

# MATERIAL SAFETY DATA SHEET

94

Issue Date: March 1994

Revised: 11/06/01

Revision No. 2

## Section I. Product Identification

Product Name: **ChemSorb® Filter Granules (14 x 40 mesh)**  
 Chemical Name: Sodium, Calcium Aluminosilicate, Hydrated  
 Formula:  $\text{Ca}_2(\text{K}, \text{Na})_2\text{Al}_8\text{Si}_{28}\text{O}_{72} \cdot 24\text{H}_2\text{O}$

## Section II. Product Ingredients

NAME	PERCENT	OSHA PEL and/or ACGIH TLV
NATURAL ZEOLITE MINERAL ORE	100	0.5 mg/m <sup>3</sup>

## 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	Light 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 that "there is limited evidence for the carcinogenicity of crystalline silica to humans." This product has not been classified as a carcinogen by NTP and/or OSHA.

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

**Filter Flow Technology, Inc.** 

122 Texas Ave., League City, TX 77573 (281) 332-3438 / (281) 332-3644 fax

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.

**Filter Flow Technology, Inc.** 

122 Texas Ave., League City, TX 77573 (281) 332-3438 / (281) 332-3644 fax