

**PETRON BLAZE RACING BR 200 MULTIGRADE SAE 20W-40****SECTION 1: IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY**

Product Name	<b>PETRON BLAZE RACING BR 200 MULTIGRADE SAE 20W-40</b>
Manufacturer:	PETRON CORPORATION JESUS ST., PANDACAN, MANILA PHILIPPINES
Product Type	Petroleum Hydrocarbons with Additives
Recommended Use	Gasoline Engine Oil
Telephone No.	(02) 8-884-9200
Website	ww.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

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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	>99.0
Zinc alkyl dithiophosphate	134759-18-5	<1.0

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.

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**SECTION 4: FIRST AID MEASURES**

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<b>Eye Contact</b>	Immediately flush eyes with large amount of water for at least 15 minutes or until irritation subsides. If eye irritation persists, get prompt medical attention.
<b>Skin Contact</b>	Immediately flush with large amount of water; use soap if available. Remove contaminated clothing and shoes immediately, and launder before reuse.
<b>Ingestion</b>	If swallowed, DO NOT induce vomiting. If individual is conscious give 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.
<b>Inhalation</b>	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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<b>Flash Point, COC, °C</b>	246
<b>Extinguishing Media</b>	In case of fire use foam, carbon dioxide or dry chemical extinguishers.
<b>Special Fire-fighting Procedures</b>	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.
<b>Decomposition Products Under Fire Conditions</b>	Fumes, smoke, oxides of sulfur, nitrogen, carbon and other toxic gases may be formed.

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**SECTION 6: ACCIDENTAL RELEASE MEASURES**

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<b>Land Spill</b>	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
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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.

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## SECTION 7:

## HANDLING AND STORAGE

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### 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 of.

### 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.

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## SECTION 8:

## EXPOSURE CONTROLS AND PERSONAL PROTECTION

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### Exposure Controls

Components	CAS-No	Source	Value
Distillates (petroleum) hydrotreated heavy paraffinic	64742-54-7	ACGIH	Not available
Zinc alkyl dithiophosphate	134759-18-5	ACGIH	5mg/m <sup>3</sup> 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	104.2
Kinematic Viscosity at 100°C, cSt	13.62
Density at 15°C,kg/L	0.8687
Flash Point, °C	246
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

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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>	Hazardous polymerization will not occur.

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**SECTION 11: TOXICOLOGICAL INFORMATION**

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**Acute Toxicity**

Distillates (petroleum) hydrotreated heavy paraffinic	Oral, LD50	>5000 mg/kg (Rat)
	Dermal, LD50	>2000 mg/kg (Rabbit)
	Inhalation, LC50	2.18 mg/L, 4 hr (Rat)
Zinc Alkyl Dithiophosphate	Oral, LD50	>2,600 mg/kg (Rat)
	Dermal, LD50	>3,160 mg/kg (Rabbit)
	Inhalation, LC50	>2 mg/L, 1 hr (Rat)

<b>Skin Corrosion/Irritation</b>	No available information.
<b>Serious Eye Damage/Irritation</b>	No available information.
<b>Respiratory/Skin Sensitization</b>	No available information.
<b>Germ Cell Mutagenicity</b>	Not classified based on available data.



<b>Aspiration Hazard</b>	No available information.
<b>Reproductive Toxicity</b>	Not classified based on available data.
<b>Carcinogenicity</b>	EU classification of carcinogenicity of petroleum distillates used does not apply since product does not contain DMSO extract beyond 3% according to INCHEM.
<b>Specific Target Organ Toxicity</b>	No available information.

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**SECTION 12: ECOLOGICAL INFORMATION**

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**Acute Toxicity**

Distillates (petroleum) hydrotreated heavy paraffinic	
Fish (LC <sub>50</sub> / 96-hours)	>5000mg/L (Oncorhynchus)
Crustaceans (EC <sub>50</sub> / 48-hours)	1,000 mg/L (Daphnia magna)
Algae (EC <sub>50</sub> /96-hours)	>1000 mg/L (Scenedesmus)

Zinc Alkyl Dithiophosphate	
Fish (LC <sub>50</sub> / 96-hours)	4.5 mg/l (Oncorhynchus)
Crustaceans (EC <sub>50</sub> / 48-hours)	5.4 mg/l (Daphnia magna)
Algae (EbC <sub>50</sub> / 96-hours)	2.1 mg/l (green algae)

<b>Environmental Mobility</b>	Oil component of this product floats and can migrate from water to land.
<b>Environmental Degradability</b>	Data have not been determined specifically for this product, but it is not expected that it will be "readily" biodegradable.
<b>Ecotoxicity &amp; Bioaccumulation</b>	No available information.

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**SECTION 13: DISPOSAL CONSIDERATIONS**

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<b>Waste Disposal</b>	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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<b>Air</b>	(ICAO/IATA). This product is not regulated for air transport.
<b>Land</b>	This product is not regulated for road/rail transport.
<b>Sea</b>	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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<b>Approvals</b>	Research and Development Department Petron Corporation
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This safety data sheet contains the following revisions: 5

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