

**MATERIAL SAFETY DATA SHEET****Product Name: 'Dolomite Granules'**

Supplier: Prebble Seeds Limited
Marshes Road, Prebbleton
Christchurch, New Zealand.

Emergency Telephone Number: XXXXXXXXX

Number for Information: (03) 349 7295

IDENTIFICATION

UN Number	DG Class	Hazchem Code	Toxic Subst. Sched.
N/A	Inert	Inert	N/A

HMIS RATING

Health	Flammability	Reactivity	Personal Protection
1	0	0	E

Chemical Name: Calcium carbonate, CaCO₃, approximately 49% w/w; CAS Number 1317-65-3.
Magnesium carbonate, MgCO₃, approximately 35% w/w; CAS number 13717-00-5.
Hydrated sodium calcium magnesium alumino-silicate, less than 10% w/w; CAS number 1302-78-9.
Approximately 2 – 5% w/w total quartz; CAS number 14808-60-7

Characteristics: Beige to tan coloured rain disintegrable granules. Odourless.

Decomposition Temp: When heated to 800° C liberates carbon dioxide yielding a reactive alkaline powder that reacts exothermically with water.

Melting point: 1,500° C.

Specific Gravity: 2.70 g/cm³

HEALTH HAZARD INFORMATION**Health Effects:**

Swallowed: Product is essentially non-toxic. Ingestion of a substantial quantity could lead to irritation or physical obstruction of the gastro intestinal system.

Eye: May cause irritation of cornea, burning, itching and redness to the eye.

Skin: Repeated or prolonged exposure may dry out the skin and cause irritation.

Inhaled: Irritation of the lungs, coughing or choking may occur. Chronic effects: For prolonged or repeated exposure exceeding the occupational Exposure limits IARC lists respirable crystalline silica as a lung disease hazard. Overexposure may cause silicosis, cancer, bronchitis, or emphysema. The dolomite powder from which this granular product was manufactured contains less than 0.1% respirable silica.

MATERIAL SAFETY DATA SHEET**First Aid:**

- Swallowed: Give small quantities of water only if the patient is not losing consciousness and not convulsing. If gastric disturbance occurs call a doctor.
- Eye: Flush with a gentle stream of clean water for 15 minutes. If irritation persists see a doctor.
- Skin: Wash off with soap and water.
- Inhaled: Remove the patient from the affected area to an area of clean air. If coughing or other symptoms do not subside see a doctor.

PRECAUTIONS FOR USE

- Exposure Limits (TWA):** 10mg/m³ inspirable dust as calcium carbonate.
0.2mg/m³ respirable dust as quartz.
- Ventilation:** Dust control or extraction to meet exposure limits.
- Personal Protection:** Wear NIOSH/MSHA approved dust mask, eye protection and skin protection.
- Flammability:** Non flammable

SAFE HANDLING INFORMATION

- Storage and Transportation:** Store in a dry well ventilated environment under cover. Not regulated for transport.
- Spills and Disposal:** Wear a dust mask and sweep up. The granules comprise natural mineral products so can be buried safely.
- Fire/Explosion hazard:** Not applicable.
- Other Information:** While not flammable the product may decompose as a result of being heated in a fire to produce calcium and magnesium oxides which will react with water to give a caustic solution.

Contact Person	Issue Number	Issue Date
Bruce Lowe	01	August 12 2005

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