

Version: 3 (US)

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## SECTION 1: PRODUCT IDENTIFICATION

**Product Name :** X-Bond Additive  
**Chemical Name:** Sodium Potassium Aluminum Silicate  
**CAS #:** 93763-70-3  
**Uses:** Industrial Mineral for Horticulture, Construction, Industrial, Insulation, and Environmental Applications

**Manufacturer :** SEMCO Modern Seamless Surface Inc  
3620 West Reno Ave  
Las Vegas, NV 89118  
Phone: 702 222-9495

## SECTION 2: HAZARDS IDENTIFICATION

**OSHA Classification:** Considered a nuisance dust only  
**Signal Word:** None required  
**Pictograms:** 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 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 :** none detected  
**(crystalline silica)**

## 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<sup>3</sup> ACGIH TLV – 10 mg/m<sup>3</sup>

**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 AND 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

**Flash Point:** 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 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/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 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, 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.

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