

PRODUCT SAFETY DATA SHEET



Q8 Haydn (22-460)

2002-10-16

1. PRODUCT AND COMPANY IDENTIFICATION

Product name: Q8 Haydn (22-460)
Grades: ISO VG 22, 32, 46, 68, 100, 150, 220, 320, 460
Use: Lubricating oil for hydraulic equipment
Company: Kuwait Petroleum International Lubricants (UK) Ltd.
Knowsthorpe Gate
Cross Green Industrial Estate
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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

Health: 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.

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

Ingestion: 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 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.

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| 11. TOXICOLOGICAL INFORMATION |
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| <u>Eyes:</u> | Unlikely to cause eye irritation. |
| <u>Skin:</u> | 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. |
| <u>Other:</u> | 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 . |

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| 12. ECOLOGICAL INFORMATION |
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| <u>Mobility:</u> | 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. |

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| 13. DISPOSAL CONSIDERATIONS |
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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

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| 14. TRANSPORT INFORMATION |
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| <u>UN-no:</u> | Not classified |
| <u>RID / ADR:</u> | Not classified |
| <u>IMO:</u> | Not classified |
| <u>IATA / ICAO:</u> | Not classified |
| <u>Other:</u> | |

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| 15. REGULATORY INFORMATION |
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| <u>EC Labelling / Classification:</u> | |
| <u>Symbol(s):</u> | None |
| <u>Contains:</u> | |
| <u>R phrases:</u> | None |
| <u>S phrases:</u> | None |
| <u>Other regulations:</u> | |

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| 16. OTHER INFORMATION |
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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.