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## SELEE Product Information Sheet

For Safe Handling and Disposal

### Introduction

**Name of Product:**

Phosphate Bonded Aluminum Cast Shop Filter

**Product Use:**

Molten metal filtration

**Contact Information:**

SELEE Corporation

**Address:**

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

**Telephone Number:**

+1 (828) 697-2411  
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**NOTE:** This product is considered an "article" per OSHA 29 CFR 1910.1200 (HCS) and hazard communication is not required. Since it is in the best interest of the consumer that information about this product be readily available, SELEE Corporation has listed all information pertinent to the safe handling and disposal of this product for its intended use and foreseeable misuse. The product is a fired ceramic material with individual components bound in a phosphate glass matrix and is considered non-hazardous. A ceramic fiber gasket may be wrapped around the edges of the product, and a Safety Data Sheet (SDS) pertinent to the safe handling and disposal of the gasket will accompany the product when applicable.

### Composition

Ceramic Filter

Al <sub>2</sub> O <sub>3</sub>	90%
P <sub>2</sub> O <sub>5</sub> (present in aluminum phosphate glass)	9%
SiO <sub>2</sub>	1%

This ceramic foam filter is typically used in the refractory application of aluminum filtration.

**ATTENTION:**

This product may contain refractory ceramic fibers that are bound in a glass matrix and are not released under normal conditions of use.

### Personal Protection and Exposure Controls

**Engineering Controls:**

A well-ventilated area is recommended for use.

**Personal Protective Equipment (PPE):**

**Eye Protection:**

General handling of the product: cutting or damaging a new or spent filter may generate ceramic dust particles that can pose a mechanical risk to eye injury. Safety glasses should be worn.

**Skin Protection:**

Gloves should be worn due to the abrasiveness of the filter.

**Respiratory Protection:**

Ceramic dust particles could become airborne during handling and pose a risk for inhalation. Use in a well ventilated area. Using professional judgment, a respirator can be used.

**Handling and Storage****Precautions for safe handling:**

Use appropriate industrial hygiene and safety practices by washing hands before breaks and at the end of shifts.

**Conditions for safe storage, including incompatibilities:**

Store in dry area. Avoid dust generation.

**Possibility of hazardous reactions:**

Introduction of water to molten metal can cause an explosion. Do not use wet or moist product in contact with molten aluminum as risk of explosion. Spent filters containing magnesium or zinc bearing aluminum alloys may react with water to produce phosphine gas, which is odorless and toxic; interaction with water is to be avoided. Areas storing spent filters containing magnesium or zinc bearing aluminum alloys must remain well-ventilated.

**Conditions to avoid:**

Avoid wet or moist conditions.

**First Aid Measures****Eye:**

Safety glasses should be worn to protect against mechanical eye irritation. Flush eye with water or saline solution. Consult medical professional if irritation persists.

**Skin:**

Proper gloves should be worn to protect against abrasion.

**Inhalation:**

Remove person to fresh air. Do not inhale dust.

**Ingestion:**

Not a typical mode of exposure.

**Physical and Chemical Properties****Physical State and Color:**

Solid, open pore structure; White

**Specific Gravity:**

Approx. 3.7

**Chemical Stability:**

Stable

**Disposal Considerations****Waste disposal:**

Do not dispose of using sewage disposal. Material should be discarded in proper waste receptacles OR in accordance with Federal, State and Local regulations.

## Transport Information

**U.S. Department of Transportation (DOT):** Not regulated as a Hazardous Material.

**United Nations Model Regulation on the Transport of Dangerous Goods:** Not regulated as a Hazardous Material.

## Regulatory Information

### U.S. Regulations:

None for fired ceramic articles.

### International Regulations:

None for fired ceramic articles.

## Additional Information

**Changes made after revision:** Added composition of the ceramic filter and the statement "This ceramic foam filter is typically used in the refractory application of aluminum filtration."

The above information is believed to be correct, but does not purport to be all-inclusive and should be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product.

**END OF PRODUCT INFORMATION SHEET**