Rix XIR 15w/40

1. Product and Company Identification

Product name: Rix XIR 15w/40

Grades: SAE 15W-40

Use: Lubricating oil for automotive engines

Company:

Rix Petroleum Limited
Witham House
45 Spyvee Street
Hull
HU8 7JR

Telephone No: (Hull) 01482 224422

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 %)			Ca. 92	-	-
2	Zinc alkyldithiophosphate	272-028-3	68649-42-3	0.5 - 1.5	Xi,N	R38, R41, R51/53 R41,R51/53
3	Calcium sulphonates & phenates				-	-
4	Hydrocarbon polymers				-	-

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: USED engine crankcase oil contains harmful contaminants. In laboratory tests, prolonged and repeated applications of USED crankcase oil to the skin of mice, have caused skin cancer. Therefore extra care should be taken, by the use of protective clothing and good personal hygiene, to avoid prolonged, excessive or repeated skin contact with USED engine oil.

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. FIRE FIGHTING MEASURES

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

Personal precautions:	Avoid prolonged or repeated skin contact.
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.
Absorbent materials:	Sand or active clay.

7. HANDLING AND STORAGE

Handling:	Avoid prolonged or repeated skin contact. Avoid inhalation of vapour, mist or fume. Do not wear contaminated clothing.
Storage:	Keep containers tightly closed.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering measures:	No special measures needed.
Control parameters:	TWA TLV (ACGIH) : 5 mg/m³ for oil mist. However, in all circumstances exposure should be 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.
Eye protection:	If there is a risk of splashing while handling product, eye protection should be worn (e.g. full face 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:	Brown
Appearance:	Bright & clear
Odour:	Weak
pH:	Slightly alkaline
Boiling range, °C:	Initial boiling point (oil base) > 300
Melting Point. °C:	- 24
Flash Point, °C:	192 (ASTM D93, P-M)
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, mm²/s:	102
Relative density, 15 °C:	0.89
Water 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.

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.
Inhalation:	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:	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.
Degradability:	Not readily biodegradable.
Ecotoxicity/bioaccumulation:	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:	Safety data sheet available for professional user on request.

16. OTHER INFORMATION

Text of R-phrases indicated in section 2:

R 38: Irritating to skin.
R 41: Risk of serious damage to eyes.
R 51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.