

SELEE Product Information Sheet

For Safe Handling and Disposal

Introduction

Name of Product:
CS-X® Filter

Product Use:
Molten metal filtration

Contact Information:
SELEE Corporation

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

Telephone Number:
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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 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

Component Name

CS-X® Ceramic Filter

ATTENTION:

This product contains crystalline silica, but it is not released under the normal conditions of use. Cutting or destroying the product may produce respirable dust containing crystalline silica.

This product may contain non-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:

Do not inhale dust. 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. If cutting or destroying the product, a N95 respirator is recommended.

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. Proper gloves should be worn to protect against abrasion

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.

Conditions to avoid:

Avoid wet or moist conditions.

First Aid Measures

Eye:

Safety glasses should be worn to protect against mechanical eye irritation. In case of eye contact, flush eye with water or saline solution. Do not rub eyes. Consult medical professional if irritation persists.

Skin:

If skin irritation occurs, rinse affected areas with water and wash gently.

Inhalation:

If irritation to the respiratory system occurs, move to fresh air, drink water and blow nose. Consult a medical professional if symptoms persist.

Ingestion:

Not a typical mode of exposure.

Physical and Chemical Properties

Physical State and Color:

Solid open pore structure, off-white

Specific Gravity:

Approx. 3.0

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.

This product contains diboron trioxide, also known as boric oxide (as a constituent bound into the glass matrix), an ingredient that is known to the **European Chemicals Agency (ECHA)** as a reproductive toxin. In animal ingestion studies, reproductive and developmental effects have been seen in several species at high doses of diboron trioxide. In a human study, occupational exposure to borate dust showed no adverse effects on reproduction. Under normal conditions of use, the exposure risk from the product is extremely low due to the facts that ingestion would be the main route of exposure and diboron trioxide is bound in a ceramic glass.

Additional Information

Changes made after revision: None, this revision is new.

The above information is believed to be correct, but does not purport to be all-inclusive and shall be 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