

# MATERIAL SAFETY DATA SHEET

Document Number MSDS-HTP-012

## SECTION 1: NAME AND PRODUCT

**Name:**

SELEE Corporation

**Address:**

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

**Product Name:**

Standard Mullite Ceramic Foam.

**Product Type:**

Mullite Ceramics

**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:**

31 Oct 06

**Date Superseded:**

01 Oct 02

**Revision**

1

## SECTION II: REGULATED INGREDIENTS\*

| Chemical Name              | CAS #      | Weight Percent Range | OSHA PEL (TWA) | ACGIH TLV (TWA) | Carcinogen Y/N |
|----------------------------|------------|----------------------|----------------|-----------------|----------------|
| Mullite                    |            | 65%                  | 15 mg/m3       | 10 mg/m3        | N              |
| Alumina                    | 1344-28-1  | 25%                  | 15 mg/m3       | 10 mg/m3        | N              |
| Silica which can exist as: |            | 4%                   |                |                 |                |
| Crystalline Quartz         | 14808-60-7 |                      | 0.05 mg/m3     | 0.05 mg/m3      | Y              |
| Crystobalite               | 14464-46-1 |                      | 0.05 mg/m3     | 0.05 mg/m3      | Y              |
| Tridymite                  | 15468-62-3 |                      | 0.05 mg/m3     | 0.05 mg/m3      | Y              |
| Aluminum Silicate          | 1332-58-7  | 6%                   | 15 mg/m3       | 10 mg/m3        | N              |

NOTE: For products with gasketing, please refer to separate data sheets provided for the gasket material.

## SECTION III: PHYSICAL AND CHEMICAL DATA

Boiling Point: NA

Melting Point:

Specific Gravity: 2.5 (approx)

Vapor Pressure: NA

Percent Volatile by Vol.: 0%

Vapor Density: NA

Evaporation Rate: NA

Solubility by Water: Nil

Appearance and Odor: beige no odor

## SECTION IV – FIRE AND EXPLOSION HAZARD DATA

Flash Point: NA

(Method Used):

Flammable Limits:

LEL:

UEL:

Extinguishing Media: This product is nonflammable and will not support combustion.

Special Fire Fighting Procedures: NA

Explosion Potential: NA

Fire Hazard Rating:

NA

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 V – HEALTH, FIRST AID AND MEDICAL TREATMENT

**Inhalation:**

Health Hazards (Acute and Chronic):

Emergency and First Aid Procedures:

**Ingestion:**

Health Hazards (Acute and Chronic):

Emergency and First Aid Procedures:

**Skin:**

Health Hazards (Acute and Chronic):

Abrasion.

Emergency and First Aid Procedures:

**Eye:**

Health Hazards (Acute and Chronic):

Emergency and First Aid Procedures:

**Other Potential Risks:**

Health Hazards (Acute and Chronic):

Normal product use does not create exposure. However, if the part is cut or broken, dust may be released.

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)

Emergency and First Aid Procedures:

**Health Hazard Rating:**

**Health Hazard Rating Explanation:**

0 – Normal Material

3 – Extreme Danger

1 – Slightly Hazardous

4 – Deadly

2 – Hazardous

## SECTION VI – REACTIVITY DATA

### Stability:

Stable: X

Unstable:

### Hazardous Polymerization:

Will Occur:

Will Not Occur:

### Incompatibility (Materials to Avoid):

None

### Decomposition Products:

None

### Conditions to be Avoided:

### Reactivity Rating:

### Reactivity Rating Explanation:

0 – Unstable

1 – Unstable if Heated

2 – Violent Chemical Change

3 – Shock and Heat May Detonate

4 – May Detonate

## SECTION VII – STORAGE, HANDLING AND USE PROCEDURES

### Normal Storage and Handling:

### Normal Use:

### Steps to be Taken in Case of Leaks or Spills:

Clean spills with sweeping compound or wet collection to minimize dust generation.

### Waste Disposal Method:

Disposal in accordance with FEDERAL, STATE and LOCAL REGULATIONS.

## SECTION VIII – PERSONAL PROTECTION INFORMATION

### Respiratory Protection:

Use NIOSH half face for exposure up to 10 X PEL.

### Ventilation:

Use local ventilation to minimize dust exposure.

### Protective Gloves:

Yes.

### Eye Protection:

Yes.

### Other Protective Clothing and Equipment:

## SECTION IX – SPECIAL PRECAUTIONS

### Precautions to be Taken in Handling and Storage:

Avoid dust generation. Do not allow product to become wet. If product becomes wet it must be thoroughly dried before being put into service. If wet parts are put into service, explosive spalling can occur or in molten fluid applications, explosion may occur.

### Other Precautions:

### Special Rating Explanation (If Applicable).

Oxidizer

Oxy

Alkali

ALK

Acid

ACD

Corrosive

COR

Use No Water

NW

Radiation Hazard

R

NAIF = No Applicable Information Found

N/A = Not Applicable

**SECTION X – REGULATORY INFORMATION**