

Material Safety Data Sheet

PRODUCT NAME **SNOW PRIMER**

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Supplier Name ECOSPILL
Address PO Box 5592, Brendale BC., QLD, Australia, 4500
Telephone (07) 3881 0554
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Web Site <http://www.ecospill.com.au>
Synonym(s) SNPR
Use(s) DEGREASER FOR OLD STAINS • DEGREASING AGENT
MSDS Date 06 March 2008

2. HAZARDS IDENTIFICATION

CLASSIFIED AS HAZARDOUS ACCORDING TO NOHSC CRITERIA

RISK PHRASES

R36/38 Irritating to eyes and skin.

SAFETY PHRASES

S1/2 Keep locked up and out of reach of children.
S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice
S36/37/39 Wear suitable protective clothing, gloves and eye/face protection.
S45 In case of accident or if you feel unwell seek medical advice immediately (show the label where possible).

NOT CLASSIFIED AS A DANGEROUS GOOD BY THE CRITERIA OF THE ADG CODE

UN No. None Allocated **DG Class** None Allocated **Subsidiary Risk(s)** None Allocated
Pkg Group None Allocated **Hazchem Code** None Allocated **EPG** None Allocated

3. COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient	Formula	CAS No.	Content
1-METHOXY-2-PROPANOL	C4-H10-O2	107-98-2	1-5%
POTASSIUM HYDROXIDE	K-O-H	1310-58-3	0.5-2%
ALCOHOL ETHOXYLATE	Not Available	9043-30-5	1-5%
QUATERNARY AMMONIUM COMPOUNDS, COCOALKYLBIS(HYDROXYETHYL)METHYL, ETHOXYLATED, CHLORIDES	Not Available	61791-10-4	1-5%
SODIUM METASILICATE	Not Available	10213-79-3	1-5%
TRISODIUM NITRILOTRIACETATE	C6-H6-N-O6.3Na	5064-31-3	1-5%
NON HAZARDOUS INGREDIENTS	Not Available	Not Available	remainder

4. FIRST AID MEASURES

Eye If in eyes, hold eyelids apart and flush the eye continuously with running water. Continue flushing until advised to stop by the PIC or a doctor, or for at least 15 minutes.

Inhalation If inhaled, remove from contaminated area. Apply artificial respiration if not breathing.

Skin If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water. Continue flushing with water until advised to stop by the PIC or a doctor.

Ingestion For advice, contact a Poison Information Centre on 13 11 26 (Australia Wide) or a doctor (at once). If swallowed, do not induce vomiting.

CHEM ALERT

PRODUCT NAME SNOW PRIMER

Advice to Doctor Treat symptomatically

5. FIRE FIGHTING MEASURES

Flammability	Non flammable. May evolve toxic gases if strongly heated.
Fire and Explosion	Non flammable. Treat as per requirements for Surrounding Fires: Evacuate area and contact emergency services. Remain upwind and notify those downwind of hazard. Wear full protective equipment including Self Contained Breathing Apparatus (SCBA) when combating fire. Use waterfog to cool intact containers and nearby storage areas.
Extinguishing	Non flammable. Prevent contamination of drains or waterways, absorb runoff with sand or similar.
Hazchem Code	None Allocated

6. ACCIDENTAL RELEASE MEASURES

Spillage	If spilt, absorb with sand or similar. Wear splash-proof goggles and PVC/rubber gloves. For large amounts, wear coveralls and rubber boots. Collect and place in sealable containers for disposal. Caution: Spill site may be slippery.
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7. STORAGE AND HANDLING

Storage	Store in cool, dry, well ventilated area, removed from direct sunlight, oxidising agents (eg. hypochlorites), acids and foodstuffs. Ensure containers are adequately labelled, protected from physical damage and sealed when not in use. Check regularly for leaks or spills. Also store removed from aluminium and light metals. Store between 5°C and 40°C.
Handling	Before use carefully read the product label. Use of safe work practices are recommended to avoid eye or skin contact and inhalation. Observe good personal hygiene, including washing hands before eating. Prohibit eating, drinking and smoking in contaminated areas.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Stds	Ingredient	Reference	TWA		STEL	
			ppm	mg/m3	ppm	mg/m3
	1-METHOXY-2-PROPANOL	NOHSC (AUS)	100.0	369.0	150.0	553.0
	Potassium hydroxide	NOHSC (AUS)	--	2.0	--	--

Biological Limits No biological limit allocated.

Engineering Controls Ensure adequate natural ventilation. Maintain vapour levels below the recommended exposure standard.

PPE Wear splash-proof goggles and rubber or PVC gloves. When using large quantities or where heavy contamination is likely, wear coveralls.



9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	YELLOW LIQUID	Solubility (water)	SOLUBLE
Odour	SCENTED ODOUR	Specific Gravity	1.01 to 1.05
pH	11.5 to 12.5 (3 % Solution)	% Volatiles	NOT AVAILABLE
Vapour Pressure	NOT AVAILABLE	Flammability	NON FLAMMABLE
Vapour Density	NOT AVAILABLE	Flash Point	NOT RELEVANT
Boiling Point	100°C (Approximately)	Upper Explosion Limit	NOT AVAILABLE
Melting Point	NOT AVAILABLE	Lower Explosion Limit	NOT RELEVANT
Evaporation Rate	NOT AVAILABLE	Autoignition Temperature	NOT AVAILABLE

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10. STABILITY AND REACTIVITY

Chemical Stability Stable under recommended conditions of storage.

Conditions to Avoid Avoid heat, sparks, open flames and other ignition sources.

Material to Avoid Incompatible with oxidising agents (eg. peroxides) and acids (eg. hydrochloric acid). Also incompatible with aluminium and light metals.

Decomposition May evolve toxic gases if heated to decomposition.

Hazardous Reactions Polymerization is not expected to occur.

11. TOXICOLOGICAL INFORMATION

Health Hazard Summary Irritant. This product has the potential to cause adverse health effects with eye contact or prolonged skin contact. Due to the low vapour pressure of this product an inhalation hazard is not anticipated with normal use. Use safe work practices to avoid direct eye or skin contact.

Eye Irritant. Contact may result in irritation, lacrimation, pain, redness, conjunctivitis. May result in burns with prolonged contact.

Inhalation Low to moderate irritant. Over exposure may result in mucous membrane irritation of the nose and throat, coughing, dizziness and headache. Due to the low vapour pressure of this product, a hazard is not anticipated unless used in large amounts in confined or poorly ventilated areas.

Skin Irritant. Contact may result in irritation, redness, rash and dermatitis. Prolonged or repeated contact may result in burns.

Ingestion Moderate toxicity. Ingestion may result in gastrointestinal irritation, nausea, vomiting, abdominal pain and diarrhoea.

Toxicity Data
1-METHOXY-2-PROPANOL (107-98-2)
LC50 (Inhalation): 10000 ppm/5 hours (rat)
LD50 (Ingestion): 5000 mg/kg (dog)
LD50 (Skin): 13000 mg/kg (rabbit)
POTASSIUM HYDROXIDE (1310-58-3)
LD50 (Ingestion): 273 mg/kg (rat)
SODIUM METASILICATE (10213-79-3)
LD50 (Ingestion): 770 mg/kg (mouse - gastrointestinal ulceration)
TRISODIUM NITRILOTRIACETATE (5064-31-3)
LD50 (Ingestion): 681 mg/kg (mouse)

12. ECOLOGICAL INFORMATION

Environment The surfactants contained in this product are 90% biodegradable.

13. DISPOSAL CONSIDERATIONS

Waste Disposal For small amounts absorb with sand, vermiculite or similar and dispose of to an approved landfill site. Contact the manufacturer for additional information if larger amounts are involved. Prevent contamination of drains and waterways as aquatic life may be threatened and environmental damage may result.

Legislation Dispose of in accordance with relevant local legislation.

14. TRANSPORT INFORMATION

NOT CLASSIFIED AS A DANGEROUS GOOD BY THE CRITERIA OF THE ADG CODE

Shipping Name None Allocated

UN No. None Allocated **DG Class** None Allocated **Subsidiary Risk(s)** None Allocated

Pkg Group None Allocated **Hazchem Code** None Allocated **EPG** None Allocated

15. REGULATORY INFORMATION

Poison Schedule Classified as a Schedule 5 (S5) Poison using the criteria in the Standard for the Uniform Scheduling of Drugs and Poisons (SUSDP).

AICS All chemicals listed on the Australian Inventory of Chemical Substances (AICS).

16. OTHER INFORMATION

Additional Information

ABBREVIATIONS:

ADB - Air-Dry Basis.
BEI - Biological Exposure Indice(s)
CAS# - Chemical Abstract Service number - used to uniquely identify chemical compounds.
CNS - Central Nervous System.
EINECS - European INventory of Existing Commercial chemical Substances.
IARC - International Agency for Research on Cancer.
M - moles per litre, a unit of concentration.
mg/m³ - Milligrams per cubic metre.
NOS - Not Otherwise Specified.
NTP - National Toxicology Program.
OSHA - Occupational Safety and Health Administration.
pH - relates to hydrogen ion concentration using a scale of 0 (high acidic) to 14 (highly alkaline).
ppm - Parts Per Million.
RTECS - Registry of Toxic Effects of Chemical Substances.
TWA/ES - Time Weighted Average or Exposure Standard.

HEALTH EFFECTS FROM EXPOSURE:

It should be noted that the effects from exposure to this product will depend on several factors including: frequency and duration of use; quantity used; effectiveness of control measures; protective equipment used and method of application. Given that it is impractical to prepare a Chem Alert report which would encompass all possible scenarios, it is anticipated that users will assess the risks and apply control methods where appropriate.

PERSONAL PROTECTIVE EQUIPMENT GUIDELINES:

The recommendation for protective equipment contained within this Chem Alert report is provided as a guide only. Factors such as method of application, working environment, quantity used, product concentration and the availability of engineering controls should be considered before final selection of personal protective equipment is made.

Report Status

This document has been compiled by RMT on behalf of the manufacturer of the product and serves as the manufacturer's Material Safety Data Sheet ('MSDS').

It is based on information concerning the product which has been provided to RMT by the manufacturer or obtained from third party sources and is believed to represent the current state of knowledge as to the appropriate safety and handling precautions for the product at the time of issue. Further clarification regarding any aspect of the product should be obtained directly from the manufacturer.

While RMT has taken all due care to include accurate and up-to-date information in this MSDS, it does not provide any warranty as to accuracy or completeness. As far as lawfully possible, RMT accepts no liability for any loss, injury or damage (including consequential loss) which may be suffered or incurred by any person as a consequence of their reliance on the information contained in this MSDS.

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End of Report