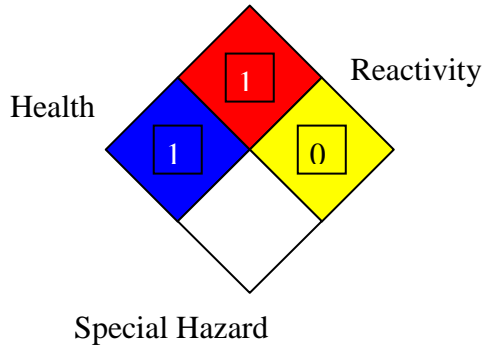




Jordan Petroleum Refinery Company
Material Safety Data Sheet
AYLA SYNTHETIC

NFPA: Flammability



JPRC LUB-28

HMIS III:

Flammability	1
Health	1
Reactivity	0

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product name:	Ayla Synthetic SAE 10W/40
MSDS Number:	JPRC LUB-28
Product Use Description:	High Performance Diesel & Gasoline Engine Oil with performance level 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 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:	CO ₂ , 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 : 1, 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.
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SECTION 7. HANDLING , STORAGE AND TRANSPOTR

Handling Procedures:	Keep containers closed when not in use. Wash thoroughly after handling. Empty container contains product residue which may exhibit hazards of product.
Storage Procedures:	Odorous and toxic fumes may form from the decomposition of this product if stored at temperatures in excess of 113

deg F (45 deg C) for extended periods of time

or if heat sources in excess of 250 deg F (121 deg C) are used.

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure controls/ personal protection

Respiratory protection

Under normal use conditions, respirator is not usually required. Use disposable dust / mist mask if the 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. Use chemically protective boots when necessary to avoid contaminating shoes. Do not wear rings, watches or similar apparel that could entrap the material and cause a skin reaction. Launder contaminated clothing before reuse.

Hands

Nitrile. Neoprene.

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
color	Dark brown
Odor	Characteristic
PH	Not Applicable
Pour Point	<-33 °C (ASTMD 97)
Flash Point	>200°C (ASTM D 93)
Auto –Ignition Temperature	>250°C (ASTM E659)
Density	APPROX 866 Kg/m3 @ 15°C
Solubility	Insoluble & Immiscible In Water Soluble In An Important Number Of Solvents
Viscosity	Kinematic Viscosity @ 100°C approx 14 mm2/s.

SECTION 10. STABILITY AND REACTIVITY

Stability:

Material is normally stable at room

Incompatibility:	temperature and pressure. Acids. Oxidizing agents.
Thermal Decomposition:	Smoke, carbon monoxide, carbon dioxide, aldehydes and other products of incomplete combustion. Hydrogen sulfide and alkyl mercaptans and sulfides may also be released.
IMO CLASS>	Petroleum lubricating oil not regulated as dangerous
UN	Not applicable .

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.
LD ₅₀	>2000 mg/kg

SECTION 12. DISPOSAL CONSIDERATIONS

Waste disposal	This material, if discarded, should not be considered a European hazardous waste.
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SECTION 13. REGULATORY INFORMATION

Risk Phrases:	R38- Irritating to skin. R41- Risk of serious damage to eye. R50/53-Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. R51/53-Toxic to aquatic organisms may cause long-term adverse effects in the aquatic environment. R62-Possible risk of impaired fertility.
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SECTION 14. OTHER INFORMATION

LD ₅₀	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

