

MATERIAL SAFETY DATA SHEET

Infosafe No.	4AD53	Issue Date: April 2010	ISSUED by EXFOL
Product Name:	EXFOLIATORS PREMIUM VERMICULITE		

COMPANY DETAILS

Product Name	EXFOLIATORS PREMIUM VERMICULITE		
Company Name	Exfoliators (Aust) Pty Ltd (ABN 98 477 971 939)		
Address	3 Kitchen Road Dandenong VIC 3175		
Emergency Telephone No.	(03) 9706 6049		
Telephone / Facsimile	Ph: (03) 9706 6049	Fax: (03) 9706 6046	
Website	www.exfoliators.com.au		
Product Use	Exfoliated for Hydroponics, Horticulture, Insulation, Lightweight Concrete, Refractory Insulation, Filler, Texture Coating, an Absorbent.		

HAZARDS IDENTIFICATION

Hazard Classification	NON-HAZARDOUS SUBSTANCE. NON-DANGEROUS GOODS. Hazard classification according to the criteria of NOHSC. Dangerous goods classification according to the Australia Dangerous Goods Code.
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COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients	This product contains <0.1% crystalline silica.		
	Name	CAS	Proportion
	Vermiculite	1318-00-9	99.9-100 %

FIRST AID MEASURES

Inhaled	If inhaled, remove from contaminated area. Apply artificial respiration if not breathing. If symptoms develop seek medical attention.
Ingestion	Do NOT induce vomiting. Wash out mouth with water and give plenty of water to drink. If symptoms develop seek medical attention.
Skin	Wash affected area thoroughly with soap and water. Remove contaminated clothing and wash before reuse or discard. If symptoms develop seek medical attention.
Eyes	Wash affected area thoroughly with soap and water. Remove contaminated clothing and wash before reuse or discard. If symptoms develop seek medical attention.
First Aid Facilities	Normal washroom facilities.

ADVICE TO DOCTOR

Advice to Doctor	Treat symptomatically
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FIRE FIGHTING MEASURES

Extinguishing Media	Use appropriate fire extinguisher for surrounding environment.
Fire Hazards	Non combustible material.
Hazchem Code	None Allocated

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ACCIDENTAL RELEASE MEASURES

Emergency Procedures	Increase ventilation. Evacuate all unnecessary personnel. Wear respiratory protection as specified in the Protective Equipment section of this MSDS. Dampen spilled material with water to avoid airborne dust, and then transfer material to a suitable container. Use absorbent paper dampened with water to pick up remaining material. Wash surfaces well with soap and water. Seal all wastes in vapour tight labelled plastic containers for eventual disposal. If this material enters the waterways contact the Environmental Protection Authority, or your local Waste Management Authority.
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HANDLING AND STORAGE

Conditions for Safe Storage	Store in a cool, dry, well-ventilated area, out of direct sunlight and moisture. Store in labelled, containers. Keep containers tightly closed. Store away from water and incompatible materials. Have appropriate fire extinguishers available in and near the storage area.
Precautions for Safe Handling	Avoid generating dust. Use smallest possible amounts in designated areas with adequate ventilation. Have emergency equipment (for fires, spills, leaks, etc.) readily available. Label containers. Keep containers closed when not in use. Wear appropriate protective equipment to prevent inhalation, skin and eye contact. Ensure a high level of personal hygiene is maintained when using this product. That is; always wash hands before eating, drinking, smoking or using the toilet.

Exposure Controls

National Exposure Standards	No exposure standards have been established for this material, however, the TWA National Occupational Health And Safety Commission (NOHSC) exposure standards for dust not otherwise specified is 10 mg/m ³ .
Biological Limit	No biological limit allocated.
Engineering Controls	Use with good general ventilation. If dusts are produced local exhaust ventilation should be used.

PERSONAL PROTECTION

Respirator Type	If engineering controls are not effective in controlling airborne exposure then respiratory protective equipment should be used suitable for protecting against airborne contaminants. 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. 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 with side shields, goggles or full-face shield as appropriate recommended. Eye protection should conform with Australian/New Zealand Standard AS/NZS 1337 - Eye Protectors for Industrial Applications.
Hand Protection	Generally not required, however for industrial use, wear gloves of impervious material. Reference should be made to AS/NZS 2161.1: Occupational protective gloves - Selection, use and maintenance.
Body Protection	Suitable work wear should be worn to protect personal clothing. Industrial clothing should conform to the specifications detailed in AS/NZS 2919: Industrial clothing.

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PHYSICAL DATA

Appearance	Mixture of golden brown/red and white granules, odourless
Melting Point	~1300°C
Boiling Point	Not Available
Vapour Pressure	Not Applicable
Specific Gravity	~ 2.5
Flash Point	Not Relevant
Flamm. Limit LEL	Not Relevant
Flamm. Limit UEL	Not Relevant
Solubility in Water	Insoluble

OTHER PROPERTIES

pH Value	7 - 8 (10% concentration in water)
Stability	Stable under normal conditions.
Haz. Polymerization	Not expected to occur.
Other Information	Bulk Density: 50 - 90 kg/m ³

TOXICOLOGICAL INFORMATION

Inhalation	Inhalation of airborne dust may cause irritation to the mucous membrane and upper airways. Symptoms of exposure can include coughing, sneezing and breathing difficulties.
Ingestion	Ingestion of this product may irritate the gastric tract causing nausea and vomiting.
Skin	Skin contact may cause mechanical irritation resulting in redness and itching.
Eye	Eye contact may cause mechanical irritation. May result in mild abrasion.
Chronic Effects	Not expected to cause chronic health effects.

ECOLOGICAL INFORMATION

Ecotoxicity	No data is available for this material.
Persistence /Degradability	No data is available for this material.
Mobility	No data is available for this material.
Environ. Protection	Prevent this material entering waterways, drains and sewers.

DISPOSAL CONSIDERATIONS

Disposal Considerations	Dispose of waste according to federal, EPA and state regulations.
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TRANSPORT INFORMATION

Transport	Not classified as a Dangerous Good, according to the Australian Code for the Transport of Dangerous Goods by Road and Rail (6 th Edition).				
Shipping Name	None Allocated	UN Number	None Allocated	DG Class	None Allocated
Packing Group	None Allocated	Hazchem Code	None Allocated	Poisons Schedule	Not Scheduled

CONTACT POINT

Date of preparation or last revision of MSDS	MSDS reviewed: April 2010.
Contact Person/Point	Graeme Raper and Ian Milgate Ph: 03. 9706 6049 ...End of MSDS...