



SAFETY DATA SHEET

Section 1: PRODUCT INFORMATION

PRODUCT NAME: Perlite

TRADE NAMES: Blockfill Envirofil Holiday
 Micafil Peatlite

CHEMICAL NAME: Sodium Potassium Aluminum Silicate

CHEMICAL FAMILY: Silicate

MATERIAL USE: Functional additive, filter aid, light weight aggregate, absorbant horticultural aggregate, fireproofing, loose fill insulation, pipe and duct insulation, plasters and mortars

RESTRICTION ON USE: NONE known

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(CANUTEC) :

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Section 2: HAZARDS IDENTIFICATION

OSHA GHS HAZARD

CLASSIFICATION: NOT CLASSIFIED AS HAZARDOUS (Nuisance dust only)

HAZARDS NOT OTHERWISE

CLASSIFIED: NONE

LABEL ELEMENTS: NO GHS LABELLING REQUIRED

Section 3: COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENTS IDENTIFICATION	APPROXIMATE CONCENTRATION	C.A.S. NUMBERS	EINECS
Perlite, expanded	100%	93763-70-3	Not assigned

Section 4: FIRST AID MEASURES

EYE: Flush eye with water or eye rinse solution. Consult a physician if irritation persists.

SKIN: Wash hands. Use moisture renewing lotions if dryness occurs.

INGESTION: Drink generous amounts of water to reduce bulk and drying effects.

INHALATION: Remove to fresh air. Blow nose to evacuate dust.

MOST IMPORTANT SYMPTOMS/EFFECTS, ACUTE AND DELAYED:

Dust may cause abrasive irritation to eyes. Prolonged skin contact may cause dryness.

Dust may cause nose, throat and upper respiratory tract irritation. Prolonged inhalation of high concentration of dust may cause lung effects.

INDICATION OF IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT, IF NECESSARY:

Immediate medical attention is not normally required. If dust irritates the eyes, seek medical attention.

Section 5: FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA: Not applicable, the material is not combustible.

SPECIFIC HAZARD ARISING FROM THE CHEMICAL: Not applicable, the material is not combustible.

SPECIAL PROTECTIVE EQUIPMENT AND PRECAUTIONS FOR FIRE-FIGHTERS:

Not applicable, the material is not combustible.

Section 6: ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS: If dust is present, use respirator fitted with particulate filter, as specified Section 8. Protect eyes with goggles.

ENVIRONMENTAL PRECAUTIONS: This product is not a significant environmental concern.

METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP:

Vacuum clean spillage, wet sweep or wash away. Avoid creating dust.

Place in a container for use or disposal.

Section 7: HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING:

Minimize dust generation. Avoid contact with eyes. Avoid breathing dust.

Repair or dispose of broken bags. Observe all labels precautions and warnings.

CONDITIONS FOR SAFE STORAGE: Store in a dry place to maintain packaging integrity and product quality.

Do not store near hydrofluoric acid or strong basic solutions.

Section 8: EXPOSURE CONTROL/PERSONAL PROTECTION

Component	OSHA PEL	ACGIH TLV	MSHA PEL	NIOSH REL
Perlite, expanded	5 mg/m ³ (respirable dust) 15 mg/m ³ (total dust)	None established	30 mppcf	5 mg/m ³ (resp. dust) 10 mg/m ³ (total dust)

ENGINEERING CONTROLS: Use general or local exhaust ventilation to control dust within recommended exposure limits. Refer to ACGIH publication 'Industrial Ventilation' or similar publications for design of ventilation systems.

PERSONAL PROTECTIVE EQUIPMENT

EYE/FACE PROTECTION:	Goggles to protect from dust.
SKIN PROTECTION:	No special equipment is needed.
RESPIRATORY PROTECTION:	Appropriate NIOSH/OSHA approved dust respirator, NIOSH/OSHA tight-fitting safety glasses and gloves.
GENERAL HYGIENE:	Avoid breathing dust. Avoid contact with eyes. Wash hands after handling and before eating or drinking.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE, COLOR	White to off white powder or granules		
PHYSICAL STATE	Solid	VAPOR DENSITY	Not applicable
VAPOR PRESSURE	Not applicable	ODOR THRESHOLD	Not applicable
ODOR	Odorless	FLASH POINT	Not applicable
BOILING POINT	Not applicable	FLAMMABILITY LIMITS	Not applicable
FLAMMABILITY (solid/gas)	Not applicable	Ph (10% SUSPENSION)	7
MELTING POINT	> 800' C	DECOMPOSITION TEMPERATURE	> 800' C
AUTOIGNITION TEMPERATURE	Not applicable	SOLUBILITY - WATER	< 1%
EVAPORATION RATE	Not applicable	PARTITION COEFFICIENT-n-	
SPECIFIC GRAVITY	2,3	OCTANOL/WATER	Not applicable
BULK DENSITY	Less than 10 lbs per cubic foot		

Section 10: STABILITY AND REACTIVITY

STABILITY: Stable under normal use and conditions.

REACTIVITY HAZARDS: Hydrofluoric Acid

HAZARDOUS DECOMPOSITION PRODUCTS:
Will react with hydrofluoric acid to produce toxic silicon tetrafluoride.

HAZARDOUS POLYMERIZATION: NONE

Section 11: TOXICOLOGICAL INFORMATION

ACUTE TOXICITY INFORMATION: None

LD50/LC50/LCLo (Oral, Dermal, Inhalation) Not established

SYMPTOMS: Inhalation may cause throat irritation resulting in coughing or sneezing and may aggravate pre-respiratory conditions.

DELAYED EFFECTS OF SHORT AND LONG-TERM EXPOSURE: None known

MUTAGENIC EFFECTS: None

CARCINOGENIC EFFECTS: None

REPRODUCTIVE TOXICITY (reproductive, developmental, tetragenic): None

SPECIFIC TARGET ORGAN TOXICITY (single or repeated exposure): None

Section 12: ECOLOGICAL INFORMATION

Perlite is a natural occurring mineral and has no known ecotoxic effects.

Section 13: DISPOSAL CONSIDERATIONS

Perlite, by itself, is a non-hazardous waste and should be disposed of in accordance with applicable local, provincial and federal regulations.

Section 14: TRANSPORTATION INFORMATION

PROPER NAME: Expanded Perlite

DOT: Not regulated

TDG/IMO/ICAO: Not regulated

Section 15: REGULATORY INFORMATIO

OSHA: Perlite is NOT considered a hazardous or toxic substance.
WHMIS: Not applicable
SERA: Not listed
TSCA: Not listed

Section 16: OTHER INFORMATION

The information provided in this document is correct to the best of our knowledge as of the publication date. This information pertains only to the material specified and may not be valid when this material is combined with other materials or subjected to other processes. No warranty or quality specification is implied by this information. It is the responsibility of the user to handle the designated material in a safe manner and comply with all applicable local, provincial and federal regulations.

Date: January 6, 2025