

MATERIAL SAFETY DATA SHEET

1. PRODUCT IDENTIFICATION

Product: Natural Zeolite

CAS No. 1318-02-1

Chemical Name: Potassium-calcium-sodium-aluminosilicate

Synonyms: Clinoptilolite

Empirical Formula: $(K,Ca,Na) 2O \cdot Al_2O_3 \cdot 10SiO_2 \cdot 6H_2O$

Chemical Family: Molecular Sieve

UN 32 (7.5%) Urea, ammonium nitrate

Dot Shipping Name: Non Hazardous Dry Freight

2. COMPANY IDENTIFICATION

Company Name: **Filter Innovations Inc.**

Mailing Address: 744 Gordon Baker Road

Phone Number: 416-490-7848

Fax Number: 416-490-0974

3. HEALTH HAZARD DATA

Hazardous Ingredients: May contain Free Silica

Route of Entry: Inhalation

Health Hazard: (Acute & Chronic) Prolonged exposure to respirable silica may cause health risks.

Signs & Symptoms of Exposure: None

4. FIRST AID MEASURES

Swallowing:	If ingested in large quantities contact physician for permission to induce vomiting.
Skin Contact:	None
Inhalation:	Remove the person to fresh air.
Eye Contact:	Immediately flush eyes with water for 15 minutes.
Notes to Physician:	If this product has been treated with a material of a hazardous nature, identify material and treat accordingly.

5. PHYSICAL & CHEMICAL CHARACTERISTICS

Color:	Green
Odor:	None
Boiling Point:	Not applicable
Freezing Point:	Not applicable
Melting Point:	1800 F
Vapor Pressure:	Not applicable
Vapor Density:	Not applicable
Specific Gravity:	2.0 - 2.4
Solubility in Water:	0
Evaporation Rate:	Not applicable

6. FIRE AND EXPLOSION DATA

Flash Point:	Not applicable
Flammable Limits:	Not applicable
LEL:	Not applicable
UEL:	Not applicable
Extinguishing Media:	Not applicable
Special Fire Fighting Procedures:	Non Combustible
Unusual Fire and Explosion Hazards:	None

7. REACTIVITY DATA

Stability:	Stable
Conditions to avoid:	Not applicable
Incompatibility (Materials to avoid):	None
Hazardous Polymerization:	Will not occur
Conditions to avoid:	Not applicable

8. SAFE HANDLING AND USE

Steps to be taken in case material is released or spilled:	It is recommended to ensure compliance with various state or federal regulations that any significant quantities spilled in surface waters be reported to appropriate state or federal officials.
Waste disposal method:	Spills should be cleaned up in a manner that does not generate dust and disposed of in a landfill. If raw material has been treated with
Precautions to be taken in handling and storage:	toxic or hazardous substances material should be disposed of accordingly. Avoid breathing nuisance dust.

**9. EXPOSURE CONTROL
MEASURES**

Respiratory Protection:	Wear OSHA approved dust respirators to avoid nuisance dust when the permissible exposure limit might be exceeded.
Ventilation:	
Local Exhaust:	Exhaust ventilation is recommended for operations where the permissible exposure limit might be exceeded.
Mechanical:	Not applicable
Special:	Not applicable
Other:	Not applicable
Eye Protection:	Safety glasses or goggles should be worn to prevent dust from entering eyes.
Protective Clothing:	Suitable coverall and gloves recommended. Skin contact can cause desiccating effects, removal of natural oils and result in chaffing, dry skin
Other:	Not applicable

**10. ECOLOGICAL
CONSIDERATIONS**

Waterfowl toxicity:	None known
Aquatic toxicity:	None known
Food chain concentration potential:	None expected
Biochemical oxygen demand:	None, products are not biodegradable.
Atmospheric:	Contain no ozone depleting substances.