

MATERIAL SAFETY DATA SHEET

Dryacide® Grain Protectant

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Date of Issue: June 2001

STATEMENT OF HAZARDOUS NATURE

Not classified as hazardous according to criteria of Worksafe Australia.

COMPANY DETAILS

Company: A & R McLaughlin Pty Ltd. ABN 89 316 289 348
Address: 107 Colin Road, Wembley Downs, WA 6019
Telephone Number: 08 9341 1635. Facsimile Number: 08 9341 6050
Emergency Telephone No: 08 9341 1635 (24 hour basis)

IDENTIFICATION

Product Name: Dryacide® Grain Protectant
Other Names: Diatomaceous Earth, Amorphous silica.
Manufacturer's Product Code: 236C
UN Number: None allocated.
Hazchem Code: None allocated.
Poisons Schedule Number: None allocated
Use: Controls insect pests in stored grain, grain-handling machinery and storage facilities. Apply to grain as it passes through the grain auger with a dust applicator. Apply to machinery and empty storage facilities with a bellows-type hand duster or power operated duster for large storage areas. It can be applied as water-based slurry for fabric treatment of grain and food-product storage facilities and for surface-layer treatment of stored paddy rice.

Physical Description/Properties:

Appearance: Off-white to beige coloured dust with no odour. Non –flammable solid, non-volatile presenting no explosion hazards.
Boiling Point/Melting Point °C: Not applicable/ >1,600
Vapour Pressure: Not applicable
Specific Gravity: 2.3
Bulk Density: 0.3 g/ml
Solubility in water: Negligible

Ingredients:

Chemical Name:	CAS Number:	Proportion	TWA Exposure Standard Inspirable Fraction
Natural Diatomaceous earth, (DE),	61790-53-2	>90% w/w	10 mg/m ³
Silica gel	112926-00-8	<10% w/w	10 mg/m ³
Crystalline silica as contaminant of DE		<0.1%	
As Quartz (beach sand contaminant)	14808-60-7	<0.1%	
As Cristobalite	14464-46-1	Nil	

HEALTH HAZARD INFORMATION

Summary: When correctly used, there is no toxicity hazard incurred by the use of Dryacide. The silica has an amorphous, non-crystalline structure. As found with any other fine inert dust, over exposure to this dust without a dust mask may result in irritation of the upper respiratory tract and lungs.

Medical Conditions which may be aggravated: Pre-existing upper respiratory and lung disease such as, but not limited to Bronchitis, Emphysema and Asthma.

Acute Health Effects:

Swallowed: Not hazardous when ingested. Eye: Transitory eye irritation.

Skin: Not applicable

Inhaled: Transitory upper respiratory irritation.

Chronic Health Effects:

Prolonged exposure to the dust may cause mild eye and skin irritation in some susceptible people. Prolonged exposure to airborne dusts of any kind, including this dust, may have an adverse pulmonary effect on some people.

First Aid: Inhalation – Remove to fresh air, drink water to clear throat and blow nose to evacuate dust.

Eyes – Flush eyes with large quantities of water. If irritation persists, consult a physician.

Swallowed – Not applicable.

Skin – Not applicable.

PRECAUTIONS FOR USE:

Exposure Standards: Time-weighted Average Value (TWA): 10 mg/m³ (Inspirable fraction).

Ventilation: Use sufficient natural or mechanical ventilation to keep dust level below TWA.

Personal Protection: Use goggles and a dust mask, (ISO 1716 Class P1 or NIOSH/MSHA-TC-21C-132 or equivalent) when exposure to the dust is unavoidable.

Flammability: None.

SAFE HANDLING INFORMATION:

Storage: Store in original sealed, or resealed bags in a dry place. Minimize dust generation and accumulation. Repair broken bags immediately. Continue to follow MSDS/Label warnings when handling empty containers.

Spills and Disposals: Spilled or leaked material – vacuum or sweep into a container for reclamation or disposal in landfill or approved waste disposal facility. Wash residues away to drain with water. Discharge excess slurry onto absorbent ground or soil.

Fire/Explosion Hazard: None.