

SAFETY DATA SHEET

CASTROL PREMIUM HEAVY DUTY

Infosafe No.: HYCRF
ISSUED Date : 16/08/2023
ISSUED by: Castrol Australia Pty Ltd

Section 1 - Identification

Product Identifier

CASTROL PREMIUM HEAVY DUTY

Product Code

467733-AU13

Company Name

Castrol Australia Pty Ltd (ABN 87 008 459 407)

Address

Level 17, 717 Bourke Street Docklands
VIC 3008 Australia

Telephone/Fax Number

Tel: +61 (03) 9268 4111

Emergency Phone Number

+61 2801 44558 (or 1800 14 14 74 within Australia), Technical Advice Helpline Number: 1300 557 998

Recommended use of the chemical and restrictions on use

Use of the substance/mixture:

Grease.

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

Other Names

Name	Product Code
CASTROL PREMIUM HEAVY DUTY	SDS NO. 467733

Additional Information

SDS no.: 467733

OTHER PRODUCT INFORMATION: Technical Advice Helpline Number: 1300 557 998

Section 2 - Hazard(s) Identification

GHS classification of the substance/mixture

Not classified as Hazardous according to the Globally Harmonised System of Classification and Labelling of Chemicals (GHS) including Work, Health and Safety Regulations, Australia.

Hazard Statement (s)

Not Applicable

Precautionary Statement – Prevention

Not Applicable

Precautionary Statement – Response

Not Applicable

Precautionary Statement – Storage

Not Applicable

Precautionary Statement – Disposal

Not Applicable

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Precautionary Statement – General

Not Applicable

Supplemental Information

Not applicable.

Other Information

Classification of the substance or mixture: Not classified.

Other hazards which do not result in classification:

None known.

Section 3 - Composition and Information on Ingredients

Ingredients

Name	CAS	Proportion
Base oil - unspecified	-	$\geq 75 - \leq 90$ %(w/w)

Other Information

Substance/mixture: Mixture

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

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.

The total concentration of ingredients in this product, reported or not in this section, is 100%.

Occupational exposure limits, if available, are listed in Section 8(Exposure Controls/Personal Protection).

Section 4 - First Aid Measures

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.

Skin

Wash skin thoroughly with soap and water or use recognised skin cleanser. Remove contaminated clothing and shoes. Wash clothing before reuse. Clean shoes thoroughly before reuse. Get medical attention if symptoms occur.

Eye

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.

Advice to Doctor

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

Note: High Pressure Applications

Injections through the skin resulting from contact with the product at high pressure constitute a major medical emergency. Injuries may not appear serious at first but within a few hours tissue becomes swollen, discoloured and extremely painful with extensive subcutaneous necrosis.

Surgical exploration should be undertaken without delay. Thorough and extensive debridement of the wound and underlying tissue is necessary to minimise tissue loss and prevent or limit permanent damage. Note that high pressure may force the product considerable distances along tissue planes.

Indication of immediate medical attention and special treatment needed if necessary

Specific treatments: No specific treatment.

Protection for First Aiders

No action shall be taken involving any personal risk or without suitable training.

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Most important symptoms/effects, acute, delayed and aggravated medical conditions

See Section 11 (Toxicological Information) for more detailed information on health effects and symptoms.

Section 5 - Firefighting Measures

Suitable Extinguishing Media

In case of fire, use water fog, alcohol resistant foam, dry chemical or carbon dioxide extinguisher or spray.

Unsuitable Extinguishing Media

Do not use water jet.

Hazards from Combustion Products

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

Special Protective Equipment for fire fighters

Fire-fighters should wear positive pressure self-contained breathing apparatus (SCBA) and full turnout gear.

Specific Methods

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.

Specific hazards arising from the chemical

No specific fire or explosion hazard.

Decomposition Temperature

Not available.

Section 6 - Accidental Release Measures

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 spilt material. Put on appropriate personal protective equipment. Floors may be slippery; use care to avoid falling.

For emergency responders: If specialised clothing is required to deal with the spillage, take note of any information in Section 8(Exposure Controls/Personal Protection) on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

Clean-up Methods - Small Spillages

Move containers from spill area. Vacuum or sweep up material and place in a designated, labelled waste container. Dispose of via a licensed waste disposal contractor.

Clean-up Methods - Large Spillages

Move containers from spill area. Approach the release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Vacuum or sweep up material and place in a designated, labelled waste container. Avoid creating dusty conditions and prevent wind dispersal. If emergency personnel are unavailable, contain spilt material. Suction or scoop the spill into appropriate disposal or recycling vessels, then cover spill area with oil absorbent. Dispose of via a licensed waste disposal contractor.

Environmental Precautions

Avoid dispersal of spilt 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).

Section 7 - Handling and Storage

Precautions for Safe Handling

Protective measures: Put on appropriate personal protective equipment (see Section 8(Exposure Controls/Personal Protection)).

Advice on general occupational hygiene: 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(Exposure Controls/Personal Protection) for additional information on hygiene measures.

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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(Stability and Reactivity)) and food and drink. Keep away from heat and direct sunlight. 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 unlabelled containers. Use appropriate containment to avoid environmental contamination.

Other Information

Not suitable: Prolonged exposure to elevated temperature.

Section 8 - Exposure Controls and Personal Protection

Occupational exposure limit values

Ingredient name: Base oil - unspecified

Exposure limits:

Safe Work Australia (Australia).

TWA: 5 mg/m³ 8 hours. Issued/Revised: 5/1995 Form: Mist

Biological Monitoring

No exposure indices known.

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.

Respiratory Protection

In case of insufficient ventilation, wear suitable respiratory equipment. For protection against metal working fluids, respiratory protection that is classified as "resistant to oil" (class R) or oil proof (class P) should be selected where appropriate. Depending on the level of airborne contaminants, an air-purifying, half-mask respirator (with HEPA filter) including disposable (P- or R-series) (for oil mists less than 50mg/m³), or any powered, air-purifying respirator equipped with hood or helmet and HEPA filter (for oil mists less than 125 mg/m³).

Where organic vapours are a potential hazard during metalworking operations, a combination particulate and organic vapour filter may be necessary.

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/manufacture and with a full assessment of the working conditions.

Eye and Face Protection

Safety glasses with side shields.

Hand Protection

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/manufacture and with a full assessment of the working conditions.

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

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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.

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.

Other Information

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.

Refer to standards:

Respiratory protection: AS/NZS 1715 and AS/NZS 1716

Gloves: AS/NZS 2161.1

Eye protection: AS/NZS 1336 and AS/NZS 1337

Section 9 - Physical and Chemical Properties

Properties	Description	Properties	Description
Form	Grease	Colour	Blue.
Odour	Mild	Melting Point	Not available.
Boiling Point	Not available.	Decomposition Temperature	Not available.
Solubility	Not available.	Solubility in Water	Not available.
pH	Not applicable.	Vapour Pressure	Not available.
Relative Vapour Density (Air=1)	Not available.	Evaporation Rate	Not available.
Odour Threshold	Not available.	Viscosity	Not available.
Partition Coefficient: n-octanol/water (log value)	Not available.	Density	900 kg/m ³ (0.9 g/cm ³) at 15°C
Flash Point	>240°C (Cleveland Open Cup) >464°F (Cleveland Open Cup)	Flammability	Not applicable. Based on - Physical state (solid, gas)
Auto-Ignition Temperature	Not available.	Explosion Limit - Upper	Not available.
Explosion Limit - Lower	Not available.	Initial boiling point and boiling range	Not available.
Relative Density	Not available.		

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 polymerisation will not occur.

Conditions to Avoid

Avoid all possible sources of ignition (spark or flame).

Incompatible Materials

Reactive or incompatible with the following materials: oxidising materials.

Hazardous Decomposition Products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

Section 11 - Toxicological Information

Toxicology Information

Information on likely routes of exposure: Routes of entry anticipated: Dermal, Inhalation.

Symptoms related to the physical, chemical and toxicological characteristics:

Eye contact: No specific data.

Inhalation: No specific data.

Skin contact:

Adverse symptoms may include the following:

irritation

dryness

cracking

Ingestion: No specific data.

Ingestion

No known significant effects or critical hazards.

Inhalation

No known significant effects or critical hazards.

Inhalation of oil mist or vapours at elevated temperatures may cause respiratory irritation.

Skin

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

Eye

No known significant effects or critical hazards.

Carcinogenicity

No known significant effects or critical hazards.

Mutagenicity

No known significant effects or critical hazards.

Chronic Effects

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Eye contact: Potential risk of transient stinging or redness if accidental eye contact occurs.

Inhalation: Inhalation of oil mist or vapours at elevated temperatures may cause respiratory irritation.

Skin contact: Prolonged or repeated contact can defat the skin and lead to irritation, cracking and/or dermatitis.

Ingestion: Ingestion of large quantities may cause nausea and diarrhoea.

General: No known significant effects or critical hazards.

Teratogenicity: No known significant effects or critical hazards.

Developmental effects: No known significant effects or critical hazards.

Fertility effects: No known significant effects or critical hazards.

Section 12 - Ecological Information

Persistence and degradability

Expected to be biodegradable.

Mobility

Soil/water partition coefficient (KOC): Not available.

Mobility: Spillages are unlikely to penetrate the soil.

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Bioaccumulative Potential

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

Other Information

Other ecological information: This product is unlikely to disperse in water.

Section 13 - Disposal Considerations

Waste Disposal

The generation of waste should be avoided or minimised 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 spilt material and runoff and contact with soil, waterways, drains and sewers.

Special Precautions for Incineration or Landfill

No additional special precautions identified.

Section 14 - Transport Information

UN Number

None Allocated

Proper Shipping Name

None Allocated

Transport Hazard Class

None Allocated

Special Precautions for User

Not available.

IATA UN Number

NCAD

IATA Proper Shipping Name

Not dangerous for conveyance under IATA code

IMDG UN Number

NCAD

IMDG Proper Shipping Name

Not dangerous for conveyance under IMO/IMDG code

Additional Information

ADG

UN number: Not regulated.

Environmental hazards: No.

IMDG

UN number: Not regulated.

Environmental hazards: No.

IATA

UN number: Not regulated.

Environmental hazards: No.

Section 15 - Regulatory Information

Regulatory Information

Standard Uniform Schedule of Medicine and Poisons:

Not regulated.

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Model Work Health and Safety Regulations - Scheduled Substances:

No listed substance

Montreal Protocol:

Not listed.

Stockholm Convention on Persistent Organic Pollutants:

Not listed.

Rotterdam Convention on Prior Informed Consent (PIC):

Not listed.

International lists:

National inventory:

REACH Status: For the REACH status of this product please consult your company contact, as identified in Section 1(Identification).

China inventory (IECSC): All components are listed or exempted.

Japan inventory (CSCL): All components are listed or exempted.

Korea inventory (KECI): All components are listed or exempted.

Taiwan Chemical Substances Inventory (TCSI): Not determined.

Poisons Schedule

Not Scheduled

Global Inventory Status

Country/Region Inventory	Status Description	Country/Region Inventory	Status Description
Australia (AICS/AIIC)	Australia inventory (AIIC) All components are listed or exempted.	Canada (DSL/NDSL)	All components are listed or exempted.
Philippines (PICCS)	All components are listed or exempted.	USA (TSCA)	All components are active or exempted.

Section 16 - Any Other Relevant Information

User Codes

User Title Label	User Codes
Wis Numbers	00378981
Wis Numbers	01381818
Wis Numbers	04993160

Signature of Preparer/Data Service

Prepared by: Product Stewardship

Other Information

Version: 2

Key to abbreviations:

ADG = Australian Dangerous Goods

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

LogPow = logarithm of the octanol/water partition coefficient

MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978.

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("Marpol" = marine pollution)

NOHSC = National Occupational Health and Safety Commission

REACH = Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation [Regulation (EC) No. 1907/2006]

STEL = Short term exposure limit

SUSMP = Standard Uniform Schedule of Medicine and Poisons

UN = United Nations

TWA = Time weighted average

VOC = Volatile Organic Compound

SADT = Self-Accelerating Decomposition Temperature

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

Procedure used to derive the classification:

Not classified.

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END OF SDS

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