

PETRON REV-X MULTIGRADE SAE 15W-40**SECTION 1: IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY**

Product Name	PETRON REV-X MULTIGRADE SAE 15W-40 (API CF-4/SG)
Manufacturer:	PETRON CORPORATION JESUS ST., PANDACAN, MANILA PHILIPPINES
Product Type	Petroleum Hydrocarbons with Additives
Recommended Use	Diesel Engine Oil
Telephone No.	(632) 8-884-9200
Website	www.petron.com

SECTION 2: HAZARDS IDENTIFICATION

GHS CLASSIFICATION Acute Toxicity, Oral: Category 5
Acute Toxicity, Dermal: Category 5

GHS LABELING

Pictogram No symbol

Signal Word Warning

Hazard Statement H303 Maybe harmful if swallowed
H332 Maybe harmful in contact with skin

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
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
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

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

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Composition	CAS Number	% Weight
Distillates (Petroleum) hydrotreated heavy paraffinic	64742-54-7	99
Zinc Alkyl Dithiophosphate	134759-18-5	< 1

In general, the product does not contain 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.

SECTION 4: FIRST AID MEASURES

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 and 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.

SECTION 5: FIRE-FIGHTING MEASURES

Flash Point, COC, °C	236
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 over-boil. 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 cleanup 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.
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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	Not available
Zinc Alkyl Dithiophosphate	134759-18-5	ACGIH ACGIH	5 mg/m ³ (TLV) 10 mg/m ³ (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.

Hand Protection

Use chemical resistant gloves.

Eye Protection

Where contact may occur, wear safety glasses with side shields.

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, poorly ventilated areas and for large spill clean-up sites.

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.

SECTION 9:**PHYSICAL AND CHEMICAL PROPERTIES**

Appearance

Clear



Odor	Characteristic of petroleum products
Kinematic Viscosity at 40°C, cSt	101.4
Kinematic Viscosity at 100°C, cSt	14.81
Density at 15°C, kg/L	0.8800
Flash Point, °C	236
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

SECTION 10: STABILITY AND REACTIVITY

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

SECTION 11: TOXICOLOGICAL INFORMATION

Basis for Assessment: Information given is based on data on the components and the toxicology of similar products.

Acute Oral Toxicity

Distillates (petroleum) hydrotreated heavy paraffinic	Oral, LD50	>15000 mg/kg (Rat)
	Dermal, LD50	>5000 mg/kg (Rabbit)
	Inhalation, LC50	2.18 mg/L, 4 h (Rat)
Zinc Alkyl Dithiophosphate	Oral, LD50	>2,600 mg/kg (Rat)
	Dermal, LD50	>3,160 mg/kg (Rabbit)
	Inhalation, LC50	>2 mg/l, 1 h (Rat)

Skin Corrosion/Irritation Low order of toxicity. Frequent or prolonged contact may cause mild skin discomfort.

Serious Eye Damage/Irritation No available information.

Respiratory/Skin Sensitization There was no evidence of skin sensitization when the product was applied to human skin.

Germ Cell Mutagenicity Not classified based on available data.



Aspiration Hazard	Minimal toxicity.
Reproductive Toxicity	No available information.
Carcinogenicity	EU classification of carcinogenicity of petroleum distillates used does not apply since product does not contain DMSO extract beyond 3% according to INCHEM.
Specific Target Organ Toxicity	No available information.

SECTION 12: ECOLOGICAL INFORMATION

Acute Toxicity	No data
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 not expected to be harmful to aquatic organisms.

SECTION 13: DISPOSAL CONSIDERATIONS

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

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.

SECTION 15: REGULATORY INFORMATION

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

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

SECTION 16: OTHER INFORMATION

Approvals	Research and Development Department Petron Corporation
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This safety data sheet contains the following revisions

2



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