

Material Safety Data Sheet

Distributed By:

The Eashill Group
dba/ The Eastwood Company
263 Shoemaker Road
Pottstown, PA 19464

USA & Canda: 800-345-1178

Outside USA: 610-323-2200

Emergency Contact:

Chem-Trec: 800-424-9300

Section I. PRODUCT INFORMATION

Product Name: Speed Blast Silica-Free 40/70 Mesh CAS No. 65997-17-3

Chemical Name: Soda-Lime Silicon Dioxide Glass

Description: Abrasives manufactured from recycled glass.

DOT Classification: Non-hazardous

Section II. HAZARDOUS INGREDIENTS

Glass sand is not classified as a hazardous material by the criteria of the OSHA Hazard Communications Standard, Title 29, Code of Federal Regulations, Section 1910.1200, *Hazard Communication*.

Contains no free (or crystalline) silica; all components are amorphous/non-crystalline; chemicals used to produce glass are not available to the environment unless the product is heated significantly or ground to an extremely fine particle size. Dust normally is a nuisance except caution is to be exercised from exposure to dust significantly.

OSHA PEL/TWA Limit is 10mg/m³ACGIH TLV-TWA limits is 0.05 mg/m³ (crystalline silica)

Many glass products are made with metal oxides. While the metals are bound up in a glass matrix, grinding to an extremely fine mesh size can liberate some of the metals in the glass. Normal grinding will generally not produce "glass flour or powder" fine enough to liberate metals.

Section III. PHYSICAL DATA

Boiling Point (°F): Approx. 2500°F

Solubility in Water: Insoluble

Specific Gravity: 2.5

Vapor Pressure: N/A

Evaporation Rate: N/A

% Volatile by Volume: N/A

Vapor Density: N/A

Appearance & Odor: Odorless, transparent or colored particulate

Section IV. FIRE & EXPLOSION DATA

Non-flammable and non-hazardous inorganic material.

Section V. REACTIVITY DATA

Stability: Material is stable

Hazardous Polymerization: Will not occur

Materials to Avoid: Hydrofluoric Acid

Hazardous Decomposition Products: None

Section VI. HEALTH HAZARD DATA

Nuisance Dust (total): 10 mg/m³ TLV (units) depends upon particle sizeNuisance Dust (Respirable): 5 mg/m³ TLV (units) depends upon particle size

Routes of Entry:

Lungs (breathing): Yes

Ingestion: No

Skin: No

Health Hazard (Acute & Chronic): Dust in excess of recommended exposure limits may result in irritation to the respiratory tract.

Carcinogenicity

NTP: Not Listed

IARC Monographs: Not Listed

OSHA Regulation: Not Listed

Signs & Symptoms of Exposure: Eye and respiratory irritation may result if recommended exposure limits are exceeded; product may irritate skin, sneezing, runny eyes and coughing may result from over exposure to glass dust.

Medical Conditions Generally Aggravated by Exposure: Chronic lung conditions may be aggravated by exposure to high concentrations of dust.

Emergency & First Aid Procedures:

Eyes: Flush thoroughly with water. See a physician if discomfort persists.
Respiratory: Remove to fresh air.

Section VII. PRECAUTIONS FOR SAFE HANDLING & USE

Steps to be taken in case of material spill: Sweep up and discard; avoid excessive dusting.

Waste Disposal Method: Dispose in approved disposal facility in accordance with federal, state and local regulations.

Precautions for handling & storing; spillage may result in slippery conditions. When transferring material, care should be taken to avoid dusting.

This material is not a SARA Title III reportable substance.

Section VIII. CONTROL MEASURES

Respiratory protection: If dust concentrations exceed recommended Permissible Exposure Limits, use NIOSH-approved respirators in accordance with appropriate OSHA and safety practices, including personal protective equipment (PPE).

Ventilation: Local exhaust

Protective Gloves: As determined necessary by user for application of product.

Eye Protection: NIOSH-approved safety glasses or goggles (tight fitting recommended)

Other Protective Clothing or Equipment: None required

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