SAFETY DATA SHEET

Date Revised: 1/20/2021

SECTION 1: PRODUCT IDENTIFICATION

Product Name:	Expanded Perlite – All Grades
Chemical Name:	Sodium Potassium Aluminum Silicate
CAS #:	93763-70-3
Uses:	Horticulture, Construction, Industrial, and Environmental Quality Applications

Manufacturer:
Supreme Perlite Company
4600 N Suttle Road
Portland, Oregon 97217
Phone: (503) 286-4333
Website: www.supremeperlite.com

SECTION 2: HAZARD IDENTIFICATION

OSHA Classification:	Considered a nuisance dust only
Signal Word:	None required
GHS Pictogram:	None required
Hazard Statements:	None required
HNOC:	None required

Supplemental Statements:

- Inhalation may cause throat irritation resulting in coughing or sneezing and may aggravate pre-existing respiratory conditions.
- Direct eye contact may cause mechanical irritation.
- Direct skin contact may cause irritation, drying and roughness.

Supplemental Recommendations:

- Avoid creating unnecessary dust, and wear NIOSH approved dust protection mask.
- Wear NIOSH approved eye protection when encountering perlite dust.
- Apply skin creams or lotions to prevent drying.
- Dispose of waste in accordance with applicable local, State, and Federal regulations.

SECTION 3: COMPOSITION & INFORMATION ON INGREDIENTS

Perlite CAS #:	93763-70-3 – 100%
Quartz (crystalline silica):	none or below detectable limit (<0.1%)

SECTION 4: FIRST AID MEASURES

Inhalation:	Remove to fresh air. Blow nose. Consult physician if symptoms persist.
Eyes:	Flush with water. DO NOT rub eyes. Consult physician if symptoms persist.
Skin:	Wash with water. Apply creams or lotions to prevent drying.

SECTION 5: FIRE FIGHTING MEASURES

Non-flammable

SECTION 6: ACCIDENTAL RELEASE MEASURES

Spill or Leak Procedures:	Use appropriate Personal Protective Equipment (PPE) and avoid creating unnecessary dust using normal cleanup methods: shovels brooms, vacuum with HEPA filter, or wet material prior to cleanup.

SECTION 7: HANDLING & STORAGE

Handling Precautions:	Avoid creating unnecessary dust and use appropriate respiratory and eye protection.
Storage Precautions:	Keep material dry
Incompatible Materials:	Hydrofluoric acid

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Limits:	OSHA PEL – 15 mg/m^3 ACGIH TLV – 10 mg/m^3
Engineering Controls:	Adequate ventilation to keep concentrations below exposure limits.
Recommended PPE:	Appropriate NIOSH/OSHA approved dust respirator, NIOSH/OSHA tight-fitting safety glasses or goggles and gloves.

SECTION 9: PHYSICAL & CHEMICAL PROPERTIES

Physical State (Appearance):	Solid white or gray powder or granules.
Odor:	Odorless
pH:	6-9 (10% slurry in water)
Flash Point:	N/A
Boiling Point:	N/A
Auto-ignition Temperature:	N/A
Melting Point:	2,100 F – 2,300 F
Boiling & Decomposition Points:	N/A
Specific Gravity:	2.3
Bulk Density:	less than 10 lbs per cubic foot
Water Solubility:	Negligible
Co-efficient of Water/Oil Distribution:	N/A

SECTION 10: STABILITY & 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/LDLo (Oral, Dermal, Inhalation): Not established

Symptoms:

- Inhalation may cause throat irritation resulting in coughing or sneezing and may aggravate pre-respiratory conditions.
- Direct eye contact will cause mechanical irritation.
- Direct skin contact may cause drying and roughness.
- Ingestion – no symptoms known
- Aspiration Hazard – none

Delayed Effects of Short and Long-term Exposure: None known
Mutagenic Effects: None
Carcinogenic Effects: None
Reproductive Toxicity (reproductive, developmental, teratogenic): None
Specific Target Organ Toxicity (single or repeated exposure): None

SECTION 12: ECOLOGICAL INFORMATION

Perlite is a naturally 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, State and Federal regulations.

SECTION 14: TRANSPORTATION INFORMATION

Proper Name: Expanded Perlite
DOT: Not Regulated
TDG/IMO/ICAO: Not Regulated

SECTION 15: REGULATORY INFORMATION

OSHA: Perlite is NOT considered a hazardous or toxic substance.
WHMIS: N/A
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, State and Federal regulations.