

Material Safety Data Sheet

Infosafe No. ACQRC Issue Date: June 2003 ISSUED by CASTROL
Product Name: **PENETRAT WDP**

Classified as hazardous according to criteria of NOHSC

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY

Product Name

PENETRAT WDP

Product Use

Lubrication.

Company Name

Castrol Australia Pty. Limited (ABN 87 008 459 407)

Address

132 McCredie Road, Guildford,
NSW, 2161 Australia

Emergency Tel.

1800 638 556

Telephone Number/Fax

Tel: (02) 9795 4800 Fax: (02) 9795 4910

Other Names

Name

Mancode

Optimol Penetrat WDP

Other Information

Castrol Technical Help Line 1300 557 998 (Local call)

2. COMPOSITION/INFORMATION ON INGREDIENTS

Information on Composition

Lubricant based on petroleum distillates, solvent and additives.

Ingredients	<u>Name</u>	<u>CAS</u>	<u>Proportion</u>
	Kerosine, petroleum, hydrodesulfurised	64742-81-0	30-60 %
	Ingredients determined not to be hazardous	Not required	Balance

3. HAZARDS IDENTIFICATION

Product Name : PENETRAT WDP

Harmful: may cause lung damage if swallowed.

4. FIRST AID MEASURES

Inhalation

Remove the source of contamination or move the victim to fresh air. Ensure airways are clear and have qualified person give oxygen through a facemask if breathing is difficult. If irritation develops and persists, seek medical attention.

Ingestion

DO NOT induce vomiting. Immediately wash out mouth with water. Seek IMMEDIATE medical attention.

Skin

Remove all contaminated clothing. Wash gently and thoroughly with water and non-abrasive soap. Ensure contaminated clothing is washed before re-use or discard. If irritation develops, seek medical attention.

Eye

If contact with the eye(s) occur, wash with copious amounts of water for approximately 15 minutes holding eyelids(s) open. Take care not to rinse contaminated water into the non-affected eye. If irritation develops and persists, seek medical attention.

First Aid Facilities

Eye wash and normal washroom facilities.

Advice to Doctor

Treat symptomatically.

5. FIRE FIGHTING MEASURES

Extinguishing Media

Carbon dioxide, dry chemical, or foam.

Do NOT use water jets. Cool fire exposed containers with water spray.

Specific Methods

Self-Contained Breathing Apparatus (S.C.B.A) and full protective clothing should be worn to minimise exposure.

Specific Hazards

Combustible liquid. Keep storage tanks, pipelines, fire exposed surfaces etc cool with water spray. Ensure adequate ventilation to prevent explosive vapour-air mixture and prevent build-up of electrostatic charges (i.e. by grounding).

6. ACCIDENTAL RELEASE MEASURES

Other Information

Product Name : PENETRAT WDP

SMALL - 20 LITRES OR LESS

Soak up on Castrol Diatomaceous Earth or similar inert oil absorbent. Arrange for disposal through an approved facility.

LARGE - GREATER THAN 20 LITRES

Remove all sources of ignition. Increase ventilation. Evacuate all unnecessary personnel. Wear full protective equipment and clothing to minimise exposure. If possible contain the spill. Place inert absorbent material such as vermiculite, sand or dirt onto spillage. Use clean non-sparking tools to collect the material and place into a suitable labelled container. Do not dilute material but contain. If large quantities of this material enter the waterways contact the Environmental Protection Authority, or your local Waste Management Authority.

7. HANDLING AND STORAGE

Handling

Use only in a well ventilated area. DO NOT store or use in confined spaces. Prevent concentration in hollows and sumps. Do not enter these areas until atmosphere has been checked. Keep tank covered and containers sealed when not in use. Build up of mists or vapours in the atmosphere must be prevented. Do not use near welding or other ignition sources. Do not inhale vapours. When dealing with large quantities, repeated or prolonged exposure without personal protection should be prevented in order to lessen the possibility of disorders. It is essential that all who come into contact with this material, maintain high standards of personal hygiene ie. washing hands prior to eating, drinking, smoking or going to the toilet.

Storage

Classified as a class C1 combustible liquid for storage and handling purposes. The product should be stored in a cool, dry, well ventilated area, away from sources of ignition and oxidising agents. Keep containers closed when not in use and securely sealed and protected against physical damage. Inspect regularly for deficiencies such as damage or leaks. Have appropriate fire extinguishers available in and near the storage area. Take precautions against static electricity discharges. Use proper grounding procedures. Do NOT pressurise, cut, heat or weld empty containers as they may contain hazardous residues. For information on the design of the store-room reference should be made to Australian Standard AS1940 - The storage and handling of flammable and combustible liquids. Reference should also be made to all Local, State and Federal regulations.

8. EXPOSURE CONTROLS, PERSONAL PROTECTION

Exposure Limits

No value assigned for this specific material by the National Occupational Health and Safety Commission (NOHSC). However, NOHSC Exposure Standards for oil mist are listed below

SUBSTANCE	TWA	STEL
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Product Name : PENETRAT WDP

	ppm	mg/m ³	ppm	mg/m ³
Oil mist, mineral	-	5	-	10

Respiratory Protection

Avoid breathing of vapours, mists or spray. Where ventilation is inadequate and vapours or mists are generated the use of an approved respirator with particulate filter complying with AS/NZS 1715 and AS/NZS 1716 is recommended. Final choice of appropriate breathing protection is dependant upon actual airborne concentrations and the type of breathing protection required will vary according to individual circumstances. Expert advice may be required to make this decision. Reference should be made to Australian Standards AS/NZS 1715- Selection, Use and maintenance of Respiratory Protective Devices; and AS/NZS 1716- Respiratory Protective Devices.

Eye Protection

Safety glasses or face shield as appropriate. Refer to the Australian Standard AS/NZS 1337- Eye Protectors for Industrial Applications.

Hand Protection

Impervious gloves recommended. A glove manufacturer is recommended to ensure gloves chosen are appropriate for the application.

Body Protection

Impervious protective clothing where likely to be contaminated.

Eng. Controls

Where vapours or mists are generated and exposure standards are exceeded, the use of respiratory protection, or a local exhaust ventilation system is recommended.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Thin light yellow transparent fluid.

Melting Point

45°C

Boiling Point

Not available

Solubility in Water

Insoluble

Specific Gravity

(H₂O=1)

0.84 @ 15.5°C

pH Value

Not applicable

Vapour Pressure

Not available

Viscosity

Product Name : PENETRAT WDP

3.5cSt @ 40°C

Volatile Component

50.68%

Flash Point

61°C (Method: DIN51755)

Flammability

Combustible C1 liquid. Keep away from heat, sparks or naked flames.
Electrically link and ground metal containers for transfer of the product to prevent accumulation of static electricity. Ensure adequate ventilation to prevent an explosive vapour-air mixture.

Ignition Temperature

Not available

Flammable Limits LEL

Not available

Flammable Limits UEL

Not available

10. STABILITY AND REACTIVITY

Stability

Stable under normal conditions of storage and handling.

Hazardous**Polymerization**

Will not occur.

Materials to Avoid

Strong oxidising agents.

Hazardous**Decomposition****Products**

Oxides of carbon, nitrogen, and sulphur.

11. TOXICOLOGICAL INFORMATION

**Toxicology
Information**

The petroleum distillates in this product are severely processed and do not require a carcinogen notice.

Inhalation

May cause irritation to the mucous membrane and upper airways, especially if the material is heated or mists are generated and/or is used in poorly ventilated areas. Symptoms may include headache, dizziness and nausea.

Ingestion

Product Name : PENETRAT WDP

Harmful: may cause lung damage if swallowed. Small amounts of liquid aspirated into the respiratory system during ingestion or vomiting may cause mild to severe lung damage. May also cause irritation to the gastrointestinal system. Symptoms may include nausea, vomiting, diarrhoea and abdominal pain.

Skin

Unlikely to irritate on brief contact. Repeated or prolonged contact may dry and defat the skin, resulting in skin irritation and possible dermatitis.

Eye

May cause slight to moderate transient eye irritation, resulting in redness, stinging and lachrymation.

Chronic Effects

Prolonged or repeated contact with this material may result in skin irritation leading to dermatitis.

12. ECOLOGICAL INFORMATION

Environ. Protection

Prevent this material from entering the environment.

Other Information

No specific ecological data available for this product.

13. DISPOSAL CONSIDERATIONS

Waste Disposal

Dispose of waste according to federal, E.P.A., state and local regulations. Assure conformity with all applicable regulations.

14. TRANSPORT INFORMATION

Not classified as a Dangerous Good according to the Australian Code for the Transport of Dangerous Goods by Road and Rail.

U.N. Number

None Allocated

Proper Shipping Name

None Allocated

DG Class

None Allocated

Hazchem Code

None Allocated

Packing Group

None Allocated

15. REGULATORY INFORMATION

Risk Phrase

R65 Harmful: may cause lung damage if swallowed.

Safety Phrase

S16 Keep away from sources of ignition - No smoking.

S2 Keep out of reach of children.

S20/21 When using, do not eat, drink or smoke.

S23 Do not breathe gas/fumes/vapour/spray

S24/25 Avoid contact with skin and eyes.

S36/37/39 Wear suitable protective clothing, gloves and eye/face protection.

S62 If swallowed, do not induce vomiting; seek medical advice immediately and show this container or label.

Poisons Schedule

Not Scheduled

Hazard Category

Harmful

16. OTHER INFORMATION

Contact Person/Point

For information concerning details on this Safety Data Sheet contact your local Technical Services Manager on the following numbers:-

Sydney: (02) 9795 4800

Melbourne: (03) 9268 4200

Brisbane: (07) 3850 9300

Adelaide: (08) 8347 6200

Perth: (08) 9268 9288

Castrol Technical Help Line 1300 557 998 (Local call)

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24 HOUR EMERGENCY CONTACT

1 800 638 556

24 HOUR EMERGENCY CONTACT (New Zealand Only)

0800 154 666

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