SAFETY DATA SHEET



Castrol POWER1 Racing 4T 10W-50

SECTION 1: Identification of the substance/mixture and of the company/undertaking

Product identifier Castrol POWER1 Racing 4T 10W-50

SDS # 464874 **Code** 464874-AR08

Relevant identified uses of the substance or mixture and uses advised against

Product use Engine Oils.

For specific application advice see appropriate Technical Data Sheet or consult our

company representative.

Manufacturer BP Lubricants USA Inc.

1500 Valley Road Wayne, NJ 07470

Telephone: +1-888-CASTROL

Supplier PAN AMERICAN ENERGY S.L., SUCURSAL

ARGENTINA AV. LEANDRO N. ALEM 1180

PISO 11 - C1001AAT

CIUDAD AUTÓNOMA DE BUENOS AIRES.

Consultas Técnicas 0800-888-8088

EMERGENCY HEALTH TELÉFONO PARA EMERGENCIAS (24 HORAS) CIQUIME: 0800-222-2933

INFORMATION: +1-800-424-9300 (CHEMTREC USA)

+1-703-527-3887 (CHEMTREC outside the US)

EMERGENCY TELEPHONE

NUMBER

SECTION 2: Hazards identification

Classification of the Not classified.

substance or mixture

GHS label elements

Signal word No signal word.

Hazard statements No known significant effects or critical hazards.

Precautionary statements

result in classification

Prevention
Response
Storage
Disposal

Other hazards which do not

Not applicable.
Not applicable.
Not applicable.
Not applicable.
None known.

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SECTION 3: Composition/information on ingredients

Substance/mixture

Mixture

Highly refined base oil (IP 346 DMSO extract < 3%). Proprietary performance additives.

Other means of identification

Not available.

Ingredient name	%	CAS number	
Distillates (petroleum), hydrotreated heavy paraffinic	≥75 - ≤90	64742-54-7	
Distillates (petroleum), solvent-dewaxed heavy paraffinic	≤3	64742-65-0	
Distillates (petroleum), hydrotreated light paraffinic	≤3	64742-55-8	
Distillates (petroleum), solvent-refined light paraffinic	≤3	64741-89-5	
Distillates (petroleum), solvent-dewaxed light paraffinic	≤3	64742-56-9	
Distillates (petroleum), solvent-dewaxed heavy paraffinic	≤3	64742-65-0	
Distillates (petroleum), hydrotreated heavy paraffinic	≤3	64742-54-7	
Distillates (petroleum), solvent-dewaxed light paraffinic	≤3	64742-56-9	

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

Occupational exposure limits, if available, are listed in Section 8.

SECTION 4: First aid measures

Description of necessary first aid measures

Eye contact In case of contact, immediately flush eyes with plenty of water for at least 15

minutes. Eyelids should be held away from the eyeball to ensure thorough rinsing.

Check for and remove any contact lenses. Get medical attention.

Skin contact Wash skin thoroughly with soap and water or use recognized skin cleanser.

Remove contaminated clothing and shoes. Wash clothing before reuse. Clean shoes thoroughly before reuse. Get medical attention if symptoms occur.

Inhalation If inhaled, remove to fresh air. Get medical attention if symptoms occur.

Ingestion Do not induce vomiting unless directed to do so by medical personnel. Get medical

attention if symptoms occur.

Protection of first-aidersNo action shall be taken involving any personal risk or without suitable training.

Most important symptoms/effects, acute and delayed

See Section 11 for more detailed information on health effects and symptoms.

Indication of immediate medical attention and special treatment needed, if necessary

Notes to physicianTreatment should in general be symptomatic and directed to relieving any effects.

Specific treatments No specific treatment.

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SECTION 5: Firefighting measures

Extinguishing media

Suitable extinguishing

media

In case of fire, use foam, dry chemical or carbon dioxide extinguisher or spray.

In a fire or if heated, a pressure increase will occur and the container may burst.

Unsuitable extinguishing

media

Do not use water jet.

Specific hazards arising

from the chemical

Hazardous thermal decomposition products

Combustion products may include the following: carbon oxides (CO, CO₂) (carbon monoxide, carbon dioxide)

Special protective actions for fire-fighters

No action shall be taken involving any personal risk or without suitable training. Promptly isolate the scene by removing all persons from the vicinity of the incident if

there is a fire.

Special protective equipment for fire-fighters

Fire-fighters should wear positive pressure self-contained breathing apparatus

(SCBA) and full turnout gear.

SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures

For non-emergency

personnel

No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Put on appropriate personal

protective equipment. Floors may be slippery; use care to avoid falling.

For emergency responders

If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the

information in "For non-emergency personnel".

Environmental precautions

Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

Methods and materials for containment and cleaning up

Small spill

Stop leak if without risk. Move containers from spill area. Absorb with an inert material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

Large spill

Stop leak if without risk. Move containers from spill area. Prevent entry into sewers, water courses, basements or confined areas. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations. Dispose of via a licensed waste disposal contractor.

SECTION 7: Handling and storage

Precautions for safe handling

Protective measures

Advice on general occupational hygiene

Put on appropriate personal protective equipment (see Section 8).

Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Wash thoroughly after handling. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

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SECTION 7: Handling and storage

Conditions for safe storage, including any incompatibilities

Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Store and use only in equipment/containers designed for use with this product. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

Not suitable

Prolonged exposure to elevated temperature

SECTION 8: Exposure controls/personal protection

Control parameters

Occupational exposure limits

Ingredient name	Exposure limits
istillates (petroleum), hydrotreated heavy paraffinic	Ministry of Labor, Employment and Social Security. Argentina (Resolution 295,11/2003) (Argentina). [Mineral oil] TWA: 5 mg/m³ 8 hours. Issued/Revised: 11/2003 Form: mist STEL: 10 mg/m³ 15 minutes. Issued/Revised: 11/2003 Form: mist
Distillates (petroleum), solvent-dewaxed heavy paraffinic	Ministry of Labor, Employment and Social Security. Argentina (Resolution 295,11/2003) (Argentina). [Mineral oil] TWA: 5 mg/m³ 8 hours. Issued/Revised: 11/2003 Form: mist STEL: 10 mg/m³ 15 minutes. Issued/Revised: 11/2003 Form: mist
Distillates (petroleum), hydrotreated light paraffinic	Ministry of Labor, Employment and Social Security. Argentina (Resolution 295,11/2003) (Argentina). [Mineral oil] TWA: 5 mg/m³ 8 hours. Issued/Revised: 11/2003 Form: mist STEL: 10 mg/m³ 15 minutes. Issued/Revised: 11/2003 Form: mist
Distillates (petroleum), solvent-refined light paraffinic	Ministry of Labor, Employment and Social Security. Argentina (Resolution 295,11/2003) (Argentina). [Mineral oil] TWA: 5 mg/m³ 8 hours. Issued/Revised: 11/2003 Form: mist STEL: 10 mg/m³ 15 minutes. Issued/Revised: 11/2003 Form: mist
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Distillates (petroleum), hydrotreated heavy paraffinic	Ministry of Labor, Employment and

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SECTION 8: Exposure controls/personal protection

Distillates (petroleum), solvent-dewaxed light paraffinic

Social Security. Argentina (Resolution 295,11/2003) (Argentina). [Mineral oil]

TWA: 5 mg/m³ 8 hours. Issued/Revised:

11/2003 Form: mist

STEL: 10 mg/m³ 15 minutes. Issued/

Revised: 11/2003 Form: mist

Ministry of Labor, Employment and Social Security. Argentina (Resolution 295,11/2003) (Argentina). [Mineral oil]

TWA: 5 mg/m³ 8 hours. Issued/Revised:

11/2003 Form: mist

STEL: 10 mg/m³ 15 minutes. Issued/

Revised: 11/2003 Form: mist

While specific OELs for certain components may be shown in this section, other components may be present in any mist, vapor or dust produced. Therefore, the specific OELs may not be applicable to the product as a whole and are provided for guidance only.

Biological exposure indices

No exposure indices known.

Appropriate engineering controls

All activities involving chemicals should be assessed for their risks to health, to ensure exposures are adequately controlled. Personal protective equipment should only be considered after other forms of control measures (e.g. engineering controls) have been suitably evaluated. Personal protective equipment should conform to appropriate standards, be suitable for use, be kept in good condition and properly maintained.

Your supplier of personal protective equipment should be consulted for advice on selection and appropriate standards. For further information contact your national organisation for standards.

Provide exhaust ventilation or other engineering controls to keep the relevant airborne concentrations below their respective occupational exposure limits. The final choice of protective equipment will depend upon a risk assessment. It is important to ensure that all items of personal protective equipment are compatible.

Environmental exposure controls

Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

Individual protection measures

Hygiene measures

Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

Eye/face protection

Skin protection

Hand protection

Safety glasses with side shields.

Wear protective gloves if prolonged or repeated contact is likely. Wear chemical resistant gloves. Recommended: Nitrile gloves. The correct choice of protective gloves depends upon the chemicals being handled, the conditions of work and use, and the condition of the gloves (even the best chemically resistant glove will break down after repeated chemical exposures). Most gloves provide only a short time of protection before they must be discarded and replaced. Because specific work environments and material handling practices vary, safety procedures should be developed for each intended application. Gloves should therefore be chosen in consultation with the supplier/manufacturer and with a full assessment of the working conditions.

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SECTION 8: Exposure controls/personal protection

Body protection Use of protective clothing is good industrial practice.

Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist

before handling this product.

Cotton or polyester/cotton overalls will only provide protection against light superficial contamination that will not soak through to the skin. Overalls should be laundered on a regular basis. When the risk of skin exposure is high (e.g. when cleaning up spillages or if there is a risk of splashing) then chemical resistant aprons

and/or impervious chemical suits and boots will be required.

Other skin protection Appropriate footwear and any additional skin protection measures should be

selected based on the task being performed and the risks involved and should be

approved by a specialist before handling this product.

Respiratory protection In case of insufficient ventilation, wear suitable respiratory equipment.

The correct choice of respiratory protection depends upon the chemicals being handled, the conditions of work and use, and the condition of the respiratory equipment. Safety procedures should be developed for each intended application. Respiratory protection equipment should therefore be chosen in consultation with the supplier/manufacturer and with a full assessment of the working conditions.

SECTION 9: Physical and chemical properties

The conditions of measurement of all properties are at standard temperature and pressure unless otherwise indicated.

Appearance

Physical state Liquid.
Color Brown.

Odor Not available.

Odor threshold Not available.

PH Not applicable.

Melting point/freezing point Not available.

Boiling point, initial boiling point, and boiling range

Flash point Closed cup: >200°C (>392°F) [Pensky-Martens]

Pour point -36 °C

Evaporation rate Not available.

Flammability Not applicable. Based on - Physical state

Lower and upper explosion limit/flammability limit

Vapor pressure

Not available.

Vapor Pressure at 20°C		Vapor pressure at 50°C			
mm Hg	kPa	Method	mm Hg	kPa	Method
<0.08	<0.011	ASTM D 5191			
<0.08	<0.011	ASTM D 5191			
<0.08	<0.011	ASTM D 5191			
<0.08	<0.011	ASTM D 5191			
<0.08	<0.011	ASTM D 5191			
	mm Hg <0.08 <0.08 <0.08 <0.08	mm Hg kPa <0.08 <0.011 <0.08 <0.011 <0.08 <0.011 <0.08 <0.011	mm Hg kPa Method <0.08	mm Hg kPa Method mm Hg <0.08	mm Hg kPa Method mm Hg kPa <0.08

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SECTION 9: Physical and chemical properties

paraffinic

Relative vapor density Not available.

Density <1000 kg/m³ (<1 g/cm³) at 15°C

Solubility(ies)

MediaResultWaterNot soluble

Partition coefficient: n-

octanol/water

Not applicable.

Not available.

Not available.

Viscosity

Kinematic: 112.4 mm²/s (112.4 cSt) at 40°C

Kinematic: 16.4 to 17.8 mm²/s (16.4 to 17.8 cSt) at 100°C

Particle characteristics

Median particle size Not applicable.

SECTION 10: Stability and reactivity

Reactivity No specific test data available for this product. Refer to Conditions to avoid and

Incompatible materials for additional information.

Chemical stability The product is stable.

Possibility of hazardous

reactions

Under normal conditions of storage and use, hazardous reactions will not occur. Under normal conditions of storage and use, hazardous polymerization will not

occur.

Conditions to avoidAvoid all possible sources of ignition (spark or flame).

Incompatible materials Reactive or incompatible with the following materials: oxidizing materials.

Hazardous decomposition

products

Under normal conditions of storage and use, hazardous decomposition products

should not be produced.

SECTION 11: Toxicological information

Information on toxicological effects

Aspiration hazard

Name	Result
☑istillates (petroleum), hydrotreated light paraffinic	ASPIRATION HAZARD - Category 1
Distillates (petroleum), solvent-refined light paraffinic	ASPIRATION HAZARD - Category 1
Distillates (petroleum), solvent-dewaxed light paraffinic	ASPIRATION HAZARD - Category 1
Distillates (petroleum), solvent-dewaxed heavy paraffinic	ASPIRATION HAZARD - Category 1
Distillates (petroleum), hydrotreated heavy paraffinic	ASPIRATION HAZARD - Category 1

Information on the likely routes of exposure

Routes of entry anticipated: Dermal, Inhalation, Eyes.

Potential acute health effects

Eye contact No known significant effects or critical hazards.

Skin contact Defatting to the skin. May cause skin dryness and irritation.

Inhalation Vapor inhalation under ambient conditions is not normally a problem due to low

vapor pressure.

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SECTION 11: Toxicological information

Ingestion No known significant effects or critical hazards.

Symptoms related to the physical, chemical and toxicological characteristics

Eye contact No specific data.

Skin contact Adverse symptoms may include the following:

irritation dryness cracking

InhalationNo specific data.IngestionNo specific data.

Delayed and immediate effects and also chronic effects from short and long term exposure

Short term exposure

Potential immediate

Not available.

effects

Potential delayed effects Not available.

Long term exposure

Potential immediate Not available.

effects

Potential delayed effects Not available.

Potential chronic health effects

General USED ENGINE OILS

Combustion products resulting from the operation of internal combustion engines contaminate engine oils during use. Used engine oil may contain hazardous components which have the potential to cause skin cancer. Frequent or prolonged contact with all types and makes of used engine oil must therefore be avoided and a

high standard of personal hygiene maintained.

CarcinogenicityNo known significant effects or critical hazards.MutagenicityNo known significant effects or critical hazards.TeratogenicityNo known significant effects or critical hazards.Developmental effectsNo known significant effects or critical hazards.Fertility effectsNo known significant effects or critical hazards.

Numerical measures of toxicity

Acute toxicity estimates

Route

Not available.

SECTION 12: Ecological information

Toxicity

Environmental effects No known significant effects or critical hazards.

Persistence and degradability

Expected to be biodegradable.

Bioaccumulative potential

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SECTION 12: Ecological information

This product is not expected to bioaccumulate through food chains in the environment.

Mobility in soil

Soil/water partition coefficient (Koc)

Not available.

Mobility

Spillages may penetrate the soil causing ground water contamination.

Other adverse effects

No known significant effects or critical hazards.

Other ecological information

Spills may form a film on water surfaces causing physical damage to organisms.

Oxygen transfer could also be impaired.

SECTION 13: Disposal considerations

Disposal methods

The generation of waste should be avoided or minimized wherever possible. Significant quantities of waste product residues should not be disposed of via the foul sewer but processed in a suitable effluent treatment plant. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

SECTION 14: Transport information

	ADR/RID	ADN	IMDG	IATA/ICAO
UN number	Not regulated.	Not regulated. Not regulated.		Not regulated.
UN proper shipping name	-	-	-	-
Transport hazard class(es)	-	-	-	-
Packing group	-	-	-	-
Environmental hazards	No.	No.	No.	No.
Additional information	-	-	-	-

Special precautions for user No

Not available.

Transport in bulk according to IMO instruments

Not available.

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SECTION 15: Regulatory information

International regulations

Chemical Weapon Convention List Schedules I, II & III Chemicals

Not listed.

Montreal Protocol

Not listed.

Stockholm Convention on Persistent Organic Pollutants

Not listed.

Rotterdam Convention on Prior Informed Consent (PIC)

Not listed.

UNECE Aarhus Protocol on POPs and Heavy Metals

Not listed.

Other regulations

Australia inventory (AIIC)
Canada inventory
China inventory (IECSC)
Japan inventory (CSCL)
Korea inventory (KECI)
All components are listed or exempted.

(PICCS)

Taiwan Chemical Substances Inventory

(TCSI)

United States inventory

(TSCA 8b)

REACH Status

All components are active or exempted.

All components are listed or exempted.

For the REACH status of this product please consult your company contact, as

identified in Section 1.

SECTION 16: Other information

History

Date of issue/Date of

revision

08/02/2021

02/23/2023.

Date of previous issue Prepared by

Product Stewardship

Key to abbreviations

ADN = European Provisions concerning the International Carriage of Dangerous

Goods by Inland Waterway

ADR = The European Agreement concerning the International Carriage of Dangerous

Goods by Road

ATE = Acute Toxicity Estimate BCF = Bioconcentration Factor

GHS = Globally Harmonized System of Classification and Labelling of Chemicals

IATA = International Air Transport Association

IBC = Intermediate Bulk Container

IMDG = International Maritime Dangerous Goods

MARPOL = International Convention for the Prevention of Pollution From Ships, 1973

as modified by the Protocol of 1978. ("Marpol" = marine pollution)

UN = United Nations

VOC = Volatile Organic Compound

Varies = may contain one or more of the following 64741-88-4, 64741-89-5, 64741-95-3, 64741-96-4, 64742-01-4, 64742-44-5, 64742-45-6, 64742-52-5, 64742-53-6, 64742-54-7, 64742-55-8, 64742-56-9, 64742-57-0, 64742-58-1,

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SECTION 16: Other information

64742-62-7, 64742-63-8, 64742-65-0, 64742-70-7, 72623-85-9, 72623-86-0, 72623-87-1

▼ Indicates information that has changed from previously issued version.

Notice to reader

All reasonably practicable steps have been taken to ensure this data sheet and the health, safety and environmental information contained in it is accurate as of the date specified below. No warranty or representation, express or implied is made as to the accuracy or completeness of the data and information in this data sheet.

The data and advice given apply when the product is sold for the stated application or applications. You should not use the product other than for the stated application or applications without seeking advice from BP Group.

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