

PRODUCT SAFETY DATA SHEET



Q8 Rembrandt EP 2 & 3

2004-12-07

1. PRODUCT AND COMPANY IDENTIFICATION

Product name: Q8 Rembrandt EP 2 & 3
Grades: NLGI No. 2 & 3
Use: Lubricating grease
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 refined mineral oil with additives (IP346 DMSO extract < 3 %)..				-	-
2	Lithium soaps of fatty acids				-	-
3	Zinc naphthenate	234-409-2	12001-85-3	1 - 5	Xi	R36/38,R52/53

No substances are present in concentrations regarded to present a hazard (Directive 1999/45/EC).
The Symbols and R-phrases in section 2 apply only to individual constituents. See section 16 for the text of these R-phrases.

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 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:

5. FIREFIGHTING MEASURES

Extinguishing media: **Recommended:** Dry chemical, foam, CO2.
Not to be used: Direct water jet. Use water ONLY to keep fire-exposed containers cool.

Specific exposure hazards:
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.

6. ACCIDENTAL RELEASE MEASURES

<u>Personal precautions:</u>	Surfaces may become slippery after spillage.
<u>Environmental precautions:</u>	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.
<u>Methods for cleaning up:</u>	Absorb and scrape up.
<u>Absorbent materials:</u>	Sand or active clay.

7. HANDLING AND STORAGE

<u>Handling:</u>	Avoid prolonged or repeated skin contact. Use adequate ventilation.
<u>Storage:</u>	Store in original steel or plastic containers.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

<u>Engineering measures:</u>	No special measures needed.
<u>Control parameters:</u>	No internationally recognized exposure limit established. In all circumstances exposure should be kept as low as reasonably possible by good ventilation and safe working practices.
<u>Respiratory protection:</u>	Inhalation of the vapours, fumes or mists should be avoided by safe working practices and good ventilation.
<u>Eye protection:</u>	No special precautions are needed beyond clean working conditions and safe handling practices.
<u>Hand/skin protection:</u>	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
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Physical state	:	Grease
Colour	:	Light brown
Appearance	:	Smooth
Odour	:	Mineral oil
pH	:	Neutral
Boiling range, °C	:	Initial boiling point (oil base) > 250
Melting Point, °C	:	Not applicable
Flash Point, °C	:	> 150 (ASTM D 92, COC)
Autoflammability/ ignition, °C	:	Not known
Upper explosion limit	:	Not known
Lower explosion limit	:	Not known
Vapour pressure, 20 °C, kPa	:	Negligible
Viscosity, kinematic, 40 °C, mm ² /s	:	Not applicable
Relative density, 15 °C	:	< 1.00
Water solubility	:	Negligible
Partition coefficient, n-octanol/water	:	Not known
Other data	:	
	:	

10. STABILITY AND REACTIVITY

<u>Conditions / materials to avoid:</u>	Stable. May react with strong oxidizing agents.
<u>Hazardous decomposition products:</u>	Thermal decomposition or incomplete combustion may produce oxides of carbon and irritating fumes.

11. TOXICOLOGICAL INFORMATION

<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 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 .

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.

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 08 99:oil wastes not otherwise specified

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>	

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>	Safety data sheet available for professional user on request.

16.	OTHER INFORMATION
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Text of R-phrases indicated in section 2:
R 36/38: Irritating to eyes and skin.
R 52/53: Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

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.