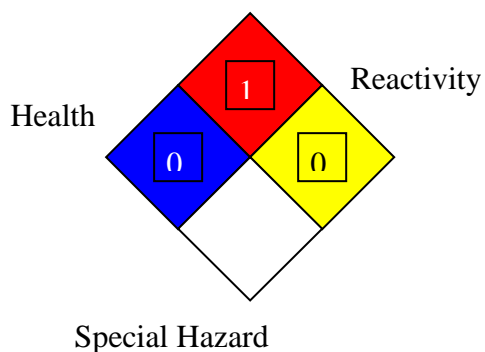




Jordan Petroleum Refinery Company Material Safety Data Sheet ROYAL SYNTHETIC

NFPA: Flammability



JPRC LUB-27

HMIS III:

Flammability	1
Health	0
Reactivity	0

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product name:	Extra Synthetic 5W/40
MSDS Number:	JPRC LUB-
Product Use Description:	For use in gasoline and indirect - injected diesel engine , where the requirements call for API SN.
Company	Jordan Petroleum Refinery Amman – Jordan. TEL: + 962 6 4630151 or 4657600 FAX: + 962 6 4657934 or 4657939 P.O.BOX: 3396 Amman 11181 – Jordan P.O.BOX: 1079 Amman 11118 – Jordan Website: http://www.jopetrol.com.jo E-mail: addewan@jopetrol.com.jo

SECTION 2. COMPOSITION / INFORMATION ON INGREDIENTS.

COMPOSITION :	Group III base oil DI SP /SN package VII PPD
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SECTION 3. HAZARDS IDENTIFICATION

Hazardous identification

Symbol(s):

Not applicable

Product Classification:

Not applicable

SECTION 4. FIRST AID MEASURES

First Aid Measures:

Eye Contact

Flush with water at least 30 minutes. Get medical attention if eye irritation develops or persists.

Skin contact

Wash with soap & water.

Get medical attention if irritation develops. Launder contaminated clothing before reuse.

Inhalation

Remove exposed person to fresh air if adverse effects are observed.

Ingestion

Do not induce vomiting. Get medical attention.

SECTION 5. FIRE-FIGHTING MEASURES

Fire- Fighting Measure

Flash point:

210° C, 410° F PMCC (Typical)

Extinguishing media:

CO₂, dry chemical, or foam. Water can be used to cool and protect exposed material.

Fire fighting procedures:

Recommend wearing self-contained breathing apparatus. Water cause splattering.

Unusual fire and explosion hazards

None known.

NFPA hazard ID

Health : 0, Flammability : 1,

Reactivity : 0

SECTION 6. ACCIDENTAL RELEASE MEASURES

Spill Procedures:

Personal Protective Equipment must be worn, see Personal Protection Section for PPE recommendations. Ventilate area if spilled in confined space or other poorly ventilated areas. Prevent entry into sewers and waterways. Pick up free liquid for recycle and / or disposal. Residual liquid can be absorbed on inter material.

SECTION 7. HANDLING AND STORAGE

Handling Procedures:	Keep containers closed when not in use. Wash thoroughly after handling. Empty container contains product residue which may exhibit hazards of product.
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SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure controls/ personal protection

Respiratory protection

Use respiratory protection with a combination organic vapor and high efficiency filter cartridge if recommended exposure limit is exceeded. Use self-contained breathing apparatus for entry into confined space, for other poorly ventilated areas and for large spill clean-up sites

Clothing Recommendation:

Long sleeve shirt is recommended. When working with heated material, wear heat protective clothing. Launder contaminated clothing before reuse.

Hands

Nitrile.

Eyes

Safety Glasses.

Engineering controls

Use with adequate ventilation.

Exposure limit:

Contains mineral oil. Under conditions which may generate mists, observe the OSHA PEL of 5 mg per cubic meter, ACGIH STEL of 10 mg per cubic meter.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Form:	Liquid
VI:	163
Flash Point:	220 ° C (COC)
Pour Point:	-36 ° C
BN:	10.2 mg KOH/g
Sulfated Ash :	1.3 Wt%
Density:	0.8545 g/cm ³ @ 15 ° C Test Method: ASTM D 1298
Kinematic viscosity:	11.6 centi-stock @ 100 ° C Test Method ASTM D 445

SECTION 10. STABILITY AND REACTIVITY

Stability:

Material is normally stable at moderately elevated temperatures and pressures.

Incompatibility:

Strong acids. Oxidizing agents.

Thermal Decomposition:

Smoke, carbon monoxide, carbon dioxide, aldehydes and other products of incomplete combustion.

SECTION 11. TOXICOLOGICAL INFORMATION

Acute Effects

Inhalation

If material is misted or if vapors are generated from heating, exposure may cause irritation of mucous membranes and the upper respiratory tract. Fumes or vapor from heated polymer may be toxic and / or irritating to eyes, skin, mucous membrane and respiratory tract.

Skin contact

Not expected to be a primary skin irritant. Repeated or prolonged contact as from clothing wet with material may cause dermatitis. Symptoms may include redness, edema, drying, and cracking of the skin.

Eye contact

Not expected to cause eye irritation.

LD₅₀

>2000 mg/kg

SECTION 12. DISPOSAL CONSIDERATIONS

Waste disposal

This material, if discarded, should not be considered a European hazardous waste.

SECTION 13. REGULATORY INFORMATION

Risk Phrases:

R38- Irritating to skin.

R41- Risk of serious damage to eye.

R51/53-Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

SECTION 14. OTHER INFORMATION

LD₅₀

Lethal Dose (mg/kg)

PEL

Permissible Exposure Limits

NFPA

National Fire Protection Association:

PPE

Personal Protective Equipment

SCBA

Self – Contained Breathing Apparatus

TWA

Time – Weighted Average.

OSHA

Occupational Safety And Health Administration

ACGIH

American Conference of Governmental Industrial Hygienists