



Castrol (U.K.) Limited

The Leading Lubricant Specialist

SAFETY DATA SHEET



1: IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND OF THE COMPANY / UNDERTAKING

Product Name: **Water Pump Grease**

Code: **1610-UK**

Application: Lubrication

Company: **Castrol (U.K.) Limited**

Address: Burmah Castrol House, Pipers Way, Swindon, Wiltshire, SN3 1RE

Telephone (24 hours): **01793 512712**

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2: COMPOSITION/INFORMATION ON INGREDIENTS

Composition: Highly refined mineral oil, thickener and additives

Hazardous Ingredient(s)	Symbol	Risk Phrases	Other Information	%
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This product contains ingredients classified as hazardous. However, they are NOT present in sufficient quantities to warrant classifying the product as hazardous

All constituents of this product are listed in EINECS (European Inventory of Existing Commercial Chemical Substances) or ELINCS (European List of New Chemical Substances) or are exempt.

Refer to Section 8 for Occupational Exposure Limits.

3: HAZARDS IDENTIFICATION

This product is NOT classified as hazardous

4: FIRST AID MEASURES

Eyes: Irrigate immediately with copious quantities of water for several minutes

Skin: Wash thoroughly with soap and water or suitable skin cleanser as soon as possible
If injected under the skin obtain medical attention urgently

Inhalation: Remove from exposure - unlikely to occur

Ingestion: Obtain medical attention urgently. Do NOT induce vomiting

5: FIRE FIGHTING MEASURES

Suitable Extinguishing Media: Carbon dioxide, powder, foam or water fog - Do not use water jets

Special Exposure Hazards: Irritant fumes

Special Protective Equipment: None

6: ACCIDENTAL RELEASE MEASURES

Personal Precautions: Spilt product presents a significant slip hazard
Environmental Precautions: Prevent entry into drains, sewers and water courses
Decontamination Procedures: Gather into containers. Dispose of as waste

7: HANDLING AND STORAGE

Handling: When handling a pressure grease gun avoid injecting grease under the skin
To avoid the possibility of skin disorders, repeated or prolonged contact with products of this type must be avoided. It is essential to maintain a high standard of personal hygiene

Storage: Never leave a container unsealed

8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational Exposure Limits:-

Substance	8 Hr. TWA	STEL	Source/Other Information
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Mineral oil (see Oil mist, mineral)	5mg/m ³	10mg/m ³	EH40
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Engineering Control Measures: None

Personal Protective Equipment: Avoid skin and eye contact. Wear impervious gloves (eg of PVC), in case of repeated or prolonged contact

9: PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Grease
Colour:	Brown
Odour:	Mild
Boiling Point/Range (°C):	Above 250
Melting Point/Range (°C):	100
Flash Point (closed, °C):	Above 180
Autoignition (°C):	Above 250
Vapour Pressure (kPa at 20°C):	Not determined
Relative Density (at 20°C):	Below 1.0
Water Solubility:	Insoluble
Fat Solubility:	Not determined

10: STABILITY AND REACTIVITY

Stability: Stable, will not polymerise
Conditions to Avoid: Temperatures (°C) above 150
Materials to Avoid: Strong oxidising agents
Hazardous Decomposition Products: Irritant fumes

11: TOXICOLOGICAL INFORMATION

The following toxicological assessment is based on a knowledge of the toxicity of the product's components
Expected oral LD₅₀, rat > 2g/kg. Expected dermal LD₅₀, rabbit > 2g/kg

Health Effects

On Eyes: May cause transient irritation
On Skin: Unlikely to irritate on brief or occasional exposure
By Inhalation: Low volatility makes inhalation unlikely at ambient temperatures
By Ingestion: May cause nausea, vomiting and diarrhoea
Chronic: Repeated and prolonged skin contact may lead to skin disorders
Other: Will cause severe tissue damage if injected under the skin

12: ECOLOGICAL INFORMATION

Environmental Assessment: When used and disposed of as intended, no adverse environmental effects are foreseen
Mobility: Involatile. Solid. Insoluble in water
Persistence and Degradability: Inherently biodegradable
Bioaccumulative Potential: Bioaccumulative based on logP values of constituents
Ecotoxicity: Not expected to be ecotoxic to fish/daphnia/algae
Not expected to be inhibitory to sewage bacteria

13: DISPOSAL CONSIDERATIONS

Disposal must be in accordance with local and national legislation.

Unused Product: Dispose of through an authorised waste contractor to a licensed site
May be incinerated
Used/Contaminated Product: As for Unused Product
Packaging: Must be disposed of through an authorised waste contractor

14: TRANSPORT INFORMATION

This product is NOT classified as dangerous for transport

15: REGULATORY INFORMATION

Hazard Label Data:-

This product is NOT classified as dangerous for supply in the UK

EC Directives: Waste Oil Directive, 87/101/EEC
Framework Waste Directive, 91/156/EEC
Statutory Instruments: Health & Safety at Work, etc. Act 1974
Consumer Protection Act 1987
Environmental Protection Act 1990
Codes of Practice: Waste Management. The Duty of Care

Guidance Notes:

Occupational skin diseases: health and safety precautions (EH 26)
Occupational exposure limits (EH 40)
Substances for use at work: the provision of information [HS(G)27]
Carcinogenicity of mineral oils (EH 58)
Skin cancer caused by oil [MS(B)5]
Save your skin! - Occupational Contact Dermatitis [MS(B)6]
Dermatitis - cautionary notice [SHW 367]
Effects of mineral oil on the skin [SHW 397]

The above publications are available from HMSO or HSE

16: OTHER INFORMATION

Castrol publication: Talking About Health and Safety - Lubricants and Allied Products

The data and advice given apply when the product is sold for the stated application or applications. The product is not sold as suitable for any other application. Use of the product for applications other than as stated in this sheet may give rise to risks not mentioned in this sheet. You should not use the product other than for the stated application or applications without seeking advice from us.

If you have purchased the product for supply to a third party for use at work, it is your duty to take all necessary steps to secure that any person handling or using the product is provided with the information in this sheet.

If you are an employer, it is your duty to tell your employees and others who may be affected of any hazards described in this sheet and of any precautions which should be taken.

Further copies of this Safety Data Sheet may be obtained from Castrol (U.K.) Limited.