

MATERIAL SAFETY DATA SHEET

Product

Pirtek Bio Hydraulic Oil Range

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Date Oct. 2014

Revision 03

1 Identification of the Substance/Preparation and Company

Supplier: Pirtek (UK) Limited
Address: 199 Acton Park Estate, The Vale
Acton, London W3 7QS

Contact numbers: Telephone: 0208 749-8444
Fax: 0208 749-8333

E-mail address: info@Pirtek.co.uk

Product Name: PIRTEK Bio Hydraulic Oil Range
Identified Use: Hydraulic Systems

Revision summary: This Safety Data Sheet has been classified in compliance with EU 453/2010 and EC 1272/2008.

2 Hazards Identification

These products are not classified as hazardous under current UK Health and Safety and Environmental Legislation when used in the application for which they are intended.

Pressure Injection: Injection of all products may cause severe internal damage if not promptly treated.

Other Hazards: This product can burn when strongly heated. Hazardous decomposition products may be formed.

3 Composition/Information on Ingredients

General: Rapeseed Oil with performance enhancing additives

| Ingredient Name | % W/W | Classification | CAS No. | EINECS No. |
|--|-------|---------------------|--------------|------------|
| Amine Neutralised Phosphoric acid esters | < 0.1 | Xi:36/38 N:51/53 | | ----- |
| Alkylphenol | < 1.0 | Xi:36/37/38 N:52/53 | | ----- |
| Alkyl diaryl Amine | < 0.5 | N:R53 | | ----- |
| Alkyl Succinic acid semi-ester | < 0.5 | N:52/53 | | ----- |
| t-Alkyl Amines | < 0.1 | T:23/24 N50 | | 273-279-1 |
| Tolyltriazole | < 0.1 | Xn:22 N:52/53 | | 249-596-6 |
| Tri-n-butyl Phosphate | < 0.1 | Xn:22 | 015-014-00-2 | 204-800-2 |

4 First Aid Measures

Eyes: Rinse with plenty of water for at least 10 minutes and seek medical attention if symptoms persist.

Skin: Wash thoroughly with soap and water.

Inhalation: If inhalation of mist, fumes or vapour causes irritation to the nose or throat or coughing, remove to fresh air. If symptoms persist obtain medical advice.

Ingestion: Seek medical attention. DO NOT induce vomiting.

Pressure injection: ALWAYS OBTAIN IMMEDIATE MEDICAL ATTENTION EVEN THOUGH THE INJURY MAY APPEAR MINOR.

5 Fire Fighting Measures

Product not classified as flammable, but is inherently combustible.

Extinguishing Media: Use carbon dioxide, foam or water spray. Prevent water used in spray from entering Watercourses.

Not to be used: Direct water jet. (Use water only to keep fire exposed containers cool).

Fire Fighting In the event of a large fire self-contained breathing apparatus should be worn.

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6 Accidental Release Measures

Contain and collect spillage with help of absorbent materials such as floor granules. Protect drains from potential spills to minimise contamination. If spillage enters drains call Environment Agency Emergency hotline on 0800 807060.

7 Handling and Storage

Handling: Avoid skin and eye contact, and inhalation of vapour mist or fume. Wear impervious PVC Gloves and chemical grade eye protection and avoid mist or aerosol formation.

Storage: Product is supplied in metal or plastic containers. Store away from sources of strong heat and strong oxidising chemicals.

8 Exposure Controls/Personal protection

Respiratory Protection: Use HSE approved respiratory protective equipment where significant aerosol or vapour is generated.

Eye Protection: Wear protective chemical grade safety spectacles when handling heated product.

Skin Protection: Prolonged and repeated skin contact should be avoided by the use of clean gloves (PVC/Nitrile) and overalls.

9 Physical and Chemical Properties

| | 32 | 46 | 68 |
|--------------------------------|-------------|-------------|-------------|
| Density at 15°C: | 923 | 921 | 923 |
| Kinematic Viscosity at 40°C: | 35.5 | 45.8 | 67.6 |
| Kinematic Viscosity at 100°C: | 8.1 | 9.5 | 13.2 |
| Viscosity Index: | 199 | 198 | 201 |
| Biodegradability OECD 301 B %: | >95 | >95 | >95 |
| Pour point | No data | -33 | No data |
| Solubility in Water: | Not Soluble | Not Soluble | Not Soluble |

10 Stability and Reactivity

Hazardous Reactions: None known

Thermal Decomposition: Slow decomposition above 250°C

Hazardous Decomposition Products which can be formed on heating, Carbon monoxide, carbon dioxide, oxides of nitrogen and sulphur.

11 Toxicological Information

Eyes: Unlikely to cause more than transient stinging or redness if accidental eye contact occurs.

Skin: Unlikely to cause harm to the skin on brief or occasional contact, but prolonged or repeated exposure may lead to dermatitis.

Ingestion: At normal ambient temperatures, is unlikely to cause inhalation hazard because of low volatility.

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12 Ecological Information

| | |
|--------------------|--|
| Mobility: | Some components may penetrate the soil causing ground water contamination. |
| Degradability: | Readily biodegradable. |
| Bio accumulation: | No evidence to suggest bio accumulation will occur. |
| Aquatic Toxicity: | No Data available. |
| Bacteria Toxicity: | No Data Available |

13 Disposal Considerations

Place used and contaminated materials/packaging in suitable containers. Dispose of the controlled waste in accordance with Duty of Care regulations (Environmental Protection Act 1990-Section 34(7)) using a licensed waste disposal company. The product may be subject to the Hazardous waste Regulations 2005 concerning its disposal and any packaging contaminated with the product.

14 Transport Information

| | | | |
|----------------|-----|-------------------|-----|
| UN Number: | N/A | Packaging Group: | N/A |
| Shipping Name: | N/A | Marine Pollutant: | NO |
| IMO Class: | N/A | ICAO/IATA: | N/A |
| ADR/RID: | N/A | IMDG | N/A |

15 Regulatory Information

EC Directives: Framework Waste Directive, 91/156/EEC
Waste Oil Directive, 87/101/EEC

Statutory Instruments: The Health and Safety at Work, etc Act 1974

16 Other Information

The data and advice given apply when the product is sold for the stated application or applications. The product is not sold as suitable for any other application. Use of the product for any applications other than that as stated in this sheet may give rise to risks not mentioned in this sheet. You should not use the product other than for the stated application or applications without seeking advice from The manufacturer.

If you have purchased the product for supply to a third party for use at work, it is your duty to take all necessary steps to ensure that any person handling or using the product is provided with the information in this sheet.

If you are an employer, it is your duty to inform your employees and others who may be affected by any of the hazards described in this sheet and of any precautions which should be taken.

Risk Phrases: Full text R36/38 Irritating to eyes and skin
R51/53 Toxic to aquatic organisms, may cause long term adverse affects in the aquatic environment
R36/37/38 Irritating to eyes and skin and the respiratory system.
RR53 May cause long term adverse effects in the aquatic environment.
R23/24 Toxic by inhalation and in contact with the skin.
R22 Harmful if swallowed.

Guidance: Prevention of Dermatitis at work (INDG-233)
Assessing and Managing risks at work from skin exposed to Chemical agents (HSG 205).
Occupational Exposure Limits (EH40)
Effects of Mineral Oil on the Skin—Cautionary Notice.

The above are available from HMSO and HSE sources.

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All reasonable care has been taken to ensure that the information in this publication is accurate at the time of printing. However, although certain hazards may be described we cannot predict all hazards that may exist whilst using the product in a workplace.

This MSDS should be used as a component of a risk assessment which is the responsibility of the user of the product to prepare and record before use.

