



The world's most versatile mineral

CHILLAGOE PERLITE (2LD) PTY LTD
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MATERIAL SAFETY DATA SHEET – EXPANDED PERLITE

Issued 7th March 2020

STATEMENT OF HAZARDOUS NATURE

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

CONSISTUENTS

	%
Sodium Potassium Aluminium Silicate (perlite)	100%

PRODUCT IDENTIFICATION

Product Name:	Perlite: Fine, Medium, Coarse, Super Coarse, Jumbo
Description:	Hydrated perlite ore
Product Use:	Horticulture, Insulation, Construction & Filter applications

PHYSICAL PROPERTIES

Appearance:	White, odourless, free-flowing granules
Water Solubility (g/L):	<1%
Flammability:	Non flammable
Specific Gravity:	200-250kg/m ³
Bulk Density:	20-120kg/m ³
Melting Point:	Approximately 1280°C
PH in 10% slurry by volume:	7-8
Boiling Point:	Not applicable
Vapour Pressure:	Not applicable
Flash Point °c:	Not applicable
Explosion Data:	Not applicable

INGREDIENTS

	CAS NO	PROPORTION
Perlite Ore	93763-70 -3	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. If vomiting occurs give more water and seek medical advice.
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. Wash skin with soap and water. If irritation continues seek medical advice.
Acute – Inhaled	May cause respiratory irritation. Remove from source of exposure, remove contaminated clothing, rest until fully recovered.
Advice to Doctor:	Treat symptomatically

100% Owned, mined, manufactured and packaged in Australia.



CALLAGOE PERLITE (2LD) PTY LTD

MATERIAL SAFETY DATA SHEET - VERMICULITE

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PRECAUTIONS FOR USE

Exposure Limits:

OSHA PEL ACGIH TLV

15 mg/m³ 10mg/m³

Recommendations:

No values assigned for this specific material.

Recommended:

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

Hands – Hand protection should comply with AS2161

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

Clothing – general use industrial wear

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

REACTIVITY:

Reacts with Hydrofluoric acid: soluble in HF

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.