

MATERIAL SAFETY DATA SHEET

No. 03 (2 pages)

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Page 1 of 2

1. PRODUCT IDENTIFICATION

Trade Name(s): Tech-Flo 2000X
Generic Name: Perlite (Expanded) CAS #:93763-70-3*
Chemical Name: Amorphous alumina silicate Formula: Mixture
EINECS: Unknown
Supplier: General Filtration
Address: 441-A Applewood Crescent Telephone: (905) 761-9000
Concord, ON L4K 4J3 FAX: (905) 761-9001

2. PRODUCT INGREDIENTS

<u>INGREDIENT NAME</u>	<u>CAS NUMBER</u>	<u>%</u>	<u>PERMISSIBLE EXPOSURE LIMIT</u>
Perlite expanded, milled particle-size classified	93763-70-3*	100	ACGIH PEL = 10 mg/M ³ OSHA PEL = 15 mg/M ³ total dust or 5 mg/M ³ respirable dust

No Detectable Crystalline Silica using X-Ray Diffraction and Microscopic Analysis

3. PHYSICAL DATA

Appearance and Odor:	White/off white powder; odorless	Evaporation Rate:	N/A
Boiling Point:	N/A	Specific Gravity (water=1):	2.28
Vapor Pressure:	N/A	Melting Point:	2400 °F
Water Solubility (%):	Negligible	% Volatile by Volume:	N/A
Vapor Density (air=1):	N/A		

4. FIRE AND EXPLOSION DATA

Flash Point (Method):	Nonflammable	Unusual Fire or Explosion Hazards:	None
Flammable Limits:	N/A	Special Fire-Fighting Procedures:	None
Extinguishing Media:	N/A	Auto-Ignition Temperature:	N/A

NFPA Flammable/Combustible Liquid Classification: N/A

5. HEALTH HAZARDS A. Summary/Risks

Summary: No hazard. ACGIH documentation states “. . .No data. . .found. . .to indicate that exposure to perlite dust. . .has resulted in adverse physiological effects.”

Medical Conditions Which May be Aggravated by Exposure: Pre-existing upper respiratory and lung disorders (such as bronchitis, emphysema, asthma, or others). Sensitivity to inert dust may cause coughing from exposure to significant concentrations of airborne material.

Target Organ(s): Lungs
Primary Entry Route(s): Inhalation
Acute Health Effect: Transitory upper respiratory irritant.
Chronic Health Effects: See Summary. Follow the safe handling practices shown on the product bag label.

5. HEALTH HAZARDS B. Signs/Symptoms of Overexposure

Inhalation: Coughing, irritation of nose and throat; congestion may occur upon overexposure.
Skin Contact: N/A
Skin Absorption: N/A
Ingestion: Not hazardous. Generally regarded as safe by the FDA.
Eyes: Temporary irritation and/or inflammation.

5. HEALTH HAZARDS C. First Aid/Emergency Procedures

Inhalation: Depart from dusty area; drink water to clear throat; blow nose to evacuate dust.
Skin Contact: N/A
Skin Absorption: N/A
Ingestion: N/A
Eyes: Do not rub eyes. Flush eyes with copious amounts of water to remove any dust particles. Consult a physician if irritation persists.

6. REACTIVITY DATA

Stability: Material is stable. Hazardous polymerization will not occur.
Chemical Incompatibilities: Hydrofluoric acid
Conditions to Avoid: None in designed use. Avoid contact with hydrofluoric acid.
Hazardous Decomposition Products: Reacts with Hydrofluoric acid to form toxic silicon tetrafluoride gas.

7. SPILL OR LEAK PROCEDURES

Procedures for Spill/Leak: Vacuum clean or wet sweep; avoid dusting; use a dust suppressant when sweeping.
Waste Management: Not considered as hazardous waste by RCRA (40 CFR Part 261). Place waste and spillage in closed containers. Dispose in approved landfill. RQ-N/A

8. SPECIAL PROTECTION INFORMATION

Goggles: Normally not required. May use safety eyewear to protect from dusts.
Gloves: Normally not required. May use gloves to protect overly sensitive skin.
Respirator: Even though perlite is only a nuisance dust, we recommend the use of NIOSH approved respirators to protect against silicosis producing dusts.
Ventilation: Use adequate exhaust ventilation and/or dust collection to keep dust levels below PEL.

Special Considerations for Repair/Maintenance of Contaminated Equipment: Insure proper respiratory protection.

9. SPECIAL PRECAUTIONS

Storage Segregation Hazard Classes: N/A

***** ALWAYS SEGREGATE MATERIALS BY MAJOR HAZARD CLASS *****

Special Handling/Storage: Store in dry place. Repair all broken bags immediately. Avoid creating dust. Maintain good housekeeping practice.
Special Workplace Engineering Controls: Adequate ventilation and appropriate local exhaust where needed to keep dust levels below PEL.
Other: Comply with all Federal, State and local regulations.

Prepared/Revised by: A. Barclay, P.Eng.

As of the date of preparation of this document, the foregoing information is believed to be accurate and is provided in good faith to comply with applicable Federal and State law(s). However, no warranty or representation with respect to such information is intended or given.
