



Safety Data Sheet

January 05, 2016

Glass Blast

(Recycled Crushed Glass Abrasive)

1. PRODUCT AND COMPANY IDENTIFICATION

Trade Name: Glass Blast

Typical Usage: Abrasive applications, i.e. abrasive blasting, cleaning, surface preparation, surfacing

Manufacturer: RECM, LLC

17151 New Hope, Unit 212

City Fountain Valley State CA, 92708 USA

(949) 412-0792

FAX

Emergency: (949) 412-0792

FAX

2. HAZARD IDENTIFICATION

Emergency Overview: Glass Sand is not classified as a hazardous material by the criteria of the:

OSHA Hazard Communication Standard

Title 29, Code of Federal Regulations

Section 1910.1200 Hazard Communications

Contains no free silica

All components are amorphous/non-crystalline

CARB Approved

Primary Route(s) of Entry: Inhalation: yes Ingestion: No Skin: No Other: No

Acute Health Hazards

Eye: In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Call a physician

Dusts may cause minor irritation, redness and sensitivity. Particulate matter may scratch the cornea or cause other mechanical injury to the eye. May occur during blasting, loading/unloading, processing and packaging. Contact lenses may be dangerous when handling this product increasing the risk of discomfort and injury.

Skin: The product is not hazardous by skin contact, but removal of particles and cleansing the skin after use is advisable.

Ingestion: No specific intervention is indicated, as the product is not hazardous by ingestion. However, if symptoms occur, consult a physician

Inhalation: If inhaled, immediately remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Call a physician.

Trauma: *Hazard associated with handling equipment or sudden release of large volumes. Abrasion injuries possible during blasting operations or similar exposure.*

Chronic Health Hazards

Inhalation: (Acute & Chronic): Dust in excess of recommended exposure limits may result in irritation to the respiratory tract. Chronic lung conditions may be aggravated by exposure to high concentrations of dust.

Medical Conditions Aggravated by Exposure: *Repeated inhalation of dusts over time may aggravate pre-existing respiratory disease. Precautions should be taken to alleviate the pre-existing medical condition.*

Target Organs: *Lungs, Skin, Eyes*

Carcinogenicity: NTP: No, **IARC Monographs:** No, **OSHA Regulated:** No

Teratogenic: No, **Mutagenic:** No

Take special precaution to note the potential hazards of the substrate, coatings or contamination that are removed by the use of our product. All Material Certifications and chemical analyses should be obtained before commencement of work.

Hazardous polymerization: Will not occur

HAZARD SYMBOLS:

Health	1*
Flammability	0
Physical Hazard	0
Protective Equipment	

HMIS PERSONAL PROTECTIVE EQUIPMENT (PPE) RATING:

Industrial Use Situations: *B; Safety Glasses, gloves*

CANADIAN WHIMIS SYMBOLS:

OSHA REGULATORY STATUS:

While this material is not classified as hazardous under OSHA regulations, this SDS contains valuable information critical to the safe handling and proper use of the product. SDS

PACKAGE SYMBOLS:

Identity (as used on label and list):

Synonym(s): *#12/20 (Large), #20/46, #46-70 (Small) Numbers indicated are all nomenclature for sizing*

3. COMPOSITION/INFORMATION

Common Name: *Crushed Glass Abrasive*

Contents: C.A.S. #65997-17-3

Formula:

Chemical Family:

Typical Chemical Composition: SiO₂ 72.8; Na₂O 13.7; CaO 8.8; MgO 4.0; Al₂O₃ .1; Fe₂O 3.12; K₂O .04; SO₃ .26.

Note: Glass Blast product contains no free silica; therefore, will not cause silicosis, a fatal lung disease. Breathing dust from surfaces being blasted may cause other serious or fatal diseases. Special precautions should be taken in these cases with all material certifications and chemical analyses obtained before commencement of work.

Permissible Exposure Limits OSHA PEL:

Total Nuisance Dust: 15mg/m³ TLV (units) depends on particle size

Respirable Dust: 5mg/m³ TLV (units) depends on particle size

4. FIRST AID INFORMATION

Likely only in extreme conditions:

Ingestion: No specific intervention is indicated, as the product is not hazardous by ingestion. However, if symptoms occur, consult a physician.

Inhalation: If inhaled, immediately remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Call a physician.

Skin: The product is not hazardous by skin contact, but removal of particles and cleansing the skin after use is advisable. *Follow procedures appropriate to abrasion injuries.*

Eyes: In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Call a physician.

Trunk/Torso/Limbs: *Follow procedures appropriate to abrasion or trauma.*

Note to physician: No toxic substances are present in the product itself.

5. FIRE-FIGHTING MEASURES

Flash Point (Method Used): NA

Flammable Limits: LEL: NA UEL: NA

Pyrophoric, oxidizer, organic peroxide: No

Pressurized during shipment: No

Extinguishing Media: NA

Special Fire Fighting Procedures: NA

Unusual Fire/Explosion Hazards: NA

REACTIVITY DATA

Stability: Stable

Conditions to avoid: None

Materials to avoid (incompatibility): None

Hazardous decomposition or by-products: None

6. ACCIDENTAL RELEASE MEASURES

Loading/unloading: A release will pose a housekeeping problem. Material should be swept or vacuumed into appropriate containers.

Waste disposal method: Treatment, storage, transportation and disposal must be in accordance with applicable Federal, State/Provincial and Local regulations. If approved, may be transferred to a land disposal site.

Precautions to be taken in handling and storing: *Follow good housekeeping practices to reduce practices to reduce airborne emissions.* Avoid breathing dust. Wash thoroughly after

handling. If handling respirable flour, use of gloves and washing before eating, drinking, applying cosmetics or smoking is advisable to minimize dust inhalation or ingestion from hands.

NOTE: Review FIRE FIGHTING MEASURES and HANDLING (PERSONNEL) sections before proceeding with clean-up. Use appropriate PERSONAL PROTECTIVE EQUIPMENT during clean-up. The material is inert, stable and hazardous polymerization will not occur.

Exposure Controls: A NIOSH approved air-purifying respirator with a type 100 (high efficiency) particulate cartridge or canister may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits. For abrasive blasting use a type CE abrasive-blast, supplied-air respirator covering head, neck and shoulders to provide protection from rebound abrasives per 29 CFR 1910.94 (a)(5)

Engineering Controls: Use sufficient ventilation to keep employee exposure below recommended limits. If using this product as an abrasive blasting agent in confined areas, airborne dust levels should be controlled by physical enclosure of the abrasive blasting operation. The enclosure should be exhaust ventilated in accordance with 29 CFR 1910.94 Ventilation (a) Abrasive Blasting

7. HANDLING & STORAGE

Handling: Avoid breathing dust. Wash thoroughly after handling. If handling respirable flour, use of gloves and washing before eating, drinking, applying cosmetics or smoking is advisable to minimize dust inhalation or ingestion from hands

Storage: *Store in a dry place*

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION PPE

Special Note: Use sufficient ventilation to keep employee exposure below recommended limits. If using this product as an abrasive blasting agent in confined areas, airborne dust levels should be controlled by physical enclosure of the abrasive blasting operation. The enclosure should be exhaust ventilated in accordance with 29 CFR 1910.94 Ventilation (a) Abrasive Blasting.

Ventilation and Engineering Controls: A NIOSH approved air-purifying respirator with a type 100 (high efficiency) particulate cartridge or canister may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits. For abrasive blasting use a type CE abrasive-blast, supplied-air respirator covering head, neck and shoulders to provide protection from rebound abrasives per 29 CFR 1910.94 (a)(5).

Respiratory Protection: *In enclosed spaces maintain oxygen levels above 19.5%. If respiratory protection is required, follow the requirements of the Federal OSHA Respiratory Protection Standard (29CFR 1910.134) or equivalent state standards.*

Eye Protection: Safety glasses with side shields should be worn as minimum protection from impact. Dust goggles should be worn when excessively dusty conditions are present or anticipated.

Hand Protection: Wear any polymer gloves resistant to tears if prolonged exposure is planned.

Body Protection: Use body protection appropriate for the task.

9. PHYSICAL & CHEMICAL PROPERTIES

<p>Appearance: White and colored (green and brown) transparent, fine granules: angular and sub angular</p> <p>Odor: None</p> <p>pH: N/A</p> <p>Melting Point: Approx. 1700F Softening 700F</p> <p>Initial Boiling point:</p> <p>Boiling Range: N/A</p> <p>Flash Point: N/A</p> <p>Evaporation rate: N/A</p> <p>Flammability: Non Flammable, Non Explosive under Normal conditions of Use and storage.</p> <p>Upper/Lower Flammability: N/A</p>	<p>Explosive limits: N/A</p> <p>Auto-ignition temperature: N/A</p> <p>Vapor pressure: (mm Hg) NA</p> <p>Vapor Density: N/A</p> <p>Solubility Partition coefficient:</p> <p>Viscosity: N/A</p> <p>Specific Gravity: 2.53 (80# per cu. Ft.)</p> <p>Hardness (Mohs Scale): 5.7 / KH 540 to 542</p> <p>In Water: Insoluble</p> <p>Chloride Content: by weight <0.0005%</p> <p>Acid Solubility: Insoluble</p>
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Typical Chemical Analysis	Percentage by Weight
SiO ₂	72.8
Na ₂ O	13.7
CaO	8.8
MgO	4.0
Al ₂ O ₃	.1
Fe ₂ O	3.12
K ₂ O	.04
SO ₃	.26

11. STABILITY & REACTIVITY

Material is stable. No known conditions causing instability. There are no known incompatible materials.

12. TOXICOLOGICAL INFORMATION

Material is nontoxic and poses little or no immediate hazard. This material is stable.

13. ECOLOGICAL INFORMATION

Not toxic to mammals or aquatic environments. Not persistent in the environment. Freshwater and saltwater bioassays performed according to the States California and Washington available on request.

14. DISPOSAL CONSIDERATIONS (non mandatory)

15. TRANSPORT INFORMATION (non mandatory)

Department of Transportation Requirements

Glass Blast Media products are not regulated as a hazardous material by DOT or IMO.

NAME OF CONTENTS: Glass Sand

CONSTITUENTS: No Hazardous substances present at regulated Levels

HAZARD CLASS: N/A

UN/NA NUMBER: N/A

SHIPPING CONTAINERS: Hopper cars, hopper trucks, bags and semi-bulk bags.

Glass Blast Media products are not regulated as a hazardous material by DOT or IMO.

15. REGULATORY INFORMATION (non mandatory)

Judgments as to the suitability of the information herein are for purchaser's purposes and are necessarily purchaser's responsibility. Although reasonable care has been taken in the preparation of such information, RECM, LLC makes no representations and assumes no responsibility as to the accuracy or suitability of such information for application to purchasers intended purposes or for consequences of its use.

Complies with ANSI Z400.1

Draft Standard Complies with OSHA Hazard Communication for the Preparation of Safety Data Sheets, Standard 29 CFR 1910.1200

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Safety Data Sheet U.S. Department of Labor

RECM, LLC has prepared this material safety data sheet in order to provide product information which will assist our customers in complying with all state and federal waste and hazard minimization laws as well as all state and federal transportation laws.