

PETRON BLAZE RACING BR 450 PREMIUM MULTIGRADE SAE 20W-50

SECTION 1:	IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY
Product Name	PETRON BLAZE RACING BR 450 PREMIUM MULTIGRADE SAE 20W-50
Manufacturer	PETRON CORPORATION San Miguel Head Office Complex 40 San Miguel Avenue, Mandaluyong City PHILIPPINES
Product Type	Petroleum Hydrocarbons with Additives
Recommended Use	Gasoline Engine Oil
Telephone No.	(02) 8-884-9200
Website	www.petron.com

SECTION 2: HAZARDS IDENTIFICATION

GHS CLASSIFICATION	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	Not Required
Signal Word	Warning
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

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Composition	CAS Number	% Weight
Distillates (Petroleum) hydrotreated heavy paraffinic	64742-54-7	80 - 98
Zink Alkyl Dithiophosphate	134759-18-15	1.5-2.0

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.

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, 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.

SECTION 5: FIRE-FIGHTING MEASURES

Flash Point, COC, °C 238

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	5mg/m ³ (TWA)
		ACGIH STEL	10mg/m ³ (STEL)
		OSHA PEL	5mg/m ³ (TWA)
Zink Alkyl Dithiophosphate	134759-18-15	ACGIH	5mg/m ³ (TLV)
			10mg/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.



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.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Clear
Odor	Characteristic of petroleum products
Kinematic Viscosity at 40°C, cSt	148.2
Kinematic Viscosity at 100°C, cSt	17.99
Density at 15°C. kg/L	0.8714
Flash Point, °C	238
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)

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

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
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

SECTION 12: ECOLOGICAL INFORMATION

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

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

Zinc Alkyl Dithiophosphate

Fish (LC ₅₀ /96-hour)	4.5mg/L
Crustaceans (EC ₅₀ /48-hour)	5.4mg/L
Algae (EC ₅₀ /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.

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.



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 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).

SECTION 16: OTHER INFORMATION

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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