1	7 = TSCA 5e	12 = CA RTK	17 = NJ RTK
3 = ACGIH A2	8 = TSCA 6	13 = IL RTK	18 = PA RTK
4 = OSHA Z	9 = TSCA 12b	14 = LA RTK	19 = RI RTK
5 = TSCA 4	10 = CA P65 CARC	15 = MI 293	

Code key: CARC=Carcinogen; REPRO=Reproductive

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.

Hazard statements in full

H303 May be harmful if swallowed; Acute Tox Oral, Cat 5
 H304: May be fatal if swallowed and enters airways; Aspiration, Cat 1
 H315: Causes skin irritation; Skin Corr/Irritation, Cat 2
 H318: Causes serious eye damage; Serious Eye Damage/Irr, Cat 1
 H401: Toxic to aquatic life; Acute Env Tox, Cat 2
 H411: Toxic to aquatic life with long lasting effects; Chronic Env Tox, Cat 2

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.