

MATERIAL SAFETY DATA SHEET

Document Number MSDS-SIC-002

SECTION 1: NAME AND PRODUCT

Name:

SELEE Corporation

Address:

700 Shepherd Street
Hendersonville, NC 28792 U.S.A.

Product Name:

SELEE High Strength Silicon Carbide Filters

Product Type:

Ceramic Filter

Contact:

Safety & Environmental Compliance Officer

Emergency Telephone Phone Number:

(828) 697-2411

(800) 438-7274

Telephone Number for Information:

(828) 697-2411

(800) 438-7274

Date Prepared: Date Superseded: Revision:

11/27/06

12/13/04

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SECTION II: REGULATED INGREDIENTS*

Non-hazardous fired ceramic material

SECTION III: HAZARD IDENTIFICATION

Inhalation:

Minimal inhalation hazard of particles.

Eyes/Skin:

Abrasion hazard.

Ingestion:

Unlikely

SECTION IV – HEALTH, FIRST AID AND MEDICAL TREATMENT

Inhalation:

Health Hazards (Acute and Chronic):

Avoid inhaling dust. Treat as nuisance dust. Excessive inhalation of dust from product over long period of time can cause industrial bronchitis

Emergency and First Aid Procedures:

Treat as nuisance dust. Remove to fresh air

Ingestion:

Health Hazards (Acute and Chronic):

N/A

Emergency and First Aid Procedures:

N/A

Skin:

Health Hazards (Acute and Chronic):

Abrasive, recommend wearing protective equipment

Emergency and First Aid Procedures:

Wash with soap and water



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Eye: Health Hazards (Acute and Chronic):
Particle may enter eye

Emergency and First Aid Procedures:
Flush eye with water. See doctor if irritation proceeds

Other Potential Risks: Health Hazards (Acute and Chronic):
N/A

Emergency and First Aid Procedures:
N/A

Health Rating: **Health Hazard Rating Explanation:**

0	0 – Normal Material	3 – Extreme Danger
	1 – Slightly Hazardous	4 – Deadly
	2 – Hazardous	

SECTION V – FIRE AND EXPLOSION HAZARD DATA

Flash Point: N/A (Method Used): N/A Flammable Limits:
LEL: N/A UEL: N/A

Extinguishing Media: Not flammable, will not support combustion

Special Fire Fighting Procedures: N/A

Explosion Potential: N/A

Fire Rating: **Fire Hazard Rating Explanation:**

0	0 – Will Not Burn	3 – Below 100°F (38°C)
	1 – Above 200°F (93°C)	4 – Below 73°F (23°C)
	2 – Below 200°F (93°C)	

SECTION VI – ACCIDENTAL RELEASE

Steps to be Taken in Case of Leaks or Spills:

Sweep up using wet collection method and dispose of in accordance with FEDERAL, STATE and LOCAL REGULATIONS.

SECTION VII – STORAGE, HANDLING AND USE PROCEDURES

Normal Storage and Handling: When storing keep dry. Do not use wet filter. Avoid dust generation.

Normal Use: Keep dry

SECTION VIII – PERSONAL PROTECTION INFORMATION

Respiratory Protection: For dust concentrations below the applicable exposure level, PPE is not required. If dust concentration levels are above the applicable exposure levels follow the requirements of OSHA 1910.134.

Ventilation: General and local exhaust ventilation, engineering controls, and good housekeeping practices are recommended keeping dust concentrations below the permissible exposure limits.

Protective Gloves: Recommended to prevent skin irritation.

Eye Protection: Safety Goggles

Other Protective Clothing and Equipment: Dust suppressing control technologies are effective means of minimizing airborne dust concentrations.

SECTION IX: PHYSICAL AND CHEMICAL DATA

Boiling Point: N/A Melting Point: 3100 F Specific Gravity: approx. 0.43 g/cm³
Vapor Pressure: N/A Percent Volatile by Vol.: N/A Vapor Density: N/A
Evaporation Rate: N/A Solubility by Water: N/A

Appearance and Odor: Gray to black, no odor

SECTION X – REACTIVITY DATA**Stability:**

Stable: X Unstable:

Hazardous Polymerization:

Will Occur: Will Not Occur: X

Incompatibility (Materials to Avoid):

N/A

Decomposition Products:

N/A

Conditions to be Avoided:

N/A

Reactivity Rating:

0

Reactivity Rating Explanation:

0 – Stable 3 – Shock and Heat May Detonate
1 – Unstable if Heated 4 – May Detonate
2 – Violent Chemical Change

SECTION XI – TOXICOLOGICAL CONSIDERATIONS**Toxicity:**

N/A ceramic solid

SECTION XII – ECOLOGICAL CONSIDERATIONS**Mobility:**

N/A solid

Persistence and degradability:

N/A ceramic solid

Bioaccumulation:

N/A ceramic solid

SECTION XIII – DISPOSAL CONSIDERATIONS**Waste Disposal Method:**

Disposal in accordance with FEDERAL, STATE and LOCAL REGULATIONS.

SECTION XIV – TRANSPORTATION CONSIDERATIONS

No components hindering transport

SECTION XV – REGULATORY CONSIDERATIONS**US Federal Regulations:****California Safe Drinking Water and Toxic Enforcement Act of 1986:**

WARNING: THIS PRODUCT CONTAINS CRYSTALLINE SILICA,

10/12/09

A CHEMICAL KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER

S 36/37:

Wear suitable protective clothing and gloves.

Pulmonary fibrosis has been seen with consistent over-exposures to aerosolized Silica, fused. (ACGIH)

SECTION XVI – ADDITIONAL INFORMATION

Other Precautions:

Pulmonary fibrosis has been seen with consistent over-exposures to Silica, fused. (ACGIH)

All ingredients are in a bound solid form resulting in the PEL's and TLV's not being applicable

Normal product use does not create exposure.

Cutting or destroying product may produce respirable dust containing crystalline silica and/or cristobalite. Cristobalite is classed as an A2 carcinogen by IARC.

This product may contain silica but it does not release it in use. Crystalline silica may be in any of several forms depending on the conditions of use. The OSHA PEL for the respirable portion of any generated dusts is:

PEL=10 mg/M3/(% quartz + 2 (% cristobalite) + 2 (% tridymite) + 2)

Special Rating Explanation (If Applicable):

Oxidizer: OXY

Acid: ACD

Use No Water: NW

NAIF = No Applicable Information Found

Alkali: ALK

Corrosive: COR

Radiation Hazard: R

N/A = Not Applicable