



SAFETY DATA SHEET

according to 1907/2006/EC, Article 31

Page 1/8

Rix Alto SYN-FD Engine Oil 5W/30 Fully Synthetic

Revision 1

Revision date 2013-12-09

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

1.1. Product identifier

Product name	Rix Alto SYN-FD Engine Oil 5W/30 Fully Synthetic
--------------	--

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
--------------	-----------------------

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.
---------------	-------------------------

Further information

--	--

Print date 2013-12-09

Rix Alto SYN-FD Engine Oil 5W/30 Fully Synthetic

Revision 1

Revision date 2013-12-09

SECTION 3: Composition/information on ingredients

3.2. Mixtures

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		1 - 10%	
Lubricating oils (petroleum), C20 - 50, hydrotreated neutral oil-based		72623-87-1	276-738-4		70 - 80%	
Zinc bis[O-(6-methylheptyl)] bis[O-(sec-butyl)] bis(dithiophosphate)			272-028-3		1 - 10%	Xi; R38-41 N; R51/53
Lubricating oils (petroleum), C20-C50 hydrotreated neutral oil-based		72623-87-1	276-738-4		1 - 10%	

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.
--	--

Rix Alto SYN-FD Engine Oil 5W/30 Fully Synthetic

Revision 1

Revision date 2013-12-09

SECTION 5: Firefighting measures

5.1. Extinguishing media

Use an extinguishing agent suitable for the surrounding fire. Carbon dioxide (CO₂). Sand.

5.2. Special hazards arising from the substance or mixture

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

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.

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.

6.2. Environmental precautions

Do not allow product to enter drains. Prevent further spillage if safe to do so.

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.

6.4. Reference to other sections

Please always refer to sections 2 and 16.

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.

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.

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.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Rix Alto SYN-FD Engine Oil 5W/30 Fully Synthetic


Revision 1

Revision date 2013-12-09

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
Lubricating oils (petroleum), C20 - 50, hydrotreated neutral oil-based	WEL 8-hr limit ppm:	WEL 8-hr limit mg/m3: 5
	WEL 15 min limit ppm:	WEL 15 min limit mg/m3:

8.2. Exposure controls

8.2.1. Appropriate engineering controls	
8.2.2. Individual protection measures	
Eye / face protection	
Skin protection -	
Handprotection	
Respiratory protection	
	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

9.1. Information on basic physical and chemical properties

State	Liquid
Colour	Amber
Odour	Mild
Melting point	-31
Freezing Point	-30
Boiling point	200
Flash point	225
Vapour pressure	0.1
Vapour density	1

Rix Alto SYN-FD Engine Oil 5W/30 Fully Synthetic

Revision 1

Revision date 2013-12-09

Relative density	0.83 - 0.9
Partition coefficient	7.8
Autoignition temperature	> 300
Viscosity	72.3
Explosive	Stable under normal conditions
Oxidising	Not considered oxidising
Solubility	Insoluble in water

9.2. Other information

Pour point	-45
------------	-----

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	GENERAL INFORMATION. This product has low toxicity. Only large volumes may have adverse impact on human health.
Serious eye damage/irritation	May cause sensitisation by skin contact.
Respiratory or skin sensitisation	May cause temporary eye irritation.
Repeated or prolonged exposure	Unlikely to be hazardous by inhalation because of the low vapour pressure of the substance at ambient temperature.

Rix Alto SYN-FD Engine Oil 5W/30 Fully Synthetic

Revision 1

Revision date 2013-12-09

Prolonged or repeated contact with used oil may cause serious skin diseases, such as dermatitis and skin cancer.

11.1.4. Toxicological Information

11.1.4. Toxicological Information

BASE OLAZ	Inhalation Rat LC50/30min: >5.53 Oral Rat LD50: >5000	Dermal Rat LD50: >2000
Lubricating oils (petroleum), C20-C50 hydrotreated neutral oil-based	Inhalation Rat LC50/4 h: 5.53 Dermal Rabbit LD50: >2000	Oral Rat LD50: >5000
Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based	Inhalation Rat LC50/4 h: 5.53 Dermal Rabbit LD50: >2000	Oral Rat LD50: >5000

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

SECTION 12: Ecological information

12.1. Toxicity

BASE OLAZ	Daphnia EC50/48h: 101.0000 mg/l Fish LC50/96h: 101.0000 mg/l	Algae IC50/72h: 101.0000 mg/l
Lubricating oils (petroleum), C20-C50 hydrotreated neutral oil-based	Fish LC50/96h: 100.0000 mg/l	Algae EC50/72h: 100
Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based	Fish LC50/96h: 100.0000 mg/l	Algae EC50/72h: 100

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

No data is available on this product. The product is non-volatile. The product is insoluble in water

Rix Alto SYN-FD Engine Oil 5W/30 Fully Synthetic

Revision 1

Revision date 2013-12-09

	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.
--	---

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

	<p>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.</p> <p>Dangerous Preparations Directive 1999/45/EC. Dangerous Substance Directive 67/548/EEC.</p>
--	---

15.2. Chemical safety assessment

Rix Alto SYN-FD Engine Oil 5W/30 Fully Synthetic

Revision 1

Revision date 2013-12-09

	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:
Text of risk phrases in Section 3	<p>9 - 9.1. Information on basic physical and chemical properties (Flash point).</p> <p>9 - 9.1. Information on basic physical and chemical properties (Autoignition temperature).</p> <p>9 - 9.2. Other information (Pour point).</p> <hr/> <p>R38 - Irritating to skin.</p> <p>R41 - Risk of serious damage to eyes.</p> <p>R51/53 - Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.</p>

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.
--	--