# PRODUCT SAFETY DATA SHEET



**Q8 Haydn (22-460)** 2002-10-16

### 1. PRODUCT AND COMPANY IDENTIFICATION

Product name: Q8 Havdn (22-460)

Grades: ISO VG 22, 32, 46, 68, 100, 150, 220, 320, 460

<u>Use:</u> Lubricating oil for hydraulic equipment

Company: Kuwait Petroleum International Lubricants (UK) Ltd.

Knowsthorpe Gate

Cross Green Industrial Estate Leeds LS9 0NP Telephone +44 113 2350 555

Emergency tel.no.: +44 113 2350 555

### 2. COMPOSITION / INFORMATION ON INGREDIENTS

No	Name	EC-No.	CAS-No.	%-mass	Symbol(s)	R Phrases
1	Severely solvent refined mineral oil (IP346 DMSO extract < 3 %)			± 99	-	-
2	Functional additives			< 1	Xi,N	R36/38,R51/53

No substances are present in concentrations regarded to present a hazard (Directive 1999/45/EC).

### 3. HAZARDS IDENTIFICATION

<u>Health:</u> Unlikely to cause eye irritation.

Unlikely to cause immediate irritation but prolonged and repeated contact may be harmful to the skin.

Not volatile. It is not likely to be an inhalation hazard at normal ambient temperatures. If overheated, fumes and vapours are slightly irritating to the breathing passages and lungs.

Ingestion is unlikely to cause adverse systemic health effects.

Environmental: Although no specific ecological hazards are expected and bioaccumulation is unlikely, spillage into the

environment should always be avoided.

Physical / Chemical: Not applicable

Additional Information: Injection under the skin of oil or grease under very high pressure is a serious emergency which should

immediately be referred to hospital. A copy of this data sheet should accompany the casualty to

hospital for the information of the medical staff.

## 4. FIRST AID MEASURES

Eyes: Flush the eye with copious amounts of water. No emergency measures are necessary but if

adverse eye effects follow, refer for medical attention.

Skin: Wash the contaminated skin thoroughly with soap and water. No emergency measures are

necessary but if adverse skin effects follow, refer for medical attention.

<u>Inhalation:</u> Remove the affected person to fresh air. If recovery is not rapid, obtain medical attention.

<u>Ingestion:</u> DO NOT INDUCE VOMITING. No emergency measures are needed but if adverse health effects

follow, refer for medical attention.

Additional Information: Injection under the skin of mineral oil or grease under very high pressure is a serious emergency requiring IMMEDIATE medical attention and hospitalization, even if initially there may be very

requiring INMEDIATE medical attention and nospitalization, even it initially there may be very little in the way of symptoms or signs to suggest this seriousness. Surgical exploration of the affected site with wide incision(s), careful debridement and irrigation of the damaged area should be undertaken at the slightest sign of actual presence of the oil under the skin. A conservative approach will inevitably lead to extensive necrosis of the subcutaneous tissues and structures. Especially vulnerable are the myelin sheaths of the nerves as these are rapidly dissolved by the

hydrocarbon leading to extensive and irreversible impairment.

Q8 Haydn (22-460) p.2/3

#### 5. FIREFIGHTING MEASURES

Dry chemical, foam, CO2, water mist. Extinguishing media: Recommended:

Direct water jet. Use water ONLY to keep fire-exposed containers cool. Not to be used:

Specific exposure hazards:

Storage:

Slight flammability hazard when exposed to heat or flame.

Special protective equipment for firefighters:

Use self-contained breathing equipment when fighting fire in confined spaces.

#### **ACCIDENTAL RELEASE MEASURES** 6.

Personal precautions: No special measures needed.

Environmental precautions: Water may be used to flush spills away from sources of ignition.

Do not allow the product to enter public drainage system or open water courses. Methods for cleaning up: Absorb and scrape up.

Sand or active clay. Absorbent materials:

#### 7. HANDLING AND STORAGE

Avoid prolonged or repeated skin contact. Handling:

Avoid inhalation of vapour, mist or fume. Do not wear contaminated clothing.

Keep containers tightly closed.

#### 8. **EXPOSURE CONTROLS / PERSONAL PROTECTION**

**Engineering measures:** No special measures needed.

TWA TLV (ACGIH): 5 mg/m³ for oil mist. However, in all circumstances exposure should be Control parameters:

kept as low as reasonably possible by good ventilation and safe working practices.

Respiratory protection: Inhalation of the vapours, fumes or mists should be avoided by safe working practices and good

ventilation.

If there is a risk of splashing while handling product, eye protection should be worn (e.g. full face Eye protection:

shield or goggles with side shields).

Hand/skin protection: Prolonged and repeated skin contact should be avoided by the use of clean gloves and clean

overalls.

PVC or nitrile gloves may be suitable.

#### 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state Oily liquid Colour Light yellow **Appearance** Bright & clear Odour Characteristic рΗ Neutral

Boiling range, °C Initial boiling point (oil base) > 300

Melting Point. °C < -12

Flash Point, °C > 190 (ASTM D92, COC)

Autoflammability/ ignition, °C > 300 (oil base) Upper explosion limit Not known Lower explosion limit Not known Vapour pressure, 20 °C, kPa < 0.01 (oil base)

Viscosity, kinematic, 40 °C, mm<sup>2</sup>/s Indicated by grade designation.

Relative density, 15 °C 0.87 - 0.90Water solubility Not soluble Partition coefficient, n-octanol/water Not known

Other data

10.

# STABILITY AND REACTIVITY

Conditions / materials to avoid: Stable. May react with strong oxidizing agents.

Hazardous decomposition products: Thermal decomposition or incomplete combustion may produce oxides of carbon

and irritating fumes.

Q8 Haydn (22-460) p.3/3

### 11. TOXICOLOGICAL INFORMATION

Eyes: Unlikely to cause eye irritation.

Skin: Although incidental contact with the skin does not cause immediate irritation, prolonged and repeated contact

may defat the skin and eventually cause dermatitis.

<u>Inhalation:</u> Not volatile. It is not likely to be an inhalation hazard at normal ambient temperatures.

If overheated, fumes and vapours are slightly irritating to the breathing passages and lungs.

<u>Ingestion:</u> Ingestion is unlikely to cause adverse systemic health effects.

Other: The refined mineral base oils used in the formulation of this product are of a low order of toxicity in test

animals.

LD50 (rat) for base oils is above 5 g/kg.

## 12. ECOLOGICAL INFORMATION

Mobility: Little mobility in soil. Some components may penetrate the soil causing ground water

pollution. Will spread on the water surface. A small portion may be dispersed in water.

<u>Degradability:</u> Not readily biodegradable.

<u>Ecotoxicity/bioaccumulation:</u> The base oil components are not expected to be dangerous to the aquatic environment.

Contains a small amount of additive components classified as dangerous to the aquatic

environment.

### 13. DISPOSAL CONSIDERATIONS

Transport to authorized waste location, or incinerate under controlled conditions (EU Directives 2000/76/EC and 1999/31/EC apply).

European Waste Catalogue Code 13 02 05: mineral-based non-chlorinated engine, gear and lubricating oils

### 14. TRANSPORT INFORMATION

UN-no: Not classified RID / ADR: Not classified IMO: Not classified IATA / ICAO: Not classified

Other:

# 15. REGULATORY INFORMATION

EC Labelling / Classification:

Symbol(s): None

Contains:

R phrases: None S phrases: None

Other regulations:

## 16. OTHER INFORMATION

Text of R-phrases indicated in section 2:

R 36/38: Irritating to eyes and skin.

R 51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Replaces sheet dated: 1999-08-23 Sections revised: 2-8-12-13-15-16

The information in this sheet has been compiled by Kuwait Petroleum Research & Technology B.V. of Rotterdam, Netherlands, on the basis of data available to them at the date stated above.

The information is for the guidance of customers of the Kuwait Petroleum group of companies (being all companies controlled directly or indirectly by Kuwait Petroleum Corporation of Safat, Kuwait) but is not intended as an exhaustive description of the health and safety aspects of the use of the product and in particular the information takes no account of possible abnormal reactions of individuals.

Customers are responsible for the proper storage, use and handling of the product and for determining whether the product is fit for the use to which it is put. The information does not describe health and safety aspects of the product once it has been misused or mishandled or when it is mixed with any other product. This document is in accordance with 2001/58/EC and ISO 11014-1.