

MATERIAL SAFETY DATA SHEET



Limestone

IDENTIFICATION

UN number: N/A
DG Class: N/A

Hazchem Code: N/A
Toxic Substances Sch.: N/A

HMIS- Calcium Carbonate	
HEALTH	0*
FLAMMABILITY	0
REACTIVITY	0
PERSONAL PROTECTION	E



Product Name: Limestone 205, Stonedust, MK100, K300, Agricultural Lime

Chemical Name: 95–98% Calcium Carbonate, CaCO₃; CAS#: 1317-65-3
1%–2% Magnesium Carbonate, MgCO₃; CAS#: 13717–00–5
0.1%–0.2% quartz: CAS# 14808–60–7

Physical Description/Properties:

White to off white powder or chip. Odourless. Sparingly soluble in water (13mg/L).

Decomposition Temp: 800°C liberates carbon dioxide yielding a reactive, alkaline powder that reacts exothermically with water

Melting Point: 825°C

Specific Gravity: 2.70 g/cm³

HEALTH HAZARD INFORMATION

Health Effects:

Swallowed: None
Eye: Irritation of cornea
Skin: Repeated or prolonged exposure may dry out the skin and cause irritation.
Inhaled: Irritation of lungs, coughing or choking may occur.

This product contains a small percentage of crystalline silica. There is an established link between long term inhalation of dusts containing crystalline silica with lung disease. Adequate measures should be taken to ensure exposure is avoided.

The product is essentially of low hazard as the silica levels are low as reasonably practicable and should not exceed the inhalable dust standard of 10mg/m³.

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First Aid:

- Swallowed: Give small quantities of water, only if the patient is not losing consciousness and not convulsing.
- Eye: Flush out with a gentle stream of clean water until irritation is gone.
- Skin: Wash off with water (non irritant)
- Inhaled: Remove the patient to fresh air and rest.
- Toxicity Data: Aquatic Toxicity (LC50) 750ppm

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 a NIOSH/MSHA approved dust mask, eye protection and skin protection.
- Flammability:** Non flammable

SAFE HANDLING INFORMATION

- Storage & Transportation:** Store in a dry, well ventilated environment under cover.
- Spills and Disposal:** Wear a dust mask & sweep up. Calcium Carbonate is a natural mineral, therefore can be buried safely.
- Fire/Explosion Hazard:** Not flammable
- Other Information:** While not flammable, it may decompose as a result of being in the midst of a fire to calcium oxide, which will react with water to give a caustic solution.

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