



A Better Class of Oil

SAFETY DATA SHEET

according to 1907/2006/EC, Article 31

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Penrite Hypoid 80W-90

Revision 0

Revision date 2012-04-24

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

1.1. Product identifier

Product name Penrite Hypoid 80W-90

1.3. Details of the supplier of the safety data sheet

Company	Penrite Oil Company Ltd
Address	Hang Hill Works Bream Lydney Gloucestershire GL15 6HT United Kingdom
Telephone	+44 (0) 1594 562357
Fax	+44 (0) 1594 564234
Email address of the competent person	penrite.uk@penriteoil.com

1.4. Emergency telephone number

Emergency telephone number +44 (0) 1594 562357
8:00 - 16:30 BST

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

2.1.1. Classification - 1999/45/EC	R52/53 Symbols:
Main hazards	Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

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. (%w/w)	Classification
Highly refined solvent-neutral oil - 97 cSt @ 40 deg C					60 - 70%	
95 Solvent Brightstock					20 - 30%	
Mineral oil					1 - 10%	
Long-chain alkyl amine					0.5 - 1%	T; R23/24 C; R34 Xn; R22-48/20 Xi; R43 N; R50/53
Alkyl Phosphonate					0 - 0.5%	C; R34 Xi; R37 N; R51/53
Long-chain alkenyl amine					0 - 0.5%	C; R35 Xn; R22 N; R50
Pour Point Depressant					1 - 10%	

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SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation	May cause irritation to mucous membranes. Move the exposed person to fresh air.
Eye contact	May cause irritation to eyes. Rinse immediately with plenty of water for 15 minutes holding the eyelids open. Seek medical attention if irritation or symptoms persist.
Skin contact	May cause irritation 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 irritation to mucous membranes. DO NOT INDUCE VOMITING. Seek medical attention if irritation or symptoms persist.

SECTION 5: Firefighting measures

5.1. Extinguishing media

	Use extinguishing media appropriate to the surrounding fire conditions.
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5.2. Special hazards arising from the substance or mixture

	Burning produces irritating, toxic and obnoxious fumes.
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5.3. Advice for firefighters

	Wear suitable respiratory equipment when necessary.
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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.
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6.2. Environmental precautions

	Do not allow product to enter drains. Prevent further spillage if safe.
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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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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.
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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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SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1. Exposure Limit Values

95 Solvent Brightstock	WEL 8-hr limit ppm: -	WEL 8-hr limit mg/m3: 5
	WEL 15 min limit ppm: -	WEL 15 min limit mg/m3: 10
Highly refined solvent-neutral oil - 97 cSt @ 40 deg C	WEL 8-hr limit ppm: -	WEL 8-hr limit mg/m3: 5
	WEL 15 min limit ppm: -	WEL 15 min limit mg/m3: 5
Mineral oil	WEL 8-hr limit ppm: -	WEL 8-hr limit mg/m3: 5
	WEL 15 min limit ppm: -	WEL 15 min limit mg/m3: 10
Pour Point Depressant	WEL 8-hr limit ppm: No data available	WEL 8-hr limit mg/m3: No data available
	WEL 15 min limit ppm: No data available	WEL 15 min limit mg/m3: No data available

8.2. Exposure controls

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8.2. Exposure controls

8.2.2. Individual protection measures	Wear protective clothing.
Eye / face protection	In case of splashing, wear: Approved safety goggles.
Skin protection - Handprotection	Chemical resistant gloves (PVC).

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

State	No data available
Colour	No data available
Odour	No data available
pH	No data available
Melting point	No data available
Freezing Point	No data available
Boiling point	No data available
Flash point	No data available
Evaporation rate	No data available
Flammability limits	No data available
Vapour Flammability	No data available
Vapour pressure	No data available
Vapour density	No data available
Relative density	No data available
Fat Solubility	No data available
Partition coefficient	No data available
Autoignition temperature	No data available
Viscosity	No data available
Explosive	No data available
Oxidising	No data available
Solubility	No data available

9.2. Other information

Specific gravity	0.899 g/cm ³
Gas group	No data available
Benzene Content	No data available
Lead content	No data available
VOC (Volatile organic compounds)	No data available
Conductivity	No data available
Surface tension	No data available

SECTION 10: Stability and reactivity

10.2. Chemical stability

	Stable under normal conditions.
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SECTION 11: Toxicological information

11.1.4. Toxicological Information

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11.1.4. Toxicological Information

95 Solvent Brightstock	Oral Rat LD50: > 2 g/kg	
Alkyl Phosphonate	Oral Rat LD50: 3200 mg/kg	Dermal Rabbit LD50: 1990 mg/kg
Highly refined solvent-neutral oil - 97 cSt @ 40 deg C	Oral Rat LD50: >5000 mg/kg	Dermal Rabbit LD50: >3000 mg/kg
Long-chain alkyl amine	Oral Rat LD50: >500 mg/kg	Dermal Rabbit LD50: 1000 mg/kg
Mineral oil	Inhalation Rat LC50/4 h: >2.18 mg/l Dermal Rabbit LD50: >5000 mg/kg	Oral Rat LD50: >5000 mg/kg

SECTION 12: Ecological information

12.1. Toxicity

No data available

SECTION 13: Disposal considerations

General information

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.
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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

Labelling

Risk phrases

R52/53 - Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
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SECTION 16: Other information

Other information

Text of risk phrases in Section 3

<p>R22 - Harmful if swallowed.</p> <p>R23/24 - Toxic by inhalation and in contact with skin.</p> <p>R34 - Causes burns.</p> <p>R35 - Causes severe burns.</p> <p>R37 - Irritating to respiratory system.</p> <p>R43 - May cause sensitisation by skin contact.</p> <p>R48/20 - Harmful: danger of serious damage to health by prolonged exposure through inhalation.</p> <p>R50/53 - Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.</p> <p>R50 - Very toxic to aquatic organisms.</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.
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