

Issue Date: March 1994	Revised: 08/020/04	Revision No. 1
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Section I. Product Identification

Product Name: **TURBIDEXTM Filter Granules**

Chemical Name: Clinoptilolite Zeolite / Potassium, Calcium, Sodium Aluminosilicate, Hydrated

Formula: $(K_2, Ca_2, Na_2) O-Al_2O_3-10SiO_2-8H_2O$

CAS Registry: 12173-10-3

Section II. Product Ingredients

NAME	PERCENT	OSHA PEL and/or ACGIH TLV
Natural zeolite mineral GRANULES	100	0.5 mg/m ³

Section III. Physical and Chemical Properties

BOILING RANGE	Not applicable
specific gravity	2.2 – 2.4
Evaporation Rate	Not applicable
Vapor Density (Air=1)	Not applicable
% Volatile weight	Not Applicable
physical Appearance	Off-white/green granules

Section IV. Fire and Explosion Data

flammability classification	Not Applicable
Flash Point	Not Applicable
Extinguishing Media	Not Applicable
Unusual fire and Explosion Hazards	None

Section V. Health Hazard Data

Summary: This product contains crystalline silica. Long-term inhalation of crystalline silica dusts may cause lung disease (silicosis). IARC, a unit of the World Health Organization, has stated, "there is limited evidence for the carcinogenicity of crystalline silica to humans." NTP and/or OSHA have not classified this product as a carcinogen. Crystalline silica is present in quantities of less than 0.01%.

Medical conditions that may be aggravated	Pre-existing upper respiratory irritation and lung disease
Target organs	Lungs
Primary entry route	Inhalation
Acute health effects	Transitory upper respiratory irritant.
Chronic health Effects	Long-term inhalation of dust levels in excess of the PEL may cause lung disease (silicosis).
Eye Contact	Temporary irritation and/or inflammation
Skin contact/absorption	Not applicable
Inhalation	Coughing and/or irritation of nose and throat.
Ingestion	Not hazardous

Section VI. Reactivity Data

Stability	Stable
Incompatibility	None known
Hazardous Decomposition or By-products	None known
Conditions to Avoid	None known

Section VII. Spill or Leak Procedures

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED	Sweep up; avoid making dust, place in suitable waste container.
Waste Disposal	Disposal of material in accordance with local, state and federal regulations
Environmental Hazards	None known
Handling/Storage	Store in a dry place, maintain good housekeeping practices.

Section VIII. Safe Handling and Use Information

RESPIRATORY PROTECTION	Use NIOSH approved respirators for protection from silicosis producing dusts.
PROTECTIVE GLOVES	Not required
EYE PROTECTION	Avoid eye contact, safety glasses may be necessary.
VENTILATION	Use adequate ventilation and/or dust collection to keep dust levels below PEL.
OTHER PROTECTIVE CLOTHING AND EQUIPMENT	Not required.

Section IX. Emergency First Aid Procedures

INHALATION	Remove from dusty area, drink water to clear
INGESTION	Not applicable
SKIN CONTACT/ABSORPTION	Not applicable
EYES	Flush with water.

