



# SAFETY DATA SHEET

according to 1907/2006/EC, Article 31

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## Rix Alto PD 505.01 Engine Oil 5W/40

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 PD 505.01 Engine Oil 5W/40
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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

	DMSO-content: <3% (according to IP346).
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**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		1 - 10%	
Lubricating oils (petroleum), C20 - 50, hydrotreated neutral oil-based		72623-87-1	276-738-4		60 - 70%	
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 Eye contact	Do not breathe dust or vapour.
	Irritating to eyes. Rinse immediately with plenty of water for 15 minutes holding the eyelids open.

## 4.1. Description of first aid measures

Skin contact	Seek medical attention if irritation or symptoms persist.
	Irritating to skin. Wash off immediately with plenty of soap and water. Remove contaminated clothing. Seek medical attention if irritation or symptoms persist.
Ingestion	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 oxides. Carbon dioxide (CO<sub>2</sub>). 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.

### 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.

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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 15 min limit ppm:	WEL 8-hr limit mg/m3: 5 WEL 15 min limit mg/m3: 10
Lubricating oils (petroleum), C20 - 50, hydrotreated neutral oil-based	WEL 8-hr limit ppm: WEL 15 min limit ppm:	WEL 8-hr limit mg/m3: 5 WEL 15 min limit mg/m3:

## 8.2. Exposure controls

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

**SECTION 9: Physical and chemical properties**

## 9.1. Information on basic physical and chemical properties

State	Liquid
Colour	Amber
Odour	Mild
pH	Not applicable.
Melting point	-34
Freezing Point	-33
Boiling point	> 200
Flash point	> 223

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Evaporation rate	No data available
Flammability limits	No data available
Vapour Flammability	No data available
Vapour pressure	< 0.1
Vapour density	> 1
Relative density	0.83 - 0.9
Fat Solubility	No data available
Partition coefficient	9.2
Autoignition temperature	> 320
Viscosity	93.05
Explosive	Stable under normal conditions
Oxidising	Not considered oxidising
Solubility	Insoluble in water

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## 9.2. Other information

Conductivity	No data available
Surface tension	No data available
Pour point	-40
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	<b>GENERAL INFORMATION.</b> 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.

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## 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

## 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.

## 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 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.

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## Further information

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

	Dispose of in compliance with all local and national regulations.
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## Disposal of packaging

	We recycle 205L and 1000L packaging.
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## SECTION 14: Transport information

## ADR/RID

	The product is not classified as dangerous for carriage.
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## IMDG

	The product is not classified as dangerous for carriage.
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## IATA

	The product is not classified as dangerous for carriage.
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## Further information

	The product is not classified as dangerous for carriage.
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## 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
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## 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

	Notes. Workplace Exposure Limits EH40. EU Legislation. Dangerous Preparations Directive 1999/45/EC. Dangerous Substance Directive 67/548/EEC.
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## 15.2. Chemical safety assessment

	No chemical safety assessment has been carried out.
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## SECTION 16: Other information

## Other information

Revision  Text of risk phrases in Section 3	This document differs from the previous version in the following areas: 2 - Further information.  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.
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## 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.
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