



SAFETY DATA SHEET AGROSIL PENETRANT

Section 1: Identification of the Substance and Supplier

Product name: AGROSIL PENETRANT
Chemical name of active Greater than 840g/litre polyether modified trisiloxane
Supplier: ADAMA New Zealand Limited
Level1/19 Elms Street, Wakatu Estate, Stoke, Nelson, New Zealand
P.O. Box 1799, Nelson New Zealand.
Telephone +64 3 543 8275 Fax: +64 3 543 8274
Emergency Telephone: 0800 POISON (0800 764 766)

Section 2: Hazards identification

HAZARD CLASSIFICATIONS

Classifications 6.1D, 6.3A, 6.4A, 9.1B



HARMFUL



ECOTOXIC

RECORD KEEPING - Records of use must be kept under certain circumstances – see The New Zealand Standards for Management of Agrichemicals (NZS8409) for details.

TOXICITY

Harmful – May be harmful if swallowed, inhaled or absorbed through the skin. May cause skin irritation. May cause eye irritation.

ECOTOXICITY

Toxic to fish and other aquatic organisms with long-lasting effects. Avoid contamination of any water supply with product or empty container.

Section 3. Composition/information on Ingredients

- Production description $\geq 84\%$ Polyether modified trisiloxane

Section 4: First-Aid Measures

First-aid measures:

Inhalation:

Remove victim from area of exposure – avoid becoming a casualty. Remove contaminated clothing and loosen remaining clothing. Allow patient to assume most comfortable position and keep warm. Keep at rest until fully recovered. If patient finds breathing difficult and develops a bluish discoloration of the skin (which suggests a lack of oxygen in the blood – cyanosis), ensure airways are clear of any obstruction and have a qualified person give oxygen through a face mask. Apply artificial respiration if patient is not breathing. Seek medical advice.

Ingestion:

Rinse the mouth thoroughly with water. Give copious water to drink – contact doctor immediately and contact the **National Poisons Centre 0800 POISON (0800 764 766)**

Skin contact:

Remove contaminated clothing, and flush skin and hair with running water.

Eye contact:

Remove contact lenses. Wash out immediately with water. Seek medical help if necessary.



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Section 5: Fire-Fighting Measures

Hazards from combustion products:

Non-combustible material.

Precautions for firefighters and special protective equipment:

Decomposes on heating, emitting toxic fumes. Fire fighters to wear self-contained breathing apparatus and suitable protective clothing if risk of exposure to products of decomposition.

Suitable Extinguishing Media:

Not combustible, however, if material is involved in a fire use: Fine water spray, normal foam, dry agent (carbon dioxide, dry chemical powder).

Section 6: Accidental Release Measures

Methods and materials for containment and clean up:

Emergency procedures:

Clear area of all unprotected personnel. If contamination of sewers or waterways has occurred advise local emergency services.

Spillage

Slippery when split. Exclude all bystanders from the vicinity of the spill and prevent material from entering waterways. Wear appropriate protective clothing as in the Precautions box of this label to clean up spills. Absorb spills with an inert (such as vermiculite, earth, sand or synthetic absorbent substance) material and place in waste containers. Wash area with water and alkaline detergent then absorb any remaining liquid with further inert material. Collect and seal in properly labeled containers or drums for disposal. Dispose of the waste safely in an approved landfill.

Disposal

Container Disposal - Triple rinse empty container and add rinsate to spray tank. Do not reuse but crush or puncture and bury in a suitable landfill, or if appropriate, recycle (e.g. AgRecovery program). Avoid contamination of any water supply with product or empty container.

Section 7: Handling and Storage

HANDLING PRECAUTIONS:

Keep out of reach of children.

Avoid contact with skin or eyes and inhalation of spray mist.

Do not eat, drink or smoke while using.

Protective Clothing:

When mixing or applying wear appropriate protective clothing including goggles/face mask, impervious gloves, overalls and boots. Remove protective clothing and wash hands, arms and face with soap and water before meals and after work.

Storage:

Store in the original, unopened container in a cool, dry place, out of direct sunlight and away from stock feed or foodstuffs. Stores containing 1000 litres require secondary containment and signage and more than 1000 litres require emergency response plans. Keep containers closed when not in use – check regularly for leaks.

As a Class 9 Substance with Ecotoxicity Classifications, storage of Agrosil™ must be carried out in such a manner as to prevent contamination of waterways. It is recommended that The New Zealand Standard for the Management of Agrichemicals (NZS 8409) is followed as a means of meeting the secondary containment provisions of the HSNO Emergency Management Regulations.

Section 8: Exposure Controls/Personal Protection

Occupational Exposure Limits: No value assigned for this specific material by the National Occupational Health and Safety Commission.

Engineering controls:

Use in well ventilated areas. If inhalation risk exists: Use with local exhaust ventilation or while wearing organic vapour/particulate respirator. Keep containers closed when not in use.



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Section 9: Physical and Chemical Properties

Physical state:	Liquid
Colour:	Colourless to Light Amber
Solubility:	Dispersible in water
Specific Gravity:	1.00- 1.02
Relative Vapour Density(air=1):	Not available
Vapour Pressure (20°C)	<1 mm Hg
Flash Point (°C)	Not applicable
Flammability Limits (%)	Not applicable
Autoignition Temperature (°C):	Not applicable
Boiling Point/Range (°C):	Not available
pH:	Not available
Viscosity:	30-45 mPa.s @ 25°C

Section 10: Stability and Reactivity

Chemical stability:	Stable
Conditions to avoid:	None known
Incompatible materials:	None known
Hazardous decomposition Products:	Oxides of carbon, Oxides of silicon
Hazardous reactions:	Hazardous polymerisation will not occur.

Section 11. Toxicological Information

No adverse health effects expected if the product is handled in accordance with this Safety Data Sheet and the product label. Symptoms or effects that may arise if the product is mishandled and overexposure occurs are:

Ingestion:	Prolonged and/or repeated contact may result in injury to the liver, injury to the thyroid, injury to the kidneys, injury to the blood forming system, injury to the male and female reproductive systems.
Eye contact:	An eye irritant.
Skin contact:	Contact with skin may result in irritation
Inhalation:	An aerosol if the neat liquid may cause damage to the respiratory tract, injury to the nasal cavity, injury to the blood forming system.
Long term effects:	Not listed as carcinogenic according to IARC.
Toxicological Data:	No LD50 data available for the product.
Oral:	LD ₅₀ >2000 mg/kg (rats)
Dermal:	LD ₅₀ (rats) >4000 mg/kg
SKIN:	Slight irritant (rabbit)
EYES:	Moderate irritant (rabbit)

Section 12: Ecological Information

Ecotoxicity:	Avoid contaminating waterways.
96hr LC50 (fish):	15 mg/L (sunfish)

Section 13: Disposal Considerations

Disposal

Container Disposal - Triple rinse empty container and add rinsate to spray tank. Do not reuse but crush or puncture and bury in a suitable landfill, or if appropriate, recycle (e.g. AgRecovery program). Avoid contamination of any water supply with product or empty container.



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Section 14: Transport Information

UN Number 3082
Proper shipping name Environmentally hazardous substance, Liquid, N.O.S. (polyether modified trisiloxane, >84%)
DG Class 9
Packing Group III
Hazchem Code 2X
Marine Pollutant Yes
IER Guide page 47

National transport regulations: Do not carry this product on a passenger service vehicle.

Segregation: Check the land transport Rule Dangerous Goods 1999, Rule 45001 for additional information. Sea transport may require additional segregation.

Refer: NZS5433; Sea Segregation, or the International Maritime Dangerous Goods Code for details.

Section 15: Regulatory Information

New Zealand Regulatory Information:

NZFSA Approval: Approved pursuant to the HSNO Act 1996, Approval No. HSR002503
See www.epa.govt.nz for approval controls

HAZARD CLASSIFICATIONS

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RECORD KEEPING: Records of use must be kept under certain circumstances – see The New Zealand Standards for Management of Agrichemicals (NZS8409) for details.

Section 16: Other Information

Note: This product is a registered agricultural chemical and must be therefore be used in accordance with the container label directions. A comprehensive package of toxicological and environmental data for the active ingredients of this product has been submitted to the Government health and environment authorities and has been evaluated by expert toxicologists and environmental scientists.

The information contained in the Safety Data sheet is correct to the best of our knowledge at the date of issue. It is intended as a guide for the safe use, handling, disposal, storage and transportation and is not intended as a warranty or as a specification. The information relates only to the product specified and may not be suitable for combinations with other materials or in processes other than those specifically described herein.

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HISTORY

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