Material Safety Data Sheet

1 . Identification of the material and supplier

Product name	**Pipe Spinning Oil PS 3**
SDS no.	461993
Product use	Lubricant For specific application advice see appropriate Technical Data Sheet or consult our company representative.
Supplier	BP Australia Pty Ltd (ABN 53 004 085 616) Melbourne Central, 360 Elizabeth Street, Melbourne, Victoria 3000, Australia Tel: +61 (03) 9268 4111 Fax: +61 (03) 9268 3321
EMERGENCY TELEPHONE NUMBER	+61 29032 0460 (or 1800 14 14 74 within Australia)
OTHER PRODUCT INFORMATION	Technical Help Line 1 300 139 700 (Local Call)
Product code	461993-AU15

2 . Hazards identification

Statement of hazardous/dangerous nature	HAZARDOUS SUBSTANCE. DANGEROUS GOODS.
Risk phrases	R10- Flammable. R65- Harmful: may cause lung damage if swallowed. R37/38- Irritating to respiratory system and skin. R43- May cause sensitisation by skin contact. R51/53- Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
Safety phrases	S23- Do not breathe vapour. S28- After contact with skin, wash immediately with plenty of soap and water. S36/37/39- Wear suitable protective clothing, gloves and eye/face protection. S51- Use only in well-ventilated areas. S61- Avoid release to the environment. Refer to special instructions/safety data sheet. S62- If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.

3 . Composition/information on ingredients

Kerosine. Proprietary performance additives.

Ingredient name	CAS no.	%
Kerosine - unspecified	64742-47-8	50 - 100
Rosin	8050-09-7	20 - 50
1,2,4-Trimethylbenzene	95-63-6	10 - 20
mesitylene	108-67-8	5 - 10
Cumene	98-82-8	5 - 10
xylene	1330-20-7	1 - 5
Naphthalene	91-20-3	0.1 - 1
Ethylbenzene	100-41-4	0.1 - 1

4 . First-aid measures

Eye contact	In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention if irritation occurs.
Skin contact	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 immediately.
Inhalation	If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention immediately.

Ingestion	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.
Advice to doctor	Treatment should in general be symptomatic and directed to relieving any effects.

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	Flammable liquid and vapour. Vapour may cause flash fire. Vapours may accumulate in low or confined areas or travel a considerable distance to a source of ignition and flash back. Runoff to sewer may create fire or explosion hazard.
Special fire-fighting procedures	DO NOT FIGHT FIRE WHEN IT REACHES MATERIAL. Withdraw from fire and let it burn. Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. First move people out of line-of-sight of the scene and away from windows.
Protection of fire-fighters	Fire-fighters should wear positive pressure self-contained breathing apparatus (SCBA) and full turnout gear.
Hazchem code	3Y

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 spilt 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 spilt 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). Water polluting material. May be harmful to the environment if released in large quantities.
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 spilt 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. Dilute with water and mop up if water-soluble or absorb with an inert dry 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 contact with skin and clothing. Do not get on skin or clothing. Use only with adequate ventilation. Avoid breathing vapour or mist. Keep away from heat, sparks and flame. To avoid fire or explosion, dissipate static electricity during transfer by earthing and bonding containers and equipment before transferring material. Use explosion-proof electrical (ventilating, lighting and material handling) equipment. Avoid contact of spilt material and runoff with soil and surface waterways. Wash thoroughly after handling.
Storage	Store in a segregated and approved area. Keep container in a cool, well-ventilated area. Keep container tightly closed and sealed until ready for use. Avoid all possible sources of ignition (spark or flame).
Additional information-Storage	This product must be handled in compliance with Australian Standard: The storage and handling of flammable and combustible liquids [Standard 1940-2004 as amended and adapted].

8 . Exposure controls/personal protection

Ingredient name	Occupational exposure limits
1,2,4-Trimethylbenzene	**ASCC (Australia).** TWA: 123 mg/m³ 8 hour(s). Issued/Revised: 5/1995 TWA: 25 ppm 8 hour(s). Issued/Revised: 5/1995
mesitylene	**ASCC (Australia).** TWA: 123 mg/m³ 8 hour(s). Issued/Revised: 5/1995 TWA: 25 ppm 8 hour(s). Issued/Revised: 5/1995
Cumene	**ASCC (Australia). Absorbed through skin.** STEL: 375 mg/m³ 15 minute(s). Issued/Revised: 11/2001 STEL: 75 ppm 15 minute(s). Issued/Revised: 11/2001 TWA: 125 mg/m³ 8 hour(s). Issued/Revised: 11/2001

	TWA: 25 ppm 8 hour(s). Issued/Revised: 11/2001
xylene	**ASCC (Australia).** STEL: 655 mg/m³ 15 minute(s). Issued/Revised: 5/1995 STEL: 150 ppm 15 minute(s). Issued/Revised: 5/1995 TWA: 350 mg/m³ 8 hour(s). Issued/Revised: 5/1995 TWA: 80 ppm 8 hour(s). Issued/Revised: 5/1995
Naphthalene	**ASCC (Australia).** STEL: 79 mg/m³ 15 minute(s). Issued/Revised: 5/1995 STEL: 15 ppm 15 minute(s). Issued/Revised: 5/1995 TWA: 52 mg/m³ 8 hour(s). Issued/Revised: 5/1995 TWA: 10 ppm 8 hour(s). Issued/Revised: 5/1995
Ethylbenzene	**ASCC (Australia).** STEL: 543 mg/m³ 15 minute(s). Issued/Revised: 5/1995 STEL: 125 ppm 15 minute(s). Issued/Revised: 5/1995 TWA: 434 mg/m³ 8 hour(s). Issued/Revised: 5/1995 TWA: 100 ppm 8 hour(s). Issued/Revised: 5/1995
Kerosine - unspecified	**ACGIH TLV (United States). Absorbed through skin.** TWA: 200 mg/m³ 8 hour(s). Form: All forms

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

Whilst specific OELs for certain components are included in this SDS, it should be noted that other components of the preparation will be present in any mist, vapour or dust produced. For this reason, the specific OELs may not be applicable to the product and are provided for guidance purposes.

Biological Limit Values No biological limit allocated.

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 Use only with adequate ventilation.. Avoid breathing of vapours, mists or spray. Select and use respirators in accordance with AS/NZS 1715/1716. When mists or vapours exceed the exposure standards then the use of the following is recommended: Approved respirator with organic vapour and dust/mist (Type P1) filters. Filter capacity and respirator type depends on exposure level.

Skin and body Do not get on skin or clothing. Wear suitable protective clothing.

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.

9 . Physical and chemical properties

Physical state Liquid.

Colour Clear.

Odour Pine oil

Flash point 38 °C (Closed cup) Pensky-Martens.

Vapour pressure 0.798 kPa (6 mm Hg) at 20°C

Vapour density Not available.

Viscosity Kinematic: <7 mm^2/s (<7 cSt) at 40°C

pH Not available.

Boiling point / range 145 to 200°C (293 to 392°F)

Melting point / range Not available.

Relative density/Specific gravity Not available.

Density 870 kg/m^3 (0.87 g/cm^3) at 15°C

Solubility insoluble in water.

10 . Stability and reactivity

Stability The product is stable.

Conditions to avoid Avoid extreme temperatures, strong oxidizers, fire.

Incompatibility with various substances/Hazardous Reactions Highly reactive or incompatible with the following materials: oxidizing materials.

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

11 . Toxicological information

Effects and symptoms

Eyes No significant health hazards identified.

Skin Causes skin irritation. May cause severe allergic skin reaction

Inhalation Causes respiratory tract irritation.

Ingestion Aspiration hazard if swallowed -- harmful or fatal if liquid is aspirated into lungs.

Chronic toxicity

Carcinogenic effects Classified 2B (Possible for humans.) by IARC: [Ethylbenzene; Naphthalene]

Mutagenic effects No known significant effects or critical hazards.

12 . Ecological information

Ecotoxicity Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Biodegradability

Persistence/degradability The biodegradability of this material has not been determined.

Mobility Spillages may penetrate the soil causing ground water contamination.

Other ecological information Spills may form a film on water surfaces causing physical damage to organisms. Oxygen transfer could also be impaired.

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 spilt material and runoff and contact with soil, waterways, drains and sewers.

Special Precautions for Landfill or Incineration No additional special precautions identified.

14 . Transport information

International transport regulations

Regulatory information	UN number	Proper shipping name	Class	PG*	Label	Additional information
ADG Classification	UN1993	FLAMMABLE LIQUID, N.O.S. (Kerosine - unspecified)	3	III		**Hazchem code** 3Y **Initial emergency response guide** 14
IMDG Classification	UN1993	FLAMMABLE LIQUID, N.O.S. mixture (Kerosine - unspecified). Marine pollutant (1,2,4-Trimethylbenzene)	3	III		Marine pollutant
IATA/ICAO Classification	UN1993	FLAMMABLE LIQUID, N.O.S. mixture (Kerosine - unspecified)	3	III		-

PG* : Packing group

Special precautions for user No known special precautions required. See Section: "Handling and storage" for additional information.

15 . Regulatory information

Standard for the Uniform Scheduling of Drugs and Poisons

6, 5

Control of Scheduled Carcinogenic Substances

Ingredient name	Schedule
No Listed Substance	

Australia Regulations	Labelling requirements for SUSDP do not apply to a poison that is packed and sold solely for industrial, laboratory or manufacturing use. However, this product is labelled in accordance with NOSHC National Code of Practice for labelling of workplace substances.
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)	Not determined.
Korea inventory (KECI)	All components are listed or exempted.
Philippines inventory (PICCS)	All components are listed or exempted.

16 . Other information

Key to abbreviations

AMP = Acceptable Maximum Peak
ACGIH = American Conference of Governmental Industrial Hygienists, an agency that promulgates exposure standards.
ADG = Australian Code for the Transport of Dangerous Goods by Road and Rail
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CAS Number = Chemical Abstracts Service Registry Number
HAZCHEM Code = Emergency action code of numbers and letters which gives information to emergency services. Its use is required by the ADG Code for Dangerous Goods in bulk.
ICAO = International Civil Aviation Organization.
IATA = International Air Transport Association, the organization promulgating rules governing shipment of goods by air.
IMDG = International Maritime Organization Rules, rules governing shipment of goods by water.
IP 346 = A chemical screening assay for dermal toxicity. The European Commission has recommended that Method IP 346 be used as the basis for labelling certain lubricant oil base stocks for carcinogenicity. The EU Commission has stipulated that the classification as a carcinogen need not apply if it can be shown that the substance contains less than 3% DMSO extract as measured by IP 346. (See Note L, European Commission Directive 67/548/EEC as amended and adapted.) DMSO is a solvent.
NOHSC = National Occupational Health & Safety Commission, Australia
TWA = Time weighted average
STEL = Short term exposure limit
UN Number = United Nations Number, a four digit number assigned by the United Nations Committee of Experts on the Transport of Dangerous Goods.

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Notice to reader

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 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.