



The world's most versatile mineral

CHILLAGOE PERLITE (2LD) PTY LTD
 445 TUMAROO CREEK ROAD, MAREEBA QLD 4880
 Ph: 07 4092 5222 or 0417 777 821
 email: ian@chillagoeperlite.com.au

MATERIAL SAFETY DATA SHEET - VERMICULITE

Issued 7th March 2020

STATEMENT OF HAZARDOUS NATURE

Not classified as hazardous according to NOHSC criteria of Worksafe Australia.

CONSISTUENTS

Crystalline quartz

% Worksafe TWA

<1 0.2mg/m

PRODUCT IDENTIFICATION

Product Name:

Exfoliated Vermiculite Grades 1-4 0.09-16mm

Description:

Hydrated magnesium-aluminium-iron silicate

Product Use:

Agriculture, Construction, Fire protection

PHYSICAL PROPERTIES

Manufactured:

At temperatures exceeding 900°C

Appearance:

Golden brown concertina shaped granules

Water Solubility (g/L):

Insoluble

Flammability:

Non flammable

Specific Gravity:

Approximately 50-120kg/m³

Bulk Density:

60-100kg/m³

Melting Point:

Approximately 1300°C

PH in 10% slurry by volume:

8-10

Storage Life:

Indefinite if kept dry

Vapour Pressure:

Not applicable

Flash Point °C:

Not applicable

Freezing & Boiling Point:

Not applicable

Explosion Data:

Not applicable

INGREDIENTS

Vermiculite Ore

CAS NO PROPORTION

1318-00-9 greater than 99%

Crystalline Silica (Quartz)

1408-60-7 less than .01%

Crystalline Silica (Cristobalite)

14464-46-1 less than .01%

HEALTH HAZARD INFORMATION & FIRST AID

Acute – Ingestion

No adverse effects expected, rinse mouth with water and drink plenty of water

Acute – Eye

Exposure to the dust may cause irritation due to the particulate nature. Flush eyes thoroughly with clean water. If irritation persists seek medical advice.

Acute – Skin

No adverse effects expected

Acute – Inhaled

May cause respiratory irritation. Remove from source of exposure, remove contaminated clothing, rest until fully recovered.

Advice to Doctor:

Treat symptomatically



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PRECAUTIONS FOR USE

Exposure Limits:

OSHA PEL ACGIH TLV

15 mg/m³ 10mg/m³

Recommendations:

Eyes – General use industrial safety glasses meeting the requirements of AS1337.

Hands – Hand protection should comply with AS2161

Respiratory – if dust exists wear dusk mask meeting the requirements of AS1715 and AS1716.

Clothing – general use industrial wear

Always wash hands before eating, drinking or using the toilet.

SAFE HANDLING INFORMATION

Storage & Transport Precautions:

Not defined as dangerous goods. Store in a dry area in sealed bags. Minimise dust generation when handling.

Keep away from:

Avoid use in areas of high draughts or winds,

Spills and leaks:

Use respirators and eye protection. Sweep spillage into bags. Vacuum remaining traces. Can be used as landfill.

OTHER INFORMATION

Toxicology: Inhaling crystalline silica-containing dust can aggravate upper respiratory conditions such as asthma or emphysema. Long term exposure to mineral dust which contains crystalline silica can cause the lung disease silicosis. A recent review by the International Agency for Research into Cancer of public literature on the carcinogenic risk of silica and silicates has concluded that there is limited evidence for the carcinogenicity of crystalline silica to humans

In the case of an emergency contact the Company on (07) 4092 5222 or 0417 777 821.

This material safety data sheet and the information contained herein is provided for the sole purpose of enabling persons handling and using the product to do so with safety. Each user should read this MSDS and consider the information in the context of how the product will be handled and used, including in conjunction with other products.