

Gypsum Soil Life™

STATEMENT OF
HAZARDOUS NATURE

AVOID EXPOSURE TO EXCESSIVE DUST AND
ALWAYS WEAR AN APPROVED MASK IF MILLING
OR GRINDING.

COMPANY DETAILS:

Company: Winstone Wallboards Ltd
Address: P.O. Box 12 256
Penrose
Auckland
NEW ZEALAND
Telephone: +64 (9) 633 0100
Facsimile: +64 (9) 633 0101
Emergency Telephone Number: +64 (3) 474 7000

IDENTIFICATION

PRODUCT INFORMATION:

Product Name: Gypsum Soil Life™
Synonyms: Land Plaster, Alabaster, Selenite, Gypsum Rock
Manufacturers Product Code: 12466, 12415, 12417
Product Group: Gypsum Rock.
Chemical Family: Calcium Sulphate
Product Use: Agricultural Gypsum
Dangerous Goods Class Not allocated

INGREDIENTS

Material	Content %	TLV mg m ⁻³	CAS No.
Calcium Sulphate Dihydrate	100	10	10101-41-4
Crystalline Silica(Total From Above)	<2.0	NE	14808-60-7

NE Not Established NA Not Available

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PHYSICAL DATA

Appearance & Odour:	Off White to Grey Powder. Low Odour.
Melting Point:	1450 °C – decomposes.
Solubility In Water:	2.41 g/L @ 20°C
Specific Gravity (Water = 1):	2.3 – 2.6
pH:	7.5 – 8.5

HEALTH HAZARD DATA

HEALTH EFFECTS:

Acute:	Swallowed:	Calcium sulfate dihydrate is non-toxic, however, ingestion of a sufficient quantity could lead to mechanical obstruction of the gut, especially the pyloric region. Call physician.
	Eye:	Direct contact can cause mechanical irritation of eyes. If burning, redness, itching, pain or other symptoms persist or develop, consult doctor.
	Skin:	Direct, prolonged or repeated contact with the skin may cause irritation. Rubbing of this product against the skin can result in abrasions. Rinse with water until free of material to avoid abrasions, then wash skin thoroughly with mild soap and water. May dry skin. If irritation persists, consult doctor.
	Inhaled:	Inhalation of dusts from this product may irritate the nose, throat, lungs, and upper respiratory tract. Persons subjected to large amounts of this dust will be forced to leave area because of nuisance conditions such as coughing, sneezing and nasal irritation from dust. Laboured breathing may occur after excessive inhalation. If respiratory symptoms persist, consult doctor.
Chronic:	Swallowed:	None known.
	Eye:	None known.
	Skin:	The powder will dry the skin. Prolonged exposure may cause cracking of the skin.
	Inhaled:	Respirable dust may cause lung disease or cancer. Prolonged breathing of excessive dust may adversely affect lung function.

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CARCINOGENICITY OF INGREDIENTS:

Crystalline Silica	IARC: Group 1 NTP: Anticipated In June, 1997, the International Agency for Research on Cancer (IARC) classified crystalline silica (quartz and cristobalite) as a human carcinogen. In making the overall evaluation, the IARC Working Group noted that carcinogenicity in humans was not detected in all industrial circumstances studied. Carcinogenicity may be dependent on inherent characteristics of the crystalline silica or on external factors affecting its biological activity or distribution of its polymorphs. IARC states that crystalline silica inhaled in the form of quartz or cristobalite from occupational sources is carcinogenic to humans (Group 1).
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EMERGENCY & FIRST AID PROCEDURES:

Treatment:	Swallowed:	No harmful effects expected. No specific recommendation. If gastric disturbance occurs, call doctor.
	Eye:	Immediately flush thoroughly with water for 15 minutes. If irritation persists, see doctor.
	Skin:	Wash with mild soap and water. A commercially available hand lotion may be used to treat dry skin areas.
	Inhaled:	Remove to fresh air. Leave the area of dust exposure and remain away until coughing and other symptoms subside. Other measures are usually not necessary, however if conditions warrant, contact doctor.
Target Organs:		Eyes, skin, and respiratory system.
Medical Conditions Which May Be Aggravated:		Pre-existing upper respiratory and lung diseases such as, but not limited to, bronchitis, emphysema and asthma.
Primary Route Of Entry:		Inhalation; Eye and/or Skin contact.
Facilities:		Eye wash bottles/tap.

PRECAUTIONS FOR USE

REACTIVITY DATA:

Stability:	Stable under normal conditions
Hazardous Polymerisation:	Will not occur
Conditions To Avoid:	Reduces violently when mixed with Aluminium Powder or Red Phosphorus at high temperature (>800 °C)
Hazardous Decomposition Products:	Above 1450 °C – CaO and SO ₂ .

PERSONAL PROTECTION INFORMATION:

Respiratory Protection:	During general handling a two-strap type dust mask is suitable. During milling or grinding of material use of an approved cartridge type mask is recommended.
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Ventilation: General or local ventilation during milling or grinding of material.

Protective Equipment: Safety Glasses.

SAFE HANDLING PROCEDURES

SPILLS & DISPOSAL

Spill/Leak Procedures: Product should be swept or vacuumed up, keeping dust generation to a minimum.

Waste Disposal Method: To standard landfill.

FIRE & EXPLOSION DATA

Flash Point (Method Used): Non Combustible.

Extinguishing Media: Use extinguishing media appropriate for surrounding fire.

Special Fire Fighting Procedures: None

Unusual Fire & Explosion Hazard: None

Special Fire Fighting Protective Equipment:: None

STORAGE & TRANSPORT:

Precautions In Storage: Packaged product should be kept dry and away from moisture. It is hygroscopic and tends to cake in moist environments.

Precautions In Transport: Minimise exposures in accordance with good hygiene practice. During handling wear the appropriate respiratory, eye and skin protection if warranted per environmental conditions.

OTHER INFORMATION

KEEP OUT OF REACH OF CHILDREN