



<b>Flammability</b>	<b>1</b>
<b>Health</b>	<b>3</b>
<b>Reactivity</b>	<b>0</b>
<b>Special Hazard</b>	

### Section 1: Product and Company Identification

Product name:	Passenger Car Motor Oil (SAE 10W/40, 20W/50).
Product Use Description:	This PCMO is recommended for use in all modern gasoline powered engines.
Company :	Jordan National Lube Oil Company Amman – Jordan. TEL: + 962 6 4794455 FAX: + 962 6 4740071 P.O.BOX: 556 Abu Alanda 11592 Jordan Website: www.sayeghgroup.com

### Section 2: Composition / Information On Ingredients.

Composition :	SN 150 SN 500 GP III Hi Tech 9890 Viscoplex 4-677 Viscoplex 1-343
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### Section 3: Hazards Identification

US OSHA hazard communication standard for (SN-500, SN-150):	Product assessed in accordance with OSHA 29 CFR 1910.1200 & determined to be hazardous
Effects of overexposure:	No significant effects expected.
Emergency response data:	Black semi – solid. Dot ERG NO.- NA
Hazard Identification for (Lubrizon 16010, Lubrizon 7077):	The preparations are classified as dangerous according to Directive 1999/45/EC and they are amendments.

### Section 4: First Aid Measures

Eye Contact:	Flush thoroughly with water for at least 15 min. If irritation occurs , call a physician
Skin contact:	Wash contact areas with soap & water, Get medical attention if irritation developed.
Inhalation:	If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention immediately.
Ingestion:	If affected person is fully conscious, give one glass of water to drink. Never give anything by mouth to an



unconscious person. Get medical attention if symptoms appear.

### **Section 5: Fire-Fighting Measures**

Extinguishing media:	Carbon dioxide, foam, dries chemical, and water fog.
Special fire fighting procedures:	Water or foam may cause frothing. Use water to keep fire exposed containers cool. Water spray may be used to flush spills away from exposure. Prevent runoff from fire control or dilution from entering streams, sewers, or drinking water supply.
Special protective equipment:	For fires in enclosed areas, fire fighters must use self-contained breathing apparatus (SCBA) and full turnout gear.
Unusual fire and explosion hazards	Storage tank headspace may contain flammable atmosphere.
NFPA hazard ID	Health : 3, Flammability : 1, Reactivity : 0
Hazardous decomposition products	Carbon monoxide, carbon dioxide, some metallic oxides.
Flammable limits:	LEL: NA, UEL: NA.

### **Section 6: Accidental Release Measures**

Accidental Release Measures:	<p>This material if slippery might cause traffic accident. If split on road, it must be cover with sand immediately. In the event of a spill or leak or accident person not wearing protective equipment &amp; clothing should be restricted from contaminated areas until clean up has been completed.</p> <p>the following steps should be undertaken following a spill or leak:</p> <ol style="list-style-type: none"><li>1- Notify safety personal.</li><li>2- Remove all sources of heat and ignition.</li><li>3- Ventilate potentially explosive atmospheres.</li><li>4- Do not touch the spilled material; stop the leak if it is possible to do so without risk.</li><li>5- Use water spray to reduce vapors; do not get water inside container. Do not flush waste to sewers or open waterways.</li><li>6- For liquid spills, cover with sand and then remove for later disposal.</li><li>7- Prevent spills from entering storm sewers or drains.</li></ol>
Personal precautions:	Immediately contact emergency personnel. Keep unnecessary personnel away. Use suitable protective equipment (see section 8). Follow all fire-fighting procedures.

### **Section 7: Handling And Storage.**



Handling:	Avoid contact with eyes, skin and clothing. Keep container closed. Use only with adequate ventilation. Avoid breathing vapor or mist. Wash thoroughly after handling.
Storage:	Keep container tightly closed. Keep container in a cool, well-ventilated area. Store away from strong oxidizing agents or combustible material.

### Section 8: Exposure Controls / Personal Protection

Respiratory protection	Use appropriate respiratory protection if there is the potential to exceed the exposure limit
Skin and body	Disposable outer garments when there is the potential for contact with the material
Hands	Use chemical resistant apron and / or other clothing to protect against hot liquid & to avoid skin contact
Eyes	Safety goggles are considered minimum protection. Goggles with a face shield may be necessary depending on quantity of material & conditions of yours.
Engineering controls	Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limits value.
Respiratory protection	Use material in well ventilated area only. Additional ventilation or exhaust may be required to maintain air concentrations below recommended exposure limits.
Ingredient name:	ACGIH TWA : 5 mg/m <sup>3</sup> STEL : 10 mg/m <sup>3</sup> OSHA TWA : 5 mg/m <sup>3</sup>
Mineral oil (Lubrizol 16010/Lubrizol 7077)	5.00 mg/m <sup>3</sup>

### Section 9: Physical And Chemical Properties

Form:	Liquid
Appearance:	Bright and Clear, Light Brown.
VI:	150
Flash point:	224 ° C (COC)
Pour Point:	-27 ° C
BN:	8 mgKOH/g
Sulfated Ash WT%:	1.20
Density	0.8730 g/cm <sup>3</sup> @ 15 ° C Test Method: ASTM D 1298
Kinematic viscosity:	14 g/cm <sup>3</sup> @ 100 ° C Test Method: ASTM D 445
Dynamic viscosity for Pure Tech 5W/30:	Max 7000 cent poise @ -25 Test Method: ASTM D 5293

### Section 10: Stability And Reactivity

Stability:	The product is stable.
Material to avoid:	Strong oxidizing and reducing agents.
Condition to avoid:	High temperatures, sparks, and open flames.



Hazardous decomposition products: Sulfur oxides. Hydrogen sulfide. Carbon monoxide.

### Section 11: Toxicological Information

Routes of Entry	Skin, Eyes, Ingestion, and Inhalation
Target Organs	Contains material which may cause damage to the following organs: upper respiratory tract, skin, eyes.
Inhalation	Irritating to respiratory system. (Does not meet EU R37 classification criteria.)
Ingestion	Not determined.
Skin contact	Non-irritating to the skin. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin, resulting in non- allergic contact dermatitis and absorption through the skin.
Eye contact	Irritating to eyes. (Does not meet EU R41 or R36 classification criteria.)
LD <sub>50</sub>	2000 mg/kg

### Section 12: Ecological Information

Environmental Hazards	Harmful to aquatic organisms. May cause long- term adverse effects in the aquatic environment. Based on calculation.
Environmental Fate	This product contains components which may be persistent in the environment.

### Section 13: Disposal Considerations

Waste disposal	Product is suitable for burning in an enclosed, controlled burner for fuel value or disposal by supervised incineration. Such burning may be limited pursuant to the resource conservation and recovery Act. In addition, the product is suitable for processing by an approved recycling facility or can be disposed of at an appropriate government waste disposal facility. Use of these methods is subject to user compliance with applicable laws and regulations and consideration of product characteristics at time of disposal.
RCRA Information	The unused product, in our opinion, is not specifically listed by the EPA as a hazardous waste (40CFR, Part 261D), nor is not formulated to contain materials which are listed hazardous wastes. It does not exhibit the hazardous characteristics of ignitability, corrosively, or reactivity and is not formulated with contaminants as determined by the Toxicity Characteristic Leaching Procedure (TCLP). However, used product may be regulated.

### Section 14: Regulatory Information



Risk Phrases:  
(Lubrizol 16010, Lubrizol 7077)

R52/53-Harmful to aquatic organisms may cause long-term adverse effects in the aquatic environment.  
R36/38- Irritating to eyes and to skin.  
R50-Very toxic to aquatic organisms.  
R51- Toxic to aquatic organisms.

Safety Phrases:  
(Lubrizol 16010, Lubrizol 7077)

S61-Avoid release to the environment. Refer to special instructions/Safety data sheets.

### Section 15: Other Information

LD <sub>50</sub>	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