



Material Safety Data Sheet

Limestone Chip – from McDonald's Lime Limited

Material Safety Data Sheets are provided to assist the user in compliance with the Health and Safety in Employment Act 1992 and associated regulations.

CHEMICAL DATA

Formula for McDonald's Limestone Chip:

McDonald's Limestone Chip is a clean limestone aggregate produced in various sizes from our quarry at Oparure.

McDonald's Limestone Chip consists of calcium carbonate combined with small amounts of magnesium, iron and silicate minerals.

HAZARDS IDENTIFICATION

Not classified as a dangerous good according to NZS 5433.

UN No. None Allocated

Hazchem Code None Allocated

HASNO Class 6.4A

HASNO Approval No. 002503

PHYSICAL DATA

Appearance and Odour:

White/grey solid aggregate, no odour

Boiling Point:

Not applicable, product is a solid aggregate

Melting Point:

825°C

Vapour Pressure:

Not applicable, product is a solid aggregate

Bulk Density:

1.3 – 1.6 tonnes/cubic metre

pH:

9.5 - 10.5 (100g/l at 20°C)

GENERAL SIZE RANGES

0.5 – 1.0mm 1.0 – 2.5mm 2.0 – 6.0mm

6 – 15mm 15 – 25mm 25 – 50mm

Rocks (assorted sizes) Slab Stones (assorted sizes)

STABILITY AND REACTIVITY

Stability:

Product is stable.

Incompatibility:

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

FIRE FIGHTING MEASURES

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

HEALTH HAZARD DATA

Acute:

Limestone Chip 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 irritation.

Chronic:

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

This product contains small amounts of crystalline silica. Long-term exposure to crystalline silica causes silicosis, a form of pulmonary fibrosis. Continued exposure to crystalline silica can lead to cardiopulmonary impairment. Symptoms are usually delayed (10 years or more).

EXPOSURE CONTROLS/PERSONAL PROTECTION INFORMATION

Name	Formula	CAS number	Proportion	NZ-WES-TWA
Calcium Carbonate	CaCO ₃	1317-65-3	92%	10mg/m ³ as inspirable dust 3mg/m ³ as respirable dust
Quartz	SiO ₂	14808-60-7	<2%	0.2mg/m ³ as respirable dust

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 15 minutes 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 person to fresh air. Keep warm, quiet and seek medical attention.

SPILL PROCEDURES

Steps to be taken in case material is spilled; use dry clean up methods that do not disperse dust into the air. Avoid inhalation of dust and contact with skin. Emergency procedures are not required.

Disposal method:

Uncontaminated material can be stored for later use or disposed of as common waste. Material should be kept out of storm water or sewer drains, any discharge during clean up should comply with any relevant District or Regional Council Requirements.

STORAGE AND HANDLING

Normal temperatures and pressures do not affect the material. Promptly remove dusty clothing or clothing which is wet with Limestone Chip fluids and launder before reuse. Wash thoroughly after exposure to dry or wet dust, and 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 McDONALD'S LIME.

MANUFACTURER'S
NAME AND ADDRESS:

HEAD OFFICE
McDonald's Lime Limited
498 Old Te Kuiti Road
RD 6
OTOROHANGA
Ph (07) 873 6740
Fax (07) 873 7829

**PRODUCT NAME AND
SYNONYMS**

Limestone Chip
Also referred to as:
Limestone Aggregate,
Calcium Carbonate

**NATIONAL POISONS
CENTRE**

Ph 0800 764 766

