

MATERIAL SAFETY DATA SHEET

Document Number MSDS-CS-002

SECTION 1: NAME AND PRODUCT

Name:

SELEE Corporation

Address:

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

Product Name:

Aluminum Cast Shop Filter

Product Type:

Aluminum 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

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9/14/06

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10/23/02

Revision:

5

SECTION II: REGULATED INGREDIENTS

Non-hazardous fired ceramic material

See Sections III, IV, VII, and X for potential off-gassing from certain spent filters.

SECTION III: HAZARD IDENTIFICATION

Inhalation:

Minimal inhalation hazard of particles, as manufactured. However, dust created from cutting or damaging a new or spent filter may represent an inhalation hazard.

Spent filter containing magnesium or zinc bearing alloys may release phosphine gas if exposed to water/water vapor.

Eyes/Skin:

Abrasion hazard.

Ingestion:

Unlikely

SECTION IV – HEALTH, FIRST AID AND MEDICAL TREATMENT

Inhalation:

Health Hazards (Acute and Chronic):

Avoid breathing dust generated by cutting or damaging filter.
Keep spent filters dry at all times to prevent generation of phosphine gas.

Emergency and First Aid Procedures:

Remove to fresh air. Seek medical attention if exposure to phosphine gas is indicated.

Ingestion:

Health Hazards (Acute and Chronic):

N/A

Emergency and First Aid Procedures:

N/A



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SECTION IV – HEALTH, FIRST AID AND MEDICAL TREATMENT

<u>Skin:</u>	<u>Health Hazards (Acute and Chronic):</u> Abrasive, prevent skin contact. <u>Emergency and First Aid Procedures:</u> Wash with soap and water
<u>Eye:</u>	<u>Health Hazards (Acute and Chronic):</u> Prevent filter particles from entering eye. <u>Emergency and First Aid Procedures:</u> Flush eye with water. See doctor if irritation continues.
<u>Other Potential Risks:</u>	<u>Health Hazards (Acute and Chronic):</u> N/A <u>Emergency and First Aid Procedures:</u> N/A
<u>Health Rating:</u> 0	<u>Health Hazard Rating Explanation:</u> 0 – Normal Material 2 – Hazardous 4 – Deadly 1 – Slightly Hazardous 3 – Extreme Danger

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: N/A

Special Fire Fighting Procedures: Avoid use of water on spent filters used for magnesium or zinc bearing alloys because of potential to release phosphine gas.

Explosion Potential: N/A

Fire Rating:

0 Ceramic filters as provided by SELEE Corporation are not considered a fire risk.

Used filters that have filtered magnesium or zinc bearing alloys are water/ water vapor reactive and may release small amounts of phosphine gas. Phosphine gas is a colorless gas that is flammable and toxic.

Fire Hazard Rating Explanation:

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 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. Spent filters containing magnesium or zinc bearing alloys are water/water vapor reactive and may release small amounts of phosphine gas. They should be stored in a dry, well-ventilated area, away from work areas.

Normal Use:

Keep dry

SECTION VIII – PERSONAL PROTECTION INFORMATION

Respiratory Protection:

For dust and fume concentrations below the applicable exposure level, PPE is not required. If dust concentration levels are above the applicable exposure levels follow the requirements for respirator use.

Ventilation:

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

Protective Gloves:

Recommended
Eye Protection:
Safety Goggles
Other Protective Clothing and Equipment:
Use professional judgment.

SECTION IX: PHYSICAL AND CHEMICAL DATA

Boiling Point: N/A Melting Point: N/A Specific Gravity: 3.9
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: White, open pore structure. No odor.

SECTION X – STABILITY AND REACTIVITY DATA

Stability: Hazardous Polymerization:
Stable: X Unstable: Will Occur: Will Not Occur: X
Incompatibility (Materials to Avoid):
Spent filters containing magnesium or zinc bearing alloys may react with water to produce phosphine gas.
Decomposition Products:
N/A
Conditions to be Avoided:
Spent filters containing magnesium-aluminum alloys should not be exposed to water/water vapor.
Reactivity Rating: Reactivity Rating Explanation:
0 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

This product does contain 1% or less of bound RCF.
R 36/38: Irritating to eyes or skin
S 36/37: Wear suitable protective clothing and gloves