

**PETRON MOTOR OIL 40****SECTION 1: IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY**

Product Name	<b>PETRON MOTOR OIL 40</b>
Synonyms/Trade Name:	-
Product Type	Petroleum Hydrocarbons with Additives
Recommended Use	Engine Oil
Company Information	PETRON CORPORATION San Miguel Head Office Complex 40 San Miguel Avenue, Mandaluyong City PHILIPPINES
General Contact Numbers	(632) 884-9200
Website	www.petron.com

**SECTION 2: HAZARDS IDENTIFICATION**

<b>GHS CLASSIFICATION</b>	Acute Toxicity – Oral, Category 5 Acute Toxicity - Dermal, Category 5 Acute Toxicity - Inhalation, Category 5 Skin Corrosion/Irritation, Category 3 Serious Eye Damage / Eye Irritation, Category 2B
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**GHS LABELING**

Symbols	<b>Not Required</b>
Signal Word	<b>Warning</b>
Hazard Statement	H303 May be harmful if swallowed H332 Harmful if inhaled H316 Causes mild skin irritation H320 Causes eye irritation

**General Precautionary Statements**

P101	If medical advice is needed, have product container or label at hand
P102	Keep out of reach of children
P103	Read label before use

**Prevention Precautionary Statements**

P201	Obtain special instructions before use
P202	Do not handle until all safety precautions have been read and understood
P264	Wash hands thoroughly after handling
P270	Do not eat, drink or smoke when using this product
P271	Use only outdoors or in a well-ventilated area
P280	Wear protective gloves/protective clothing
P281	Use personal protective equipment as required

**Response Precautionary Statements**

P302 + P352	IF ON SKIN: Wash with plenty of soap and water
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P304 + P340 IF INHALED: Remove victim to a fresh air and keep at rest in a position comfortable for breathing

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, If present and easy to do. Continue rinsing.

P308 + P313 IF exposed or concerned: Get medical advice/attention

P309 + P311 If exposed or if you feel unwell: Call a POISON CENTER or doctor/physician

P312 Call a Poison Center or Physician if you feel unwell

P314 Get medical advice/attention if you feel unwell

P332 + P313 If skin irritation occurs: get medical advice/attention

P337 + P313 If eye irritation persists: Get medical advice/attention

#### Storage Precautionary Statements

P403 + P233 Store in a well-ventilated place. Keep container tightly closed

P405 Store locked up

#### Disposal Precautionary Statement

P501 Dispose of contents/container in accordance with local/regional/national/ international regulations

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### SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

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Composition	CAS Number	% Weight
Distillates (Petroleum) hydrotreated heavy paraffinic	64742-54-7	70 - 85
Residual oils (Petroleum), solvent dewaxed	64742-62-7	15 - 30
Zink Alkyl Dithiophosphate	134759-18-15	<1.0

In general, the product contains small percentage of components that may be a significant health and safety hazard thus proper handling petroleum products and observing precautions must be observed and good standards of industrial and personal hygiene must be maintained.

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### SECTION 4: FIRST AID MEASURES

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**Eye Contact** Immediately flush eyes with large amount of water for at least 15 minutes or until irritation subsides. If irritation persists, get prompt medical attention.

**Skin Contact** Immediately flush with large amount of water; use soap if available. Remove contaminated clothing, including shoes, and launder before reuse.

**Ingestion** If swallowed, DO NOT induce vomiting. If individual is conscious, give milk or water to dilute stomach contents. Keep warm and quiet. Get immediate medical attention. DO NOT attempt to give anything by mouth to an unconscious person.

**Inhalation** This product is not expected to present an inhalation problem at ambient temperature. However, if overexposed to oil mist, using proper respiratory protection, immediately remove the affected person immediately to fresh air. Administer artificial respiration if breathing is stopped. Keep at rest. Call for prompt medical attention.

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### SECTION 5: FIRE-FIGHTING MEASURES

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**Flash Point, COC, °C** 252

**Extinguishing Media** In case of fire use foam, carbon dioxide or dry chemical extinguishers.



**Special Fire-fighting Procedures**

Water jets should not be used directly on igniting products. Avoid spraying water directly into storage containers due to danger of boil-over. However, water may be used to cool exposed containers, structures and equipment adjacent to fire. Respiratory and eye protection required for fire-fighting personnel.

**Decomposition Products Under Fire Conditions**

Fumes, smoke, oxides of sulfur, nitrogen, carbon and other toxic gases may be formed.

**SECTION 6:****ACCIDENTAL RELEASE MEASURES****Land Spill**

Taking normal safety precaution, eliminate sources of ignition. Prevent additional discharge of material, if possible to do so without hazard. For small spills, implement clean-up procedures. For large spills, implement clean-up procedures and, if in public area, keep public away and advise authorities. Prevent liquid from entering sewers, water courses, or low areas. Contain spilled liquid with sand or earth. Recover by pumping or with a suitable absorbent. If liquid is too viscous for pumping, scrape up. Consult an expert on disposal of recovered material and ensure conformity to local disposal regulations.

**Water Spill**

Use booms to confine spills immediately. Remove from water surface by skimming or with suitable adsorbents. If allowed by local authorities and environmental agencies, sinking and/or suitable dispersants may be used in non-confined waters. Consult an expert on disposal of recovered material and ensure conformity to local disposal regulations.

**SECTION 7:****HANDLING AND STORAGE****Handling Procedures**

Keep away from potential sources of ignition. Open container in a well-ventilated area. Avoid breathing vapors. Keep containers closed when not in use. Wash thoroughly after handling. "Empty" containers with retained product residue (liquid or vapor) can be dangerous. Do not pressurize, cut, weld, braze, solder, drill, grind or expose containers to heat, flame, sparks, static electricity or other sources of ignition; they may explode and cause death or injury. Empty drums should be completely drained, properly bunged and promptly returned to a drum re-conditioner, or properly disposed off.

**Storage Procedures**

Do not store near potential sources of ignition. Store in a well-ventilated area. Odorous and toxic fumes may form from the decomposition of this product if stored at temperatures in excess of 60°C for extended periods of time or if heat sources in excess of 70°C are used.

**SECTION 8:****EXPOSURE CONTROLS AND PERSONAL PROTECTION****Exposure Controls**

Components	CAS-No	Source	Value
Distillates (Petroleum) hydrotreated heavy paraffinic	64742-54-7	ACGIH TLV ACGIH STEL OSHA PEL	5mg/m <sup>3</sup> (TWA) 10mg/m <sup>3</sup> (STEL) 5mg/m <sup>3</sup> (TWA)
Residual oils (Petroleum), solvent dewaxed	64742-62-7	ACGIH TWA SG OEL SG OEL	5mg/m <sup>3</sup> (TWA) 10mg/m <sup>3</sup> (STEL) 5mg/m <sup>3</sup> (TWA)
Zink Alkyl Dithiophosphate	134759-18-15	ACGIH	5mg/m <sup>3</sup> (TLV) 10mg/m <sup>3</sup> (STEL)



## Personal Protection

Ventilation Procedures	The use of local exhaust ventilation is recommended to control mists or vapors. Additional ventilation or exhaust may be required to maintain air concentrations below exposure limits.
Respiratory Protection	Use NIOSH/OSHA approved full-face respirator with a combination organic vapor and high efficiency filter cartridge 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.
Hand Protection	Use chemical resistant gloves.
Eye Protection	Where contact may occur, wear safety glasses with side shields.
Clothing Recommendation	Wear either a chemical protective suit or apron when potential for contact with material exists. Use neoprene or nitrile rubber 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.

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## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

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Appearance	Clear
Odor	Characteristic of petroleum products
Kinematic Viscosity at 40°C, cSt	145.8
Kinematic Viscosity at 100°C, cSt	14.51
Density at 15°C. kg/L	0.8945
Flash Point, °C	252
pH	No data
Boiling Point, °C	No data
Melting Point, °C	No data
Vapor Pressure, kPa	No data
Vapor Density	No data
Solubility in Water	Insoluble
Evaporation Rate	No data
Flammability	Not flammable
Partition Coefficient	No data
Auto-ignition Temperature, °C	No data
Decomposition Temperature, °C	No data
Explosion limits	No data

### Other Information:

DMSO extract by IP346 : Less than 3.0 wt% (mineral oil component only)

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## SECTION 10: STABILITY AND REACTIVITY

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<b>Stability</b>	This product is stable and hazardous polymerization will not occur.
<b>Incompatibility</b>	Strong oxidizing agents
<b>Polymerization</b>	Not Applicable



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**SECTION 11: TOXICOLOGICAL INFORMATION**

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**Acute Toxicity**

Distillates (Petroleum) hydrotreated heavy paraffinic	Oral, LD50	>15000 mg/kg, rat
	Dermal, LD50	>5000 mg/kg, rabbit
	Inhalation, LC50	>2.18mg/L, rat
Residual oils (Petroleum), solvent dewaxed	Oral, LD50	>5000 mg/kg, rat
	Dermal, LD50	>5000 mg/kg, rabbit
	Inhalation, LC50	>mg/L, rat
Zinc alkyl dithiophosphate	Oral, LD50	>2600 mg/kg, rat
	Dermal, LD50	>3160 mg/kg, rabbit
	Inhalation, LC50	>2 mg/L, rat

**Skin Corrosion/Irritation** Minimally toxic. Negligible irritation at ambient temperatures.

**Serious Eye Damage/Irritation** May cause mild, short-lasting discomfort to eyes.

**Respiratory/Skin Sensitization** No data available.

**Germ Cell Mutagenicity** No data available.

**Aspiration Hazard** Minimal toxicity

**Reproductive Toxicity** No data available

**Carcinogenicity** Not carcinogenic; Not classified under IARC, OSHA, ACGIH, NTP, EU CLP (DMSO extract <3%)

**Specific Target Organ Toxicity** No available information

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**SECTION 12: ECOLOGICAL INFORMATION**

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**Ecotoxicity****Distillate (petroleum), Hydrotreated Heavy Paraffinic**

Fish (LC <sub>50</sub> /96-hour)	5000mg/L
Crustaceans (EC <sub>50</sub> /48-hour)	1000mg/L
Algae (EC <sub>50</sub> /96-hour)	1000mg/L

**Residual oils (Petroleum), Solvent Dewaxed**

Fish (LC <sub>50</sub> /96-hour)	>5000mg/L
Crustaceans (EC <sub>50</sub> /48-hour)	>1000mg/L

**Zinc Alkyl Dithiophosphate**

Fish (LC <sub>50</sub> /96-hour)	4.5mg/L
Crustaceans (EC <sub>50</sub> /48-hour)	5.4mg/L
Algae (EC <sub>50</sub> /96-hour)	2.1mg/L

**Environmental Mobility** Oil component of this product floats and can migrate from water to land.

**Environmental Degradability** Data have not been determined specifically for this product, but it is not expected that it will be "readily" biodegradable.



**Ecotoxicity & Bioaccumulation** Data have not been determined specifically for this product, but it is expected to be harmful to aquatic organisms.

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**SECTION 13: DISPOSAL CONSIDERATIONS**

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**Waste Disposal** Material, if discarded, is expected to be hazardous waste due to toxicity. Waste management should be in compliance with local and national regulations.

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**SECTION 14: TRANSPORT INFORMATION**

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**Air** (ICAO/IATA). This product is not regulated for air transport.

**Land** This product is not regulated for road/rail transport.

**Sea** IMDG (Packaged Goods and BLCs). This product is not regulated for sea transport.

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**SECTION 15: REGULATORY INFORMATION**

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Material is non-hazardous chemical under Occupational Safety and Health (Classification, Labeling, and Safety Data Sheet of Hazardous Chemicals) Regulations 2013

The chemical substances present in this product are listed under Philippine Inventory of Chemicals and Chemical Substances (PICCS).

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**SECTION 16: OTHER INFORMATION**

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**Approvals** Research and Development Department  
Petron Corporation

This safety data sheet contains the following revisions: **5**

This is a computer-generated form and does not require a signature.

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