MATERIAL SAFETY DATA SHEET

Agricultural Lime - from Townsville Lime & Gypsum Pty Ltd

Material Safety Data Sheets are provided to assist the user in compliance With the Work Health and Safety Act 2011 and associated with Australian Standards.

CHEMICAL DATA

Formula for Townsville Agricultural Lime

Townsville Lime & Gypsum Ag Lime is a high quality finely ground limestone produced from a quarry at Star River Project. Townsville Lime & Gypsum Agricultural Lime consists of calcium carbonate combined with small amounts of magnesium, iron and silicate minerals.

PARTICLE SIZE SPECIFICATIONS

0.30 - 0.85mm 41.1% passing (minimum)
<0.075mm 30.8% passing (minimum)

HAZARDS IDENTIFICATION

Not classified as dangerous goods according to Australian Standards

PHYSICAL DATA

Appearance and Odour

White fine powder, no odour

BOILING POINT

Not applicable, product is a powdered solid

Melting Point

825*C

VAPOUR PRESSURE

Not applicable, product is a powdered soluble

STABILITY

Product is Stable. Keep dry until used.

Incompatibility

Will react violently with acids (eg. Sulphuric acid). Fluorine, aluminium (hot) and ammonia salts.

BULK DENSITY

1.4 - 1.6 tonnes/cubic metre

PH:

8.74 - 10.5 (100g/l at 20*C)

FIRE FIGHTING MEASURES

Agricultural Lime is a non flammable and non-explosive. No hazardous decomposition products are expected during normal use of this product. If combusted it will release calcium oxide and carbon dioxide. Hazardous polymerisation will not occur.

HEALTH HAZARD DATA

ACUTE

Agricultural Lime can be a simple mechanical irritant to the eyes, skin, and upper respiratory system. Direct contact with the eyes may result in pain and redness. Inhalation can irritate the upper respiratory system causing coughing, and bronchitis at high levels. Prolonged skin contact may result in irritation, itching and possible rash. Ingestion of large doses may result in nausea, vomiting and gastrointestinal effects.

CHRONIC

Chronic respiratory effects are not expected to occur with over exposure at high levels due to the immediate irritant effects.

RESPIRATORY PROTECTION

In dusty environments, an approved Class P1 or P2 particulate respirator is recommended. **VENTILATION**

An exhaust fan deducted from near point of generation can be used to control airborne dust levels. Dust levels and other discharge of dust should comply with Health and Safety in Employment Legislation, Resource Consents and any relevant District or Regional Rules.

Eye Protection

Use tight fitting goggles or protective eyewear in dusty environments.

SKIN PROTECTION

Use impervious, abrasion and alkali resistant gloves, boots and protective clothing to protect the skin from prolonged contact with wet dust. Immediately after working with wet dust, workers should shower with soap and water.

EMERGENCY AND FIRST AID PROCEDURES

Pour clean water into eyes for at least 15mins and seek medical attention if irritation persists. Wash exposed skin areas with soap and plenty of water. If irritation develops, seek medical attention. If ill effects due to inhalation, move the person into fresh air. Keep warm, quiet and seek medical attention. **STORAGE AND HANDLING**

The material should be kept free from moisture until used. Normal temperatures and pressures do not affect the material. Promptly remove dusty clothing or clothing which is wet with Ag Lime fluids and launder before reuse. Wash thoroughly after exposure to dry or wet dust mixtures and fluids.

Note: This Material Safety Data Sheet attempts to describe as accurately as possible the potential exposures associated with normal lime use.Health and safety precautions in the data sheet may not be adequate for all individuals and/or situations. Users have the responsibility to evaluate and use this product safely and to comply with all applicable laws and regulations if unsure of its currency please contact: Townsville Lime & Gypsum Head office. PH:40611490

This MSDS was updated on the 31July 2021