

1. PRODUCT IDENTIFICATION

Product: Clinoptilolite CAS No. 1318-02-1

Chemical Name: Potassium-calcium-sodium-aluminosilicate

Empirical Formula: (K,Ca,Na) 2O-Al₂O₃-10SiO₂-6H₂O

Dot Shipping Name: Non-Hazardous Dry Freight

2. HEALTH HAZARD DATA

Hazardous Ingredients: None known

Route of Entry: Inhalation

Health Hazard: Signs & Symptoms of Exposure: None

3. 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.

4. PHYSICAL & CHEMICAL CHARACTERISTICS

Color: Green Odor: None

Melting Point: 1800 F Specific Gravity: 2.0 - 2.4 Solubility in Water: 0

5. 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

6. REACTIVITY DATA

Stability: Stable

Incompatibility (Materials to avoid): None

Hazardous Polymerization: Will not occur

8. SAFE HANDLING AND USE

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: Disposed of in a landfill

Precautions to be taken in handling and storage: Avoid breathing nuisance dust.

8. EXPOSURE CONTROL MEASURES

Respiratory Protection: Wear OSHA approved dust respirators to avoid nuisance dust when the permissible exposure limit might be exceeded.

Ventilation: Exhaust ventilation is 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

9. 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