

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

1.1 Identification of the substance or preparation

Product name Honilo 987

SDS no. 452536

1.2 Use of the substance/preparation Metalworking fluid - neat.
For specific application advice see appropriate Technical Data Sheet or consult our company representative.

1.3 Company/undertaking identification

Supplier BP Petrolleri A.Ş.
Sarı Kanarya Sokak No:14 K2 Plaza
34742 Kozyatağı, İstanbul
TURKEY

Telephone: 0216 5712800
Fax: 0216 5712950

E-mail address MSDSadvice@bp.com

1.4 Emergency telephone number

EMERGENCY TELEPHONE NUMBER CASTROL DIRECT 0212 473 77 37
Carechem: +44 (0) 1235 239 670 (24 hours)

2. Composition/information on ingredients

Substance/preparation

Highly refined mineral oil and additives

Chemical name	CAS no.	%	EINECS / ELINCS.	Classification
Gas oil - unspecified	64742-46-7	50 - 100	265-148-2	Xn; R65
Amine neutralised phosphoric acid esters	96690-34-5	0.1 - 1	306-227-4	Xn; R22
				Xi; R36/38
				N; R51/53

See section 16 for the full text of the R-phrases declared above

[1] Substance classified with a health or environmental hazard

[2] Substance with a workplace exposure limit

[3] PBT-substance

[4] vPvB-substance

Occupational exposure limits, 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.

Human health hazards Harmful: may cause lung damage if swallowed.

See sections 11 and 12 for more detailed information on health effects and symptoms and environmental hazards.

4. First-aid measures

Eye contact In case of contact, immediately flush eyes with plenty 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 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. Get medical attention.

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

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5 . Fire-fighting measures

Extinguishing media

Suitable

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

Not suitable

Do not use water jet.

Hazardous decomposition products

Decomposition products may include the following materials:
carbon dioxide
carbon monoxide

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 positive pressure self-contained breathing apparatus (SCBA) and full turnout gear.

Fire hazards in the presence of various substances

Swarf fires - Neat metal working oils may fume, thermally decompose or ignite if they come into contact with red hot swarf. To minimise the generation of red hot swarf ensure that a sufficient flow of oil is correctly directed to the cutting edge of the tool to flood it throughout cutting operations. As an additional precaution swarf should be regularly cleared from the immediate area to prevent the risk of fire.

6 . Accidental release measures

Personal precautions

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. Avoid breathing vapour or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment (see section 8).

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).

Large spill

Stop leak if without risk. Move containers from spill area. Approach the release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see section 13). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilt product. Note: see section 1 for emergency contact information and section 13 for waste disposal.

Small spill

Stop leak if without risk. Move containers from spill area. Absorb with an inert material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

7 . Handling and storage

7.1 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. Wash thoroughly after handling. Concentrations of mist, fumes and vapours in enclosed spaces may result in the formation of explosive atmospheres. Excessive splashing, agitation or heating must be avoided. During metal working, solid particles from workpieces or tools will contaminate the fluid and may cause abrasions of the skin. Where such abrasions result in a penetration of the skin, first aid treatment should be applied as soon as reasonably possible. The presence of certain metals in the workpiece or tool, such as chromium, cobalt and nickel, can contaminate the metalworking fluid and as a result may induce allergic skin reactions.

7.2 Storage

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

7.3 Specific uses

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

8 . Exposure controls/personal protection

8.1 Occupational exposure limits

Ingredient name

No exposure limit value known.

ACGIH TLVs

Gas oil - unspecified

Occupational exposure limits

ACGIH (United States).

STEL: 10 mg/m³ 15 minute(s). Form: Oil mist, mineral
TWA: 5 mg/m³ 8 hour(s). Form: Oil mist, mineral

For information and guidance, the ACGIH values are included. For further information on these please consult your supplier.

Whilst specific OELs for certain components may be shown in this section, other components may be present in any mist, vapour or dust produced. Therefore, the specific OELs may not be applicable to the product as a whole and are provided for guidance only.

8.2 Exposure controls

8.2.1 Occupational exposure controls

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.

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Hygiene measures

8.2.1.1 Respiratory protection

8.2.1.2 Hand protection

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.

None required. However, use of adequate ventilation is good industrial practice.

Wear protective gloves if prolonged or repeated contact is likely.

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

8.2.1.3 Eye protection

Safety glasses with side shields.

8.2.1.4 Skin protection

Wear appropriate clothing to avoid prolonged skin contact.

8.2.2 Environmental exposure controls

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.

9 . Physical and chemical properties

9.1 General information

9.1.1 Appearance

Physical state

Liquid.

Colour

Colourless.

9.1.2 Odour

Mild

9.2 Important health, safety and environmental information

Flash point

Open cup: >125°C (>257°F) [Cleveland.]

Auto-ignition temperature

>200°C (>392°F)

Viscosity

Kinematic: 4 mm²/s (4 cSt) at 40°C

Density

<1000 kg/m³ (<1 g/cm³) at 20°C

Solubility

insoluble in water.

9.3 Other information

Not available.

10 . Stability and reactivity

Stability

The product is stable.

10.1 Conditions to avoid

High temperatures

Possibility of hazardous reactions

Under normal conditions of storage and use, hazardous reactions will not occur.

10.2 Materials to avoid

Reactive or incompatible with the following materials: oxidizing materials.

10.3 Hazardous decomposition products

Combustion products may include the following:
carbon oxides

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

11 . Toxicological information

Chronic toxicity

Chronic effects

No known significant effects or critical hazards.

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

Vapours 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.

12 . Ecological information

12.1 Ecotoxicity

Environmental hazards

Not classified as dangerous.

12.2 Mobility

Non-volatile. Liquid. insoluble in water.

12.3 Persistence/degradability

Inherently biodegradable.

12.4 Bioaccumulative potential

Not available.

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13 . Disposal considerations

Disposal considerations / Waste information

The generation of waste should be avoided or minimised wherever possible. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe way. 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. Avoid dispersal of spill material and runoff and contact with soil, waterways, drains and sewers.

Refer to all national, regional, and local regulations for disposal requirements

14 . Transport information

Not classified as hazardous for transport (ADR/RID, ADN, IMDG, ICAO/IATA)

15 . Regulatory information

Classification and labelling have been performed according to EU directive 1999/45/EC as amended and adapted and Regulation on classification, packaging and labelling of Hazardous materials and preparations (26.12.2008-27092).

Label requirements

Hazard symbol or symbols



Harmful

Indication of danger

Risk phrases

R65- Harmful: may cause lung damage if swallowed.

Safety phrases

S24- Avoid contact with skin.

S62- If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.

Contains

Gas oil - unspecified

Other regulations

Europe inventory

All components are listed or exempted.

United States inventory (TSCA 8b)

All components are listed or exempted.

Australia inventory (AICS)

At least one component is not listed.

Canada inventory

At least one component is not listed.

China inventory (IECSC)

All components are listed or exempted.

Japan inventory (ENCS)

Not determined.

Korea inventory (KECI)

All components are listed or exempted.

Philippines inventory (PICCS)

All components are listed or exempted.

Additional information

16 . Other information

Full text of R-phrases referred to in sections 2 and 3

R22- Harmful if swallowed.

R65- Harmful: may cause lung damage if swallowed.

R36/38- Irritating to eyes and skin.

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

History

Date of issue/ Date of revision

15/11/2010.

Date of previous issue

11/03/2010.

Prepared by

Product Stewardship

Notice to reader

Indicates information that has changed from previously issued version.

All reasonably practicable steps have been taken to ensure this data sheet and the health, safety and environmental information contained in it is accurate as of the date specified below. No warranty or representation, express or implied is made as to the accuracy or completeness of the data and information in this data sheet.

The data and advice given apply when the product is sold for the stated application or applications. You should not use the product other than for the stated application or applications without seeking advice from us.

It is the user's obligation to evaluate and use this product safely and to comply with all applicable laws and regulations. The BP Group shall not

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be responsible for any damage or injury resulting from use, other than the stated product use of the material, from any failure to adhere to recommendations, or from any hazards inherent in the nature of the material. Purchasers of the product for supply to a third party for use at work, have a duty to take all necessary steps to ensure that any person handling or using the product is provided with the information in this sheet. Employers have a duty to tell employees and others who may be affected of any hazards described in this sheet and of any precautions that should be taken.

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