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SELEE® Advanced Ceramics™ Product Information Sheet For Safe Handling and Disposal

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® Advanced Ceramics™ 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 and is considered non-hazardous.

Introduction

Product Name	Czerbide
Trade name	Silicon Carbide / Zirconia Refractories
Chemical Name	Silicon Carbide / Zirconia Refractories
Synonyms	None

Company Information	SELEE® Advanced Ceramics™ 24 West End Drive Gilberts, IL 60136 +1 847.428.4455
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Composition

Component Name

Silicon carbide / Zirconium silicate

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.

Personal Protection and Exposure Controls

Engineering Controls:

Standard practices. Keep dust to a minimum.

Personal Protective Equipment (PPE):

Eye Protection:

General handling of the product: cutting or damaging a ceramic material 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 ceramic material.

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 metal.

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:

Hard refractory; Gray/brown in color

Specific Gravity:

3.2

Chemical Stability:

Stable

Solubility in Water:

Insoluble

Melting Point:

3700°F

Boiling Point:

N/A



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Disposal Considerations

Waste disposal:

Do not dispose of using sewage disposal. Material should be discarded in proper waste receptacles AND 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: None, this revision is new.

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