

PENETRENE SOFT SEAL

MATERIAL SAFETY DATA SHEET

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|---------------------------------------------------------------|----------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| MSDS No: Product Name: Manufacturers Code: Date: | PENETRENE SOFT SEAL SS5, SS20 March 2010 | QUICK SMART PRODUCTS 53 ASSEMBLY DRIVE TULLAMARINE VIC 3043 ABN: 40 959 725 049 (03) 9338 6655 (BH) (03) 9336 7945 (AH) |
|---------------------------------------------------------------|----------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name: PENETRENE SOFT SEAL
Company Name: QUICK SMART PRODUCTS
Address: 53 Assembly Drive
 Tullamarine Vic 3043
Telephone/Fax: (03) 9338 6655 (BH) (03) 9336 7945 (AH) Fax: (03) 9335 2598
Recommended Use: Corrosion Protective

2. HAZARDS IDENTIFICATION

Hazard Classification: Classified as hazardous according to criteria of NOHSC
 HAZARDOUS SUBSTANCE.
 DANGEROUS GOODS.
 Hazard classification according to the criteria of NOHSC.
 Dangerous goods classification according to the Australia Dangerous Goods Code.

Risk Phrase(s): Classified as hazardous according to criteria of NOHSC

Human Health Effects: Irritating to eyes. Repeated exposure may cause skin dryness or cracking. Vapours may cause drowsiness and dizziness. Used oil may contain harmful impurities.

Safety Hazards: Flammable.

Environmental Hazards: Toxic to aquatic organisms. May cause long term adverse effects in the aquatic environment.

Other Information: Hazardous Substance.
 Dangerous Goods.
 Hazard classification according to the criteria of NOHSC.
 Dangerous goods classification according to the Australia Dangerous Goods Code.

3. COMPOSITION/INFORMATION ON INGREDIENTS

| Information on Composition: | Name | EINECS | Hazard | R Phrase |
|-----------------------------|-----------------------------------------------------------------|-----------|--------|----------------------------|
| | Calcium soaps of oxidised petrolatum | 270-348-8 | Xi | R36 |
| | Turpentine substitute | 265-185-4 | Xn, N | R10, R65, R66, R51/53 |
| | Low boiling point hydrogen treated naptha (< 0.1% w/w/ benzene) | 265-151-9 | Xn, N | R10, R65, R66, R67, R51/53 |
| | Calcium sulphonate | 263-093-9 | Xi | R36/38 |
| | 2-(2-butoxyethoxy) ethanol | 203-961-6 | Xi | R36 |

| Ingredients: | Name | CAS | Proportion |
|--------------|----------------------------------------------------------------|------------|------------|
| | Calcium soaps of oxidised petroleum | 68425-34-3 | 30-50% |
| | Turpentine substitute | 64742-82-1 | 20-30% |
| | Low boiling point hydrogen treated naptha (< 0,1% w/w benzene) | 64742-49-0 | 20-30% |
| | Calcium Sulphonate | 61789-86-4 | 1-5% |
| | 2-(2-butoxyethoxy) ethanol | 112-34-5 | 1-3% |

Preparation Description: A solvent based blend of soaps, sulphonates, waxes and propriety additives.

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Other Information: See Section 16 'Other Information' for full text of each relevant Risk Phrase.

4. FIRST AID MEASURES

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| Inhalation: | Remove to fresh air. If rapid recovery does not occur, obtain medical attention. |
| Ingestion: | Wash out mouth with water and obtain medical attention. Do not induce vomiting. |
| Skin: | Remove contaminated clothing and wash affected skin with soap and water. If persistent irritation occurs, obtain medical attention. When using high pressure equipment, injection of product under the skin can occur. If high pressure injuries occur, the casualty should be sent immediately to a hospital. Do not wait for symptoms to develop. |
| Eye: | DO NOT DELAY. Flush eye with copious quantities of water. Obtain medical attention immediately. |
| Advice to Doctor: | Treat symptomatically. Aspiration into the lungs may cause chemical pneumonitis. Dermatitis may result from prolonged or repeated exposure. High pressure injection injuries require prompt surgical intervention and possibly steroid therapy, to minimise tissue damage and loss of function. |
| Symptoms and Effects: | Irritation of the eyes. Prolonged exposure to vapour/mist may give rise to headaches, dizziness, nausea, unconsciousness and irritation to the eyes and upper respiratory tract. |

5. FIRE FIGHTING MEASURES

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| Suitable Extinguishing Media: | Foam and dry chemical powder. Carbon dioxide, sand or earth may be used for small fires only. |
| Special Protective Equipment for Fire Fighters: | Proper protective equipment including breathing apparatus must be worn when approaching a fire in a confined space. |
| Specific Hazards: | The vapour is heavier than air, spreads along the ground and distant ignition is possible. Will float and may be reignited on surface water. Combustion is likely to give rise to a complex mixture of airborne solid and liquid particulates and gases, including carbon monoxide and unidentified organic and inorganic compounds. |
| Unsuitable Extinguishing Media: | Water in jet. Use of halon extinguishers should be avoided for environmental reasons. |
| Other Information: | Keep adjacent containers cool by spraying with water. |

6. ACCIDENTAL RELEASE MEASURES:

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| Personal Precautions: | Do not breathe vapour. Ventilate contaminated area thoroughly. Avoid contact with skin, eyes. Clothing. Take off immediately all contaminated clothing. Vapour can travel along the ground for considerable distances. Remove all possible sources of ignition in the surrounding area and evacuate all personnel. Avoid sparks. Take precautionary measures against static discharge. Shut off leaks, if possible without personal risk. |
| Personal Protection: | Wear Monogoggles, PVC, neoprene or nitrile rubber gloves, chemical resistant PVC one-piece suit with integral hood. Safety boots – rubber, knee length. For guidance on respiratory protection see Section 8. |
| Clean-up Methods – Small Spillages: | Absorb liquid with sand or earth. Sweep up and remove to a suitable, clearly marked container for disposal in accordance with local regulations. |

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Clean-up Methods – Large Spillages: Prevent from spreading by making a barrier with sand, earth or other containment material. Reclaim liquid directly or in an absorbent. Dispose of as for small spills.

Environmental Precautions: Prevent from spreading or entering into drains, ditches or rivers by using sand, earth, or other appropriate barriers. Inform local authorities if this cannot be prevented.

Other Information: Inform the emergency services if liquid enters surface water drains. Vapour may form an explosive mixture with air.

7. HANDLING AND STORAGE

Precautions for Safe Handling: Avoid prolonged or repeated contact with skin, eyes and clothing. Only use in well ventilated areas. Extinguish any naked flames. Remove ignition sources. Avoid sparks. Do not smoke. Take precautionary measures against static discharges. When handling product in drums. Safety footwear should be worn and proper handling equipment should be used. Prevent spillages. Cloth, paper and other materials that are used to absorb spills present a fire hazard. Avoid their accumulation by disposing of them safely and immediately. In addition to any specific recommendations given for controls of risks to health, safety and the environment, an assessment of risks must be made to help determine controls appropriate to local circumstances.

Conditions for Safe Storage: Use properly labelled and closeable containers. Keep container tightly closed in a dry, well ventilated place away from direct sunlight and other sources of heat or ignition. All tanks/equipment must be earthed/bonded. Keep in a bonded area. Do not smoke in storage areas.

Storage Temperatures: 0°C Minimum. 20° Maximum.

Recommended Materials: For containers, use mild steel.

Unsuitable Materials: For containers or container linings, avoid PVC.

8. EXPOSURE CONTROL/PERSONAL PROTECTION

Exposure Controls, Personal Protection: Exposure Controls:
Use local exhaust ventilation if there is a risk of inhalation of vapours, mists or aerosols.

Environmental Exposure Controls:
Minimise release to the environment. An environmental assessment must be made to ensure compliance with local environmental legislation.

National Exposure Standards: No exposure limit established.

Respiratory Protection: Not normally required. If oil mist cannot be controlled, a respirator fitted with an organic vapour cartridge combined with a particulate pre-filter should be used.

Eye Protection: Wear safety glasses or full face shield if splashes are likely to occur.

Hand Protection: PVC or nitrile rubber gloves.

Body Protection: Minimise all forms of skin contact. Overalls and shoes with oil resistant soles should be worn. Launder overalls and undergarments regularly.

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9. PHYSICAL AND CHEMICAL PROPERTIES

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|-------------------------------------------------|----------------------------------------------------|
| Appearance: | Thixotropic viscous liquid at ambient temperature. |
| Odour: | Characteristic. |
| Solubility in Water: | Negligible. |
| pH Value: | Data not available. |
| Vapour Pressure: | Circa 665 Pa at 20°C. |
| Vapour Density: (Air=1) | Greater than 1. |
| Evaporation Rate: | Data not available. |
| Colour: | Brown. |
| Pour Point: | Data not available. |
| Octanol/Water Partition Coefficient: | Log Pow expected to be >3. |
| Density: | 865 kg/m ³ at 15°C. |
| Flash Point: | 40°C (PMCC). |
| Auto-Ignition Temperature: | >200°C. |
| Flammable Limits – Lower: | 0.6% (V/V). |
| Flammable Limits – Upper: | 8.0% (V/V). |
| Initial Boiling Point: | Expected to be >150°C. |
| Kinematic Viscosity: | >7 mm ² /s t 40°C. |

10. STABILITY AND REACTIVITY

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| Chemical Stability: | Stable. |
| Conditions to Avoid: | Extremes of temperature and direct sunlight. |
| Incompatible Materials: | Strong oxidizing agents. |
| Hazardous Decomposition Products: | Hazardous decomposition products are not expected to form during normal storage. |

11. TOXICOLOGICAL INFORMATION

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| Reproductive Toxicity: | Not considered to be toxic to reproduction. |
| Mutagenicity: | Not considered to be a mutagenic hazard. |
| Carcinogenicity: | Components are not known to be associated with carcinogenic effects. |
| Basis for Assessment: | Toxicological data have not been determined specifically for this product. Information given is based on a knowledge of the components and the toxicology of similar products. |

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| Acute Toxicity – Oral: | LD50 expected to be > 2000mg/kg. |
| Acute Toxicity – Dermal: | LD50 expected to be > 2000mg/kg. |
| Acute Toxicity – Inhalation: | No data available. Vapours may cause drowsiness and dizziness. |
| Eye Irritation: | Expected to be irritant. |
| Skin Irritation: | Repeated exposure may cause skin dryness or cracking. |
| Respiratory Irritation: | If mists are inhaled, slight irritation of the respiratory tract may occur. |
| Skin Sensitisation: | Not expected to be a skin sensitizer. |
| Other Information: | Prolonged and/or repeated contact with this product can result in defatting of the skin, particularly at elevated temperatures. This can lead to irritation and possibly dermatitis, especially under conditions of poor personal hygiene. Skin contact should be minimised. High pressure injection of product into the skin may lead to local necrosis if the product is not surgically removed. Used oils may contain harmful impurities that have accumulated during use. The concentration of such impurities will depend on use and they may present risks to health and the environment on disposal. ALL used oil should be handled with caution and skin contact avoided as far as possible. |

12. ECOLOGICAL INFORMATION

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|-------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Ecotoxicity: | Poorly soluble mixture. May cause physical fouling of aquatic organisms. Product is expected to be toxic to aquatic organisms, LL/EL50 1 -10mg/1. (LL/EL50 expressed as the nominal amount of product required to prepare aqueous test extract). |
| Persistence / Degradability: | Not expected to be readily biodegradable. Major constituents are expected to be inherently biodegradable, but the product contains components that may persist in the environment. The volatile components oxidise rapidly by photochemical reactions in air. |
| Mobility: | Liquid under most environmental conditions. Floats on water. If it enters soil, it will adsorb to soil particles and will not be mobile. Contains volatile components which are expected to be released to air. Partly evaporates from water or soil surfaces, but a significant proportion will remain after one day. |
| Bioaccumulative Potential: | Contains components with the potential to bioaccumulate. |
| Other Adverse Effects: | Not expected to have ozone depletion potential, photochemical ozone creation potential or global warming potential. |
| Basis for Assessment: | Ecotoxicological data have not been determined specifically for this product. Information given is based on a knowledge of the components and the ecotoxicology of similar products. |

13. DISPOSAL CONSIDERATIONS

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|--------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Waste Disposal: | Recycle or dispose of in accordance with prevailing regulations, by a recognised collector or contractor. The competence of the contractor to deal satisfactorily with this type of product should be established beforehand. Do not pollute the soil, water or environment with the waste product. |
| Product Disposal: | As for waste disposal. |

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Container Disposal: Recycle or dispose of in accordance with the legislation in force with a recognised collector or contractor.
Drums should be emptied and returned to the supplier for sent to a drum re-conditioner without removing or defacing markings or labels. Drain container thoroughly. After draining, vent in a safe place away from sparks and fire. Residues may cause an explosion hazard. Do not puncture cut or weld uncleaned drums.

Special Precautions for Landfill or Incineration: Refer to Section 7 before handling the product or containers.

14. TRANSPORT INFORMATION

Transport Information:

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|---------------------------|-----------------------------|
| ADG U.N. Number | 1993 |
| ADG UN Class | 3 |
| ADG Packing Group | III |
| ADG Hazchem Code | 3[Y] |
| ADG Proper Shipping Name | FLAMMABLE LIQUIDS, N.O.S. – |
| IMDG UN Number | 1993 |
| IMDG Hazard Class | 3 |
| IMDG Packing Group | III |
| IMDG Proper Shipping Name | FLAMMABLE LIQUID, N.O.S. – |
| IATA UN Number | 1993 |
| IATA Hazard Class | 3 |
| IATA Packing Group | III |
| IATA Proper Shipping Name | FLAMMABLE LIQUID, N.O.S. – |

Other Information:
Not a marine pollutant.

U.N. Number: 1993

IERG Number: 14

15. REGULATORY INFORMATION

Regulatory Information:

EC Symbols: Xi N
EC Risk Phrase:
R10 Flammable.
R36 Irritating to eyes.
R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R66 Repeated exposure may cause skin dryness and cracking.
R67 Vapours may cause drowsiness and dizziness.

EC Safety Phrase:
S25 Avoid contact with eyes.
S26 In case of contact with eyes rinse immediately with plenty of water and seek medical advice.
S43 (1) In case of fire use alcohol resistant foam/dry powder/CO2. Never use water.
S51 Use only in well ventilated areas.
S60 This material and its container must be disposed of as hazardous waste.
S61 Avoid release to the environment. Refer to special instructions/safety data sheet.

EINECS: All components listed.

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Poisons Schedule: S5

National and or International Regulatory Information: National Code of Practice for the Preparation of Material Safety Data Sheets [NOHSC:2011].
List of Designated Hazardous Substances [NOHSC:10005].
Approved Criteria for Classifying Hazardous Substances [NOHSC:1008].
Adopted National Exposure Standards for Atmospheric Contaminants in the Occupational Environment [NOHSC:1003].
Australian Dangerous Goods Code.
Standard Uniform Scheduling of Drugs and Poisons.

Packaging & Labelling: Safety data sheet available for professional user on request.

Hazard Category: Irritant, Dangerous for the environment, Flammable.

16. OTHER INFORMATION

Contact Person/Point: Technical Contact Number : (03) 9338 6655.

Literature References: For detailed advice on Personal Protective equipment, refer to the following Australian Standards:

HB 9 (Handbook 9) Manual of Industrial Personal Protection.
AS/NZS 1337 Eye Protectors for Industrial Applications.
AS/NZS 1715 Selection, Use and Maintenance of Respiratory Protective Devices.
AS/NZS 1718 Respiratory Protective Devices.

Other Information: Infosafe No. ACK5m AU/Eng/C

Revisions Highlighted:
16. OTHER INFORMATION – Poisons Schedule

Restrictions:
This product must not be used in applications other than recommended without first seeking the advice of the QUICK SMART technical department.

List of R Phrases in Section 2:
R10 Flammable.
R36 Irritating to eyes.
R65 Harmful: may cause lung damage if swallowed.
R66 Repeated exposure may cause skin dryness and cracking.
R67 Vapours may cause drowsiness and dizziness.
R36/38 Irritating to eyes and skin.
R51/53 Toxic to aquatic organisms, may cause long term adverse effects in the aquatic environment.

Date of Preparation or last revision of MSDS: MSDS reviewed: 18 March 2010

END OF MSDS