

1. Identification of the substance/preparation and of the company/undertaking

Product name Aero HF585B
SDS # UK-1973, NL-01974, DE-18964, CH-5101
Product Use Hydraulic fluid
Supplier Castrol (U.K.) Limited
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2. Composition/information on ingredients

Highly refined mineral oil and additives.

Chemical name	CAS no.	%	EINECS / ELINCS.	Classification
Distillates (petroleum), hydrotreated middle	64742-46-7	50 - 100	265-148-2	Xn; R65

See Section 16 for the full text of the R Phrases declared above

Occupational Exposure Limit(s), if available, are listed in Section 8

3. Hazards identification

This preparation is not classified as dangerous according to Directive 1999/45/EC as amended and adapted.

Effects and symptoms

Eyes May cause mild eye irritation.
Skin Prolonged or repeated contact can defat the skin and lead to irritation and/or dermatitis.
Inhalation Inhalation of oil mist or vapours at elevated temperatures may cause respiratory irritation.
Ingestion Ingestion may cause gastrointestinal irritation and diarrhoea.

4. First-aid measures

Eye Contact In case of contact, immediately flush eyes with a copious amount of water for at least 15 minutes. Get medical attention if irritation occurs.
Skin contact 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 irritation develops.
Inhalation If inhaled, remove to fresh air. Get medical attention if symptoms appear.
Ingestion Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If large quantities of this material are swallowed, call a physician immediately.

5. Fire-fighting measures

Extinguishing Media

Suitable In case of fire, use water fog, foam, dry chemical or CO2 extinguisher or spray.
Not Suitable Do not use water jet.

Unusual fire/explosion Hazards This material is not explosive as defined by established regulatory criteria.

Special fire-fighting procedures None identified.

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

6. Accidental release measures

Personal Precautions	Immediately contact emergency personnel. Keep unnecessary personnel away. Use suitable protective equipment (Section 8). Follow all fire fighting procedures (Section 5).
Environmental precautions and cleanup methods	If emergency personnel are unavailable, contain spilled material. For small spills add absorbent (soil may be used in the absence of other suitable materials) scoop up material and place in a sealed, liquid-proof container for disposal. For large spills dike spilled material or otherwise contain material to ensure runoff does not reach a waterway. Place spilled material in an appropriate container for disposal. Minimize contact of spilled material with soils to prevent runoff to surface waterways. See Section 13 for Waste Disposal Information.
Personal Protection in Case of a Large Spill	Splash goggles. Full suit. Boots. Gloves. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

7. Handling and storage

Handling	Wash thoroughly after handling.
Storage	Keep container tightly closed. Keep container in a cool, well-ventilated area.

8. Exposure controls/personal protection

Ingredient Name	Occupational Exposure Limits
Highly refined mineral oi	EH40-OES (United Kingdom (UK)). TWA: 5 mg/m ³ Form: Oil mist, mineral STEL: 10 mg/m ³ Form: Oil mist, mineral
Control Measures	Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapours below their respective occupational exposure limits.
Hygiene measures	Wash hands after handling compounds and before eating, smoking, using lavatory, and at the end of day.
Personal protective equipment	
Respiratory system	None required; however, use of adequate ventilation is good industrial practice.
Skin and body	Avoid prolonged or repeated contact with skin
Hands	Wear protective gloves if prolonged or repeated contact is likely.
Eyes	Safety glasses with side shields.

9. Physical and chemical properties

Flash point	95 °C (CLOSED CUP)
Pour Point	-63 °C
Colour	Red.
Odour	Slight.
Odour threshold	Not available.
Physical state	Liquid.
Boiling point / range	>200 °C
Density	<1 g/cm ³ at 20 °C
Solubility	Insoluble in cold water.
Viscosity	kinematic at 40°C: 13.5 cSt kinematic: 5 cSt at 100°C

10. Stability and reactivity

Incompatibility with Various Substances	Reactive with oxidizing agents.
Hazardous Polymerization	Will not occur.

11. Toxicological information

Chronic toxicity

Carcinogenic effects No component of this product at levels greater than 0.1% is identified as a carcinogen by ACGIH, the International Agency for Research on Cancer (IARC) or the European Commission (EC).

12. Ecological information

Persistence/degradability	Inherently biodegradable
Environmental hazards	Not classified as dangerous.

13. Disposal considerations

Disposal Consideration / Waste information	Avoid contact of spilled material and runoff with soil and surface waterways. Consult an environmental professional to determine if local, regional or national regulations would classify spilled or contaminated materials as hazardous waste. Use only approved transporters, recyclers, treatment, storage or disposal facilities.
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14. Transport information

Not classified as hazardous for transport (ADR, RID, UN , IMO, IATA/ICAO).

15. Regulatory information

Label Requirements

Risk Phrases	This product is not classified according to the EU regulations.
EU Regulations	Classification and labeling have been performed according to EU directives 1999/45/EC and 67/548/EEC as amended and adapted.

Other Regulations

Inventories	AUSTRALIAN INVENTORY (AICS): Not listed
	CANADA INVENTORY (DSL): Not determined.
	CHINA INVENTORY (IECS): Not determined.
	EC INVENTORY (EINECS): In compliance.
	JAPAN INVENTORY (ENCS): Not determined.
	KOREA INVENTORY (ECL): Not determined.
	PHILIPPINE INVENTORY (PICCS): Not determined.
	US INVENTORY (TSCA): Listed on inventory.

16. Other information

Full text of R-phrases appearing in section 2	R65- Harmful: may cause lung damage if swallowed.
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HISTORY

Date of issue	01/08/2002.
Date of previous issue	30/07/2002.
Prepared by	Product Stewardship

Notice to Reader

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.

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