



Castrol (U.K.) Limited

The Leading Lubricant Specialist



SAFETY DATA SHEET

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

Product Name: **Running-In Oil 2** Code: **4038-UK**
 Application: Engine lubrication.
 Company: **Castrol (U.K.) Limited**
 Address: Burmah Castrol House, Pipers Way, Swindon, Wiltshire, SN3 1RE
 Telephone (24 hours): **0793 512712** Fax: **0793 432872**

2: COMPOSITION/INFORMATION ON INGREDIENTS

Composition: Highly refined mineral oil 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.
 Inhalation: Remove from exposure.
 Ingestion: Obtain medical attention. 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: Soak up with inert absorbent or contain and remove by best available means.

7: HANDLING AND STORAGE

Handling: 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: No special precautions.

8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational Exposure Limits:-

Substance	8 Hr. TWA	STEL	Source/Other Information
Mineral oil (see Oil mist, mineral)	5mg/m ³	10mg/m ³	EH40

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.
Change contaminated clothing and clean before re-use.

9: PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Liquid
Colour:	Brown
Odour:	Mild
Boiling Point/Range (°C):	Above 200
Pour Point: (°C):	Below minus 21
Kinematic Viscosity @ 40°C (cSt):	82
Kinematic Viscosity @ 100°C (cSt):	10
Flash Point (closed, °C):	225
Autoignition (°C):	Above 250
Explosive Properties (%):	Not determined
Vapour Pressure (kPa at 20°C):	Below 0.1
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.

Health Effects

- On Eyes:** May cause transient irritation.
On Skin: Unlikely to cause harm on brief or occasional contact.
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: None known.
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12: ECOLOGICAL INFORMATION

- Environmental Assessment:** When used and disposed of as intended, no adverse environmental effects are foreseen.
- Mobility:** Involatile. Mobile liquid. 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.
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13: DISPOSAL CONSIDERATIONS

- Disposal must be in accordance with local and national legislation.
- Unused Product:** May be sent for reclamation.
- Used/Contaminated Product:** Dispose of through an authorised waste contractor to a licensed site.
May be incinerated.
- Packaging:** Must be disposed of through an authorised waste contractor.
May be steam cleaned and recycled.
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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).

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.

Castrol Advice Sheet: Used Engine Oil.

Since the previous issue the following sections have been amended: 9.

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.