

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

Product name Honilo 982
SDS # UK-7516
Product Use Metalworking fluid - neat.
Supplier Castrol (U.K.) Limited
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 United Kingdom

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2. Composition/information on ingredients

Highly refined mineral oil and additives.

Chemical name	CAS no.	%	EINECS / ELINCS.	Classification
Gas oil - unspecified	64742-80-9	50 - 100	265-183-3	Xn; R65 R66 R53
Amines, C12-14-tert-alkyl, di-Bu phosphates	103213-64-5	0.1 - 1		Xn; R22 Xi; R36/38 N; R51/53

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 classified as dangerous according to Directive 1999/45/EC as amended and adapted.

Physical/chemical Hazards	Not classified as dangerous.
Human health hazards	Harmful: may cause lung damage if swallowed. Repeated exposure may cause skin dryness or cracking.
Environmental hazards	May cause long-term adverse effects in the aquatic environment.
Effects and symptoms	
Eyes	May cause eye irritation.
Skin	Prolonged or repeated contact can defat the skin and lead to irritation and/or dermatitis.
Inhalation	Vapors and aerosol can produce mucous membrane, nose and throat irritation.
Ingestion	Ingestion may cause gastrointestinal irritation and diarrhoea. Aspiration hazard if swallowed -- harmful or fatal if liquid is aspirated into lungs.

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	Immediately wash exposed skin with soap and water. 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	If swallowed, do NOT induce vomiting. Never give anything by mouth to an unconscious person. Aspiration hazard if swallowed- can enter lungs and cause damage. Obtain medical attention.

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.

Hazardous decomposition products These products are carbon oxides (CO, CO2).

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

Special fire-fighting procedures None identified.

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 Aspiration hazard if swallowed- can enter lungs and cause damage. Do not ingest. If ingested do not induce vomiting. Avoid prolonged or repeated contact with skin. Avoid contact of spilled material and runoff with soil and surface waterways. Wash thoroughly after handling.

Storage Keep container tightly closed. Keep container in a cool, well-ventilated area.

8. Exposure controls/personal protection

Ingredient Name

Gas oil - unspecified

Occupational Exposure Limits

EH40-OES (United Kingdom (UK)).

TWA: 5 mg/m³ Form: Oil mist, mineral

STEL: 10 mg/m³ 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. Local exhaust ventilation is preferred because it prevents contaminant dispersion into the work area by controlling it at its source.

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. Wear protective clothing if prolonged or repeated contact is likely.

Hands Wear protective gloves if prolonged or repeated contact is likely.

Eyes Safety glasses with side shields.

9. Physical and chemical properties

Autoignition temperature >200 °C

Flash point 130 °C (CLOSED CUP)

Explosion Limits LOWER: 0.8 %
UPPER: 7 %

Colour Straw colour.

Odour Mild

Odour threshold Not available.

Physical state Liquid.

Boiling point / range >250 °C

Density <1 g/cm³ at 20 °C

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Vapour pressure	<0.75 mmHg
Solubility	Insoluble in cold water.
Viscosity	kinematic at 40°C: 4.5 cSt

10. Stability and reactivity

Conditions to Avoid	High temperatures.
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.
Mobility	Nonvolatile. Liquid. Insoluble in water.
Environmental hazards	May cause long-term adverse effects in the aquatic environment.

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.
Hazardous Waste	This product is listed as Hazardous by the EU Directive on hazardous waste. Dispose of according to all national and local applicable regulations.

14. Transport information

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

15. Regulatory information

Label Requirements

Hazard symbol(s)



Indication of Danger

Harmful

Risk Phrases

R65- Harmful: may cause lung damage if swallowed.
R66- Repeated exposure may cause skin dryness or cracking.
R53- May cause long-term adverse effects in the aquatic environment.

Safety Phrases

S24- Avoid contact with skin.
S61- Avoid release to the environment. Refer to special instructions/Safety data sheets.
S62- If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.

Contains

Gas oil - unspecified 265-183-3

Restrictions to product use

Classification and labeling have been performed according to EU directives 1999/45/EC and 67/548/EEC as amended and adapted.
- Industrial applications.

Other Regulations

Inventories

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AUSTRALIAN INVENTORY (AICS): Not determined.

CANADA INVENTORY (DSL): Not determined.

CHINA INVENTORY (IECS): Not determined.

EC INVENTORY (EINECS): Listed on inventory.

JAPAN INVENTORY (ENCS): Not determined.

KOREA INVENTORY (ECL): Not determined.

PHILIPPINE INVENTORY (PICCS): Not determined.

US INVENTORY (TSCA): Not determined.

16. Other information

Full text of R-phrases appearing in section 2

R22- Harmful if swallowed.

R65- Harmful: may cause lung damage if swallowed.

R36/38- Irritating to eyes and skin.

R66- Repeated exposure may cause skin dryness or cracking.

R51/53- Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R53- May cause long-term adverse effects in the aquatic environment.

HISTORY

Date of issue

30/07/2002.

Date of previous issue

No Previous Validation.

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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