



SAFETY DATA SHEET

according to 1907/2006/EC, Article 31

Page 1/7

Rix Alto S-S Engine Oil 10W/40 Semi-synthetic

Revision 2

Revision date 2013-12-11

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product name	Rix Alto S-S Engine Oil 10W/40 Semi-synthetic
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1.3. Details of the supplier of the safety data sheet

Company	Rix Petroleum Limited
Address	Witham House 45 Spyvee Street Hull HU8 7JR United Kingdom

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Main hazards	No Significant Hazard
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2.2. Label elements

Risk phrases	The product is classified in accordance with 67/548/EEC.
	No Significant Hazard.

2.3. Other hazards

Other hazards	No other known hazards.
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Further information

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Print date 2013-12-11

Rix Alto S-S Engine Oil 10W/40 Semi-synthetic

Revision 2

Revision date 2013-12-11

SECTION 3: Composition/information on ingredients

3.2. Mixtures

67/548/EEC / 1999/45/EC

Chemical Name	Index No.	CAS No.	EC No.	REACH Registration Number	Conc. Classification (%w/w)
BASE OLAZ		74869-22-0	278-012-2		90 - 100%
ZINC ALKYL DITHIOPHOSPHATE			272-028-3		0.5 - 1% Xi; R38-41 N; R51/53

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation	Do not breathe vapours.
Eye contact	Irritating to eyes. Rinse immediately with plenty of water for 15 minutes holding the eyelids open.
Skin contact	Seek medical attention if irritation or symptoms persist.
Ingestion	Irritating to skin. Wash off immediately with plenty of soap and water. Remove contaminated clothing. Seek medical attention if irritation or symptoms persist.
	Ingestion may cause nausea and vomiting. Seek medical attention if irritation or symptoms persist. DO NOT INDUCE VOMITING.

4.2. Most important symptoms and effects, both acute and delayed

Skin contact	May cause irritation to skin and eyes.
Ingestion	DO NOT INDUCE VOMITING. Ingestion may cause nausea and vomiting.

4.3. Indication of any immediate medical attention and special treatment needed

Skin contact	Wash with soap and water.
Ingestion	If you feel unwell, seek medical advice (show the label where possible).

Further information

	No action shall be taken involving any personal risk or without suitable training.
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SECTION 5: Firefighting measures

5.1. Extinguishing media

	Use an extinguishing agent suitable for the surrounding fire. Carbon dioxide (CO ₂). Sand.
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5.2. Special hazards arising from the substance or mixture

Rix Alto S-S Engine Oil 10W/40 Semi-synthetic

Revision 2

Revision date 2013-12-11

	Burning produces irritating, toxic and obnoxious fumes. Do not allow runoff water to enter sewers or drains.
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5.3. Advice for firefighters

	Proper protective equipment including breathing apparatus must be worn when approaching a fire in a confined space. Do NOT use water jet.
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SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

	Ensure adequate ventilation of the working area. Wear suitable protective equipment.
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6.2. Environmental precautions

	Do not allow product to enter drains. Prevent further spillage if safe to do so.
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6.3. Methods and material for containment and cleaning up

	Absorb with inert, absorbent material. Sweep up. Transfer to suitable, labelled containers for disposal. Clean spillage area thoroughly with plenty of water.
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6.4. Reference to other sections

	Please always refer to sections 2 and 16.
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SECTION 7: Handling and storage

7.1. Precautions for safe handling

	Avoid contact with eyes and skin. Ensure adequate ventilation of the working area. Adopt best Manual Handling considerations when handling, carrying and dispensing. Temperature: 0 - 50 °C.
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7.2. Conditions for safe storage, including any incompatibilities

	Keep in a cool, dry, well ventilated area. Keep containers tightly closed. Store in correctly labelled containers.
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7.3. Specific end use(s)

	Please use this product as indicated in sections 1 and 2. If you are uncertain please contact us immediately as not using the product in the right way could be dangerous for your health and machinery.
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SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1. Exposure Limit Values


BASE OLAZ	WEL 8-hr limit ppm:	WEL 8-hr limit mg/m3: 5
	WEL 15 min limit ppm:	WEL 15 min limit mg/m3: 10

Rix Alto S-S Engine Oil 10W/40 Semi-synthetic

Revision 2

Revision date 2013-12-11

8.2. Exposure controls

<p>8.2.1. Appropriate engineering controls</p> <p>8.2.2. Individual protection measures</p> <p>Eye / face protection</p> <p>Skin protection - Handprotection</p> <p>Respiratory protection</p>	
	Ensure adequate ventilation of the working area.
	Wear chemical protective clothing.
	Approved safety goggles.
	Chemical resistant gloves (PVC).
Wear: Suitable respiratory equipment.	

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

State	Liquid
Colour	Amber
Odour	Slight
pH	Not applicable.
Melting point	No data available
Freezing Point	< -18
Boiling point	> 150
Flash point	220
Evaporation rate	5
Flammability limits	No data available
Vapour Flammability	No data available
Vapour pressure	0.5
Vapour density	1
Relative density	0.875 - 0.91
Fat Solubility	No data available
Partition coefficient	No data available
Autoignition temperature	< 320
Explosive	Stable under normal conditions
Oxidising	Not considered oxidising
Solubility	Immiscible in water

Rix Alto S-S Engine Oil 10W/40 Semi-synthetic

Revision 2

Revision date 2013-12-11

9.2. Other information

Conductivity	No data available
Surface tension	No data available
Pour point	-32
Gas group	No data available
Benzene Content	No data available
Lead content	No data available
VOC (Volatile organic compounds)	No data available

SECTION 10: Stability and reactivity

10.1. Reactivity

Stable under normal temperature conditions and recommended use.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

Do not mix the product with other materials.

10.4. Conditions to avoid

Store at temperatures between 0 °C and 50 °C.

10.5. Incompatible materials

Strong oxidising agents.

10.6. Hazardous decomposition products

Combustion or thermal decomposition could liberate carbon oxides and other toxic gases or vapours.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Skin corrosion/irritation Serious eye damage/irritation Respiratory or skin sensitisation Repeated or prolonged exposure	GENERAL INFORMATION. This product has low toxicity. Only large volumes may have adverse impact on human health.
	May cause sensitisation by skin contact.
	May cause temporary eye irritation.
	Unlikely to be hazardous by inhalation because of the low vapour pressure of the substance at ambient temperature.
	Prolonged or repeated contact with used oil may cause serious skin diseases, such as dermatitis and skin cancer.

Rix Alto S-S Engine Oil 10W/40 Semi-synthetic

Revision 2

Revision date 2013-12-11

11.1.4. Toxicological Information

BASE OLAZ	Inhalation Rat LC50/30min: >5.53 Oral Rat LD50: >5000	Dermal Rat LD50: >2000
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Information given is based on data on the components and the , Information given is based on data on the components and the toxicology of similar products.

SECTION 12: Ecological information

12.1. Toxicity

No data available

12.2. Persistence and degradability

The product contains a substance which is harmful to aquatic organisms and which may cause long term adverse effects in the aquatic environment.

12.3. Bioaccumulative potential

Bioaccumulation is unlikely to be significant because of the low water solubility of this product.

12.4. Mobility in soil

The product is non-volatile. The product is insoluble in water and will spread on the water surface.

12.5. Results of PBT and vPvB assessment

Not applicable.

12.6. Other adverse effects

May cause long-term adverse effects in the environment.

Further information

Information given is based on data on the components and the toxicology of similar products.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste Code : 13 XX XX OIL WASTES AND WASTES OF LIQUID FUELS (except edible oils, and those in chapters 05, 12 and 19) Code given as a guidance only it could vary from different products and the way they were used.

General information

Dispose of in compliance with all local and national regulations.

Disposal of packaging

Dispose of in compliance with all local and national regulations.

Rix Alto S-S Engine Oil 10W/40 Semi-synthetic

Revision 2

Revision date 2013-12-11

SECTION 14: Transport information

ADR/RID

The product is not classified as dangerous for carriage.

IMDG

The product is not classified as dangerous for carriage.

IATA

The product is not classified as dangerous for carriage.

Further information

The product is not classified as dangerous for carriage.

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

UK Regulatory References. Health and Safety at Work Act 1974. Statutory Instruments. The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (S.I 2009 No. 716). Approved Code Of Practice. Safety Data Sheets for Substances and Preparations. Guidance Notes. Workplace Exposure Limits EH40. EU Legislation. Dangerous Preparations Directive 1999/45/EC. Dangerous Substance Directive 67/548/EEC.

15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

SECTION 16: Other information

Other information

Revision

This document differs from the previous version in the following areas:

1 - Description.

2 - Further information.

9 - 9.1. Information on basic physical and chemical properties (Flash point).

9 - 9.2. Other information (Pour point).

Text of risk phrases in Section 3

R38 - Irritating to skin.

R41 - Risk of serious damage to eyes.

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

Further information

The information supplied in this Safety Data Sheet is designed only as guidance for the safe use, storage and handling of the product. This information is correct to the best of our knowledge and belief at the date of publication however no guarantee is made to its accuracy. This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any other process.