

## 1. Identification of the substance/preparation and company/undertaking

<b>Product name</b>	<b>Hyspin Spindle Oil HS 2</b>
<b>SDS no.</b>	457373
<b>Historic SDS no.</b>	FR-457373, DK-457373, FI-336102, NO-336102, SE-336102, UK-6025
<b>Use of the substance/preparation</b>	Hydraulic systems. For specific application advice see appropriate Technical Data Sheet or consult our company representative.
<b>Supplier</b>	BP Fuels & Lubricants AS Postboks 153 - Skøyen Drammensveien 167 N-0212 Oslo Norge Tel: +47 22 51 12 20 Fax: +47 22 51 12 70
<b>EMERGENCY TELEPHONE NUMBER</b>	Carechem: +44 (0) 208 762 8322
<b>E-mail address</b>	MSDSadvice@bp.com

## 2. Hazards identification

This preparation is classified as dangerous according to Directive 1999/45/EC as amended and adapted.

<b>Physical/chemical hazards</b>	Not applicable.
<b>Human health hazards (Norway)</b>	Harmful: may cause lung damage if swallowed. Repeated exposure may cause skin dryness or cracking.
<b>Environmental hazards</b>	Not applicable.
<b>Additional hazards</b>	Note: High Pressure Applications Injections through the skin resulting from contact with the product at high pressure constitute a major medical emergency. See 'Notes to physician' under First-Aid Measures, Section 4 of this Safety Data Sheet.

See sections 11 and 12 for more detailed information on health effects and symptoms and environmental hazards.

## 3. Composition/information on ingredients

Hydrocarbon solvent and additives.

<b>Chemical name</b>	<b>CAS no.</b>	<b>%</b>	<b>EINECS / ELINCS.</b>	<b>Classification</b>
Kerosine - unspecified	64742-47-8	50 - 100	265-149-8	Xn; R65 R66 [1] [2]
Alkanes, C11-15-iso	90622-58-5	20 - 50	292-460-6	Xn; R65 R66 [1] [2]
Petroleum distillates	Proprietary	0.1 - 1		Xn; R65 R66 [1]
N-alkylated benzotriazoles, (Isomers - mixture)	94270-86-7 (80584-90-3 / 80595-74-0)	0.1 - 1	(279-503-4 / 279-514-4)	N; R51/53 Xi; R38 R43 [1] N; R51/53

See section 16 for the full text of the R-phrases declared above

[1] Substance classified with a health or environmental hazard

[2] Substance with a workplace exposure limit

[3] PBT-substance

[4] vPvB-substance

Occupational exposure limits, if available, are listed in section 8.

## 4. First-aid measures

<b>Eye contact</b>	In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention if irritation occurs.
<b>Skin contact</b>	Immediately wash exposed skin with soap and water. Remove contaminated clothing and shoes. Wash clothing before reuse. Clean shoes thoroughly before reuse. Get medical attention if irritation develops.
<b>Inhalation</b>	If inhaled, remove to fresh air. Get medical attention if symptoms appear.
<b>Ingestion</b>	If swallowed, do not induce vomiting. Never give anything by mouth to an unconscious person. Aspiration hazard if swallowed. Can enter lungs and cause damage. Get medical attention.

Note: High Pressure Applications

Injections through the skin resulting from contact with the product at high pressure constitute a major medical emergency. Injuries may not appear serious at first but within a few hours tissue becomes swollen, discoloured and extremely painful with extensive subcutaneous necrosis.

Surgical exploration should be undertaken without delay. Thorough and extensive debridement of the wound and underlying tissue is necessary to minimise tissue loss and prevent or limit permanent damage. Note that high pressure may force the product considerable distances along tissue planes.

## 5. Fire-fighting measures

### Extinguishing media

#### Suitable

In case of fire, use water fog, foam, dry chemical or carbon dioxide extinguisher or spray.

#### Not suitable

Do not use water jet.

### Hazardous decomposition products

Decomposition products may include the following materials:  
carbon dioxide  
carbon monoxide

### Unusual fire/explosion hazards

This material is not explosive as defined by established regulatory criteria.

### Special fire-fighting procedures

None identified.

### Protection of fire-fighters

Fire-fighters should wear positive pressure self-contained breathing apparatus (SCBA) and full turnout gear.

## 6. Accidental release measures

### Personal precautions

No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spill material. Shut off all ignition sources. No flares, smoking or flames in hazard area. Avoid breathing vapour or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment (see section 8).

### Environmental precautions

Avoid dispersal of spill material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

### Large spill

Stop leak if without risk. Move containers from spill area. Approach the release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see section 13). Use spark-proof tools and explosion-proof equipment. Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spill product. Note: see section 1 for emergency contact information and section 13 for waste disposal.

### Small spill

Stop leak if without risk. Move containers from spill area. Absorb with an inert material and place in an appropriate waste disposal container. Use spark-proof tools and explosion-proof equipment. Dispose of via a licensed waste disposal contractor.

## 7. Handling and storage

### Handling

Aspiration hazard if swallowed. Can enter lungs and cause damage. Do not ingest. If ingested, do not induce vomiting. Avoid prolonged or repeated contact with skin. Keep container closed. Do not breathe vapour or mist. Use only with adequate ventilation. Keep away from heat, sparks and flame. Wash thoroughly after handling. Concentrations of mist, fumes and vapours in enclosed spaces may result in the formation of explosive atmospheres. Excessive splashing, agitation or heating must be avoided.

### Storage

Keep container tightly closed. Keep container in a cool, well-ventilated area.

## 8. Exposure controls/personal protection

### Ingredient name

Kerosine - unspecified

### Occupational exposure limits

#### Arbeidstilsynet (Norway).

AN: 275 mg/m<sup>3</sup> 8 hour(s).

AN: 40 ppm 8 hour(s).

Alkanes, C11-15-iso

#### Arbeidstilsynet (Norway).

AN: 275 mg/m<sup>3</sup> 8 hour(s).

AN: 40 ppm 8 hour(s).

### ACGIH TLVs

Kerosine - unspecified

#### ACGIH TLV (United States). Absorbed through skin.

TWA: 200 mg/m<sup>3</sup> 8 hour(s).

#### ACGIH (United States).

STEL: 10 mg/m<sup>3</sup> 15 minute(s). Form: Mist

For information and guidance, the ACGIH values are included. For further information on these please consult your supplier.

Whilst specific OELs for certain components may be shown in this section, other components may be present in any mist, vapour or dust produced. Therefore, the specific OELs may not be applicable to the product as a whole and are provided for guidance only.

### Exposure controls

#### Occupational exposure controls

Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapours below their respective occupational exposure limits.

#### Hygiene measures

Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period.

### Personal protective equipment

#### Respiratory protection

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Use only with adequate ventilation.  
In case of insufficient ventilation, wear suitable respiratory equipment.  
Recommended: half-face mask - organic vapor filter (Type A).  
The correct choice of respiratory protection depends upon the chemicals being handled, the conditions of work and use, and the condition of the respiratory equipment. Safety procedures should be developed for each intended application. Respiratory protection equipment should therefore be chosen in consultation with the supplier/manufacturer and with a full assessment of the working conditions.

#### Hand protection

Wear suitable gloves. Chemical-resistant gloves. Recommended: Nitrile gloves.  
The correct choice of protective gloves depends upon the chemicals being handled, the conditions of work and use, and the condition of the gloves (even the best chemically resistant glove will break down after repeated chemical exposures). Most gloves provide only a short time of protection before they must be discarded and replaced. Because specific work environments and material handling practices vary, safety procedures should be developed for each intended application. Gloves should therefore be chosen in consultation with the supplier/manufacturer and with a full assessment of the working conditions.

#### Eye protection

Safety glasses with side shields.

#### Skin and body

Avoid contact with skin. Wear suitable protective clothing.

## 9 . Physical and chemical properties

### General information

#### Appearance

Physical state	Liquid.
Colour	Colourless.
Odour	Mild.

### Important health, safety and environmental information

Flash point	Closed cup: 75°C (167°F) [Pensky-Martens.]
Auto-ignition temperature	>200°C (>392°F)
Explosion limits	Lower: 0.6% Upper: 7%
Vapour pressure	<0.1 kPa (<0.75 mm Hg)
Viscosity	Kinematic: 2 mm <sup>2</sup> /s (2 cSt) at 40°C
Boiling point / range	200°C (392°F)
Density	<1000 kg/m <sup>3</sup> (<1 g/cm <sup>3</sup> ) at 20°C
Solubility	insoluble in water.

## 10 . Stability and reactivity

Stability	The product is stable.
Possibility of hazardous reactions	Under normal conditions of storage and use, hazardous reactions will not occur.
Conditions to avoid	High temperatures
Materials to avoid	Reactive or incompatible with the following materials: oxidizing materials.
Hazardous decomposition products	Combustion products may include the following: carbon oxides  Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## 11 . Toxicological information

Chronic toxicity	
Chronic effects	Prolonged or repeated contact can defat the skin and lead to irritation, cracking and/or dermatitis.
Effects and symptoms	
Eyes	May cause eye irritation.
Skin	Slightly irritating to the skin. Prolonged or repeated contact can defat the skin and lead to irritation and/or dermatitis. Note: High Pressure Applications Injections through the skin resulting from contact with the product at high pressure constitute a major medical emergency. See 'Notes to physician' under First-Aid Measures, Section 4 of this Safety Data Sheet.
Inhalation	Vapours and aerosol can produce mucous membrane, nose and throat irritation. Vapours may cause drowsiness and dizziness.
Ingestion	Ingestion may cause gastrointestinal irritation and diarrhoea. Aspiration hazard if swallowed -- harmful or fatal if liquid is aspirated into lungs.

## 12 . Ecological information

Persistence/degradability	Inherently biodegradable
Mobility	Volatile. Liquid. insoluble in water.
Environmental hazards	Not classified as dangerous.

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## 13 . Disposal considerations

### Disposal considerations / Waste information

The generation of waste should be avoided or minimised wherever possible. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe way. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Avoid dispersal of spill material and runoff and contact with soil, waterways, drains and sewers.

### Norway - Waste number

13 01 10\*

## 14 . Transport information

Not classified as hazardous for transport (ADR/RID, ADN, IMDG, ICAO/IATA)

## 15 . Regulatory information

Classification and labelling have been performed according to EU directives 1999/45/EC and 67/548/EEC as amended and adapted.

### Label requirements

#### Hazard symbol or symbols



Harmful

#### Indication of danger

#### Risk phrases

R65- Harmful: may cause lung damage if swallowed.  
R66- Repeated exposure may cause skin dryness or cracking.

#### Safety phrases

S23- Do not breathe vapour.  
S24- Avoid contact with skin.  
S51- Use only in well-ventilated areas.  
S62- If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.

#### Contains

Kerosine - unspecified

#### Additional warning phrases

Contains N-alkylated benzotriazoles, (Isomers - mixture). May produce an allergic reaction.

### Other regulations

#### Europe inventory

All components are listed or exempted.

#### United States inventory (TSCA 8b)

All components are listed or exempted.

#### Australia inventory (AICS)

All components are listed or exempted.

#### Canada inventory

All components are listed or exempted.

#### China inventory (IECSC)

All components are listed or exempted.

#### Japan inventory (ENCS)

All components are listed or exempted.

#### Korea inventory (KECI)

All components are listed or exempted.

#### Philippines inventory (PICCS)

All components are listed or exempted.

#### Carcinogenic class

Not classified.

## 16 . Other information

### Full text of R-phrases referred to in sections 2 and 3

R65- Harmful: may cause lung damage if swallowed.  
R38- Irritating to skin.  
R43- May cause sensitisation by skin contact.  
R66- Repeated exposure may cause skin dryness or cracking.  
R51/53- Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

### History

#### Date of issue/ Date of revision

22/10/2008.

#### Date of previous issue

No previous validation.

#### Prepared by

Product Stewardship Group

#### Notice to reader

Indicates information that has changed from previously issued version.

All reasonably practicable steps have been taken to ensure this data sheet and the health, safety and environmental information contained in it is accurate as of the date specified below. No warranty or representation, express or implied is made as to the accuracy or completeness of the data and information in this data sheet.

The data and advice given apply when the product is sold for the stated application or applications. You should not use the product other than for the stated application or applications without seeking advice from us.

It is the user's obligation to evaluate and use this product safely and to comply with all applicable laws and regulations. The BP Group shall not be responsible for any damage or injury resulting from use, other than the stated product use of the material, from any failure to adhere to recommendations, or from any hazards inherent in the nature of the material. Purchasers of the product for supply to a third party for use at work, have a duty to take all necessary steps to ensure that any person handling or using the product is provided with the information in this

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sheet. Employers have a duty to tell employees and others who may be affected of any hazards described in this sheet and of any precautions that should be taken.