

MATERIAL SAFETY DATA SHEET

Product

Pirtek Hydraulic HVI Range

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Date Oct. 2014

Revision 02

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 HVI Range
Identified Use: Hydraulic Systems

2 Hazards Identification

These products are not classified as hazardous under current UK Health & Safety and Environmental Legislation for the applications for which they are intended.

However prolonged or extensive skin contact with the product may result in skin disorders.

The risk of skin disorders may be increased if the product has become contaminated.

3 Composition/Information on Ingredients

Hazardous Ingredients

| Ingredient Name | % W/W | Classification | CAS No. | EINECS No. |
|---|-------|--------------------|---------|------------|
| Zinc Alkyldithiophosphate | <0.37 | Xi,N, R41, R51/53 | ----- | 272-028-3 |
| Ca Branched/linear Alkylphenate Salicylate Sulphide | <0.03 | Xi R43,R53 | ----- | 291-829-9 |
| Hindered Alkyl Phenol | <0.2 | Xi,N, R36/38,51/53 | ----- | ----- |
| Triaryl Phosphorothionate | <0.06 | R52/53 | ----- | ----- |
| Zinc dialkyl naphthinic sulphonate | <0.02 | Xi, R38,41,53 | ----- | ----- |
| Alkarylpolyether | <0.02 | R52/53 | ----- | ----- |

4 First Aid Measures

Eyes: Irrigate immediately with copious quantities of water. If irritation persists, seek medical Attention.

Skin: Wash thoroughly with soap and water.

Inhalation: Remove to fresh air. If effects persist, seek medical advice.

Ingestion: DO NOT INDUCE VOMITING. Wash mouth out with water & seek medical attention

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

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5 Fire Fighting Measures

- Flammability: Product not classified as flammable but is inherently combustible.
- Flash Point (°C,pmcc): All > 150
- Extinguishing Media: Use foam, dry powder, CO2. Use water fog to cool fire exposed surfaces.
- Products of Combustion: Oxides of Carbon

6 Accidental Release Measures

- Personal Precautions: Spilt product presents a significant slip hazard. Avoid exposure of the product to sources of ignition.
- Environmental Precautions: Prevent entry into drains, sewers and water courses.
- Decontamination Procedures: Soak up with inert absorbent or contain and remove by pumping or best available means. In case of spillage on water contain by a boom and collect by skimming or absorption.

7 Handling and Storage

- Keep containers tightly closed.
- Store drums undercover in racking protected from mechanical impact. If stored outside ingress of water should be avoided e.g. by placing containers on their side.
- Avoid sources of ignition.
- A bunded storage area may be required.
- Compatible with most common metals.
- May soften certain rubbers.
- If the product is to be heated avoid direct high temperature heat sources.

8 Exposure Controls/Personal protection

There are no assigned Workplace exposure limits for these products. However, it would be Good practice to be aware of the last OEL published for mineral oil.

| Occupational Exposure Limits: | <u>Substance</u> | <u>8-Hour TWA</u> | <u>STEL</u> | <u>Source/Other Information</u> |
|-------------------------------|--|--------------------|---------------------|---------------------------------|
| | Mineral Oil (see oil mist, mineral) | 5mg/m ³ | 10mg/m ³ | EH 40 |

Engineering Control: Local exhaust ventilation is recommended when excessive product misting occurs.

Personal Protection: Avoid skin and eye contact. Wear impervious gloves (e.g.. nitrile or PVC), in case of repeated or prolonged contact

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9 Physical and Chemical Properties

| | 15 | 22 | 32 | 46 | 68 |
|--|--------|--------|--------|--------|--------|
| Appearance: | Amber | Amber | Amber | Amber | Amber |
| Odour: | Slight | Slight | Slight | Slight | Slight |
| Boiling Point/Range (°C): | N/A | N/A | N/A | N/A | N/A |
| Pour Point (°C): | -38 | -38 | -39 | -38 | -37 |
| Flash Point (°C): | >150 | >150 | >150 | >150 | >150 |
| Autoflammability (°C): | N/A | N/A | N/A | N/A | N/A |
| Explosive Properties (%): | N/A | N/A | N/A | N/A | N/A |
| Relative Density (at 15°C): | 851 | 862 | 869 | 872 | 877 |
| Water Solubility: | Insol | Insol | Insol | Insol | Insol |
| Fat Solubility: | Sol | Sol | Sol | Sol | Sol |
| Kinematic Viscosity at 40°C mm ² s ⁻¹ | 15.5 | 22.2 | 30.1 | 45.2 | 70.7 |

PLEASE NOTE THAT THESE PROPERTIES DO NOT CONSTITUTE A SPECIFICATION

10 Stability and Reactivity

Stability: Stable, will not polymerise

Conditions to Avoid: Excessive heat:

Materials to Avoid: Strong oxidising agents

Hazardous

Decomposition Products: Irritant fumes. DO NOT breathe products of decomposition.

11 Toxicological Information

Health Effects

On Eyes: May cause transient irritation.

On Skin: Unlikely to cause harm on brief or occasional contact.

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By Inhalation: Low volatility makes inhalation unlikely at ambient temperatures.

By Ingestion: May cause nausea, vomiting and diarrhoea.

Chronic: Repeated and prolonged skin contact may lead to skin disorders.

Other: Products which have become contaminated in use or from external sources may present more serious health effects.

12 Ecological Information

Chemical Oxygen Demand (mgO₂/l): Not determined.

Mineral oils are inherently but not readily biodegradable.

Leaching and penetration of mineral oils through surface soils is generally regarded as resulting in long term persistence.

Fresh or used mineral oils may be harmful to aquatic life.

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.

14 Transport Information

Classification for transport: Not classified as hazardous for transport.

| | | | |
|----------------|-----|-------------------|-----|
| 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 | | |

15 Regulatory Information

Hazard Label Data: This product is not classified as dangerous for supply in the UK.

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
Consumer protection Act 1987

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Environmental Protection Act 1990
Control of Substances Hazardous to Health Regulations 2002
Chemicals (Hazard Information and Packaging for Supply) Regulations
2002

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)

R38: Irritating to skin
R41: Risk of serious damage to eyes
R43: May cause sensitisation by skin contact
R36/38: Irritating to eyes and skin
R52/53: May cause long term adverse effects in the environment
R51/53: Toxic to aquatic organisms, may cause long term effects
In the aquatic environment.

Approved Code of Practice: Waste Management Duty of Care.

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.

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.