

Quik-Blast

S4

MATERIAL SAFETY DATA SHEET (Complies with OSHA 29 CFR 1910.1200)

SECTION I: PRODUCT IDENTIFICATION

The QUIKRETE® Companies
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Emergency Telephone Number
(770) 216-9580

Information Telephone Number
(770) 216-9580

MSDS S4
Revision: Mar-13

QUIKRETE® Product Name

QUIK-BLAST GLASS #12/50

QUIK-BLAST GLASS #10/30

Product #

9992145

9992146

HEALTH		1
FLAMMABILITY		0
PHYSICAL HAZARD		0
PERSONAL PROTECTION Safety Glasses, Gloves and Dust Respirator		

Product Use: Sand blasting abrasive media

SECTION II - HAZARD IDENTIFICATION

Route(s) of Entry: Eye contact, inhalation

Acute Exposure: None

Chronic Exposure: None; Inert, non-fibrogenic

Signs and Symptoms of Exposure: Inhalation of glass particles may cause irritation to the upper respiratory tract. Exposure may cause sore throat, coughing, sneezing, and the production of phlegm in the throat. Nosebleeds may occur in cases of those with sensitive nose membranes due to abrasion of sensitive tissue.

Medical Conditions Generally Aggravated by Exposure: Respiratory problems may be aggravated by pre-existing lung disease such as bronchitis, emphysema, or chronic obstructive pulmonary disease.

This product is manufactured from used, washed glass and contains no hazardous chemicals. Since the product consists of crushed/broken glass, there are physical hazards to be concerned with. See Section VII for details on handling.

When abrasive blasting, the abrasive is being used to remove and clean a surface. The substance that has been removed may contain materials that represent health hazards that cannot be addressed in this Safety Data Sheet. The employer must ensure that a risk assessment is done before any abrasive blasting activity which may cause release of a harmful level of an air contaminant from a surface or coating containing a toxic heavy metal or asbestos.

This blasting abrasive must NOT be reused unless it is being used in a fully enclosed, vented cabinet designed to recirculate the abrasive media.

SECTION III - HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

Hazardous Components	CAS No.	TLV (ACGIH) <u>mg/M³</u>
Glass Abrasive	N/A	10 (nuisance dust)

SECTION IV – First Aid Measures

Inhalation: If irritation causes coughing or phlegm, remove to fresh air. Seek medical treatment if coughing does not subside.

Eyes: Immediately flush eye thoroughly with water. Continue flushing eye for at least 15 minutes, including under lids. Seek medical treatment if irritation, pain, swelling, or lacrimation exists.

Skin: Wash skin with cool water and pH-neutral soap or a mild detergent. Seek medical treatment if irritation or inflammation develops or persists. Seek immediate medical treatment in the event of burns.

Ingestion: No evidence of ill effects from ingestion of this product.

SECTION V - FIRE AND EXPLOSION HAZARD DATA

Flammability: Non-flammable

Auto-ignition Temperature: Not Applicable

Flash Points: Not Applicable

SECTION VI – ACCIDENTAL RELEASE MEASURES

If spilled, collect by a dustless method and place into covered container for disposal. Dispose of in accordance with local, state, and federal regulations.

SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND STORAGE

Handle bags in a manner that will ensure minimal generation of dusts. Do not breathe dust which may have been generated accidentally. Follow safe work practices and wear the appropriate personal protective equipment. Workers must be instructed and trained in the safe work practices. If dust cannot be kept below permissible limits, wear a NIOSH N95 approved high efficiency respirator approved for abrasive dust.

Store away from incompatible materials (see Section X).

SECTION VIII – EXPOSURE CONTROL MEASURES

Engineering Controls: Engineering controls such as local exhaust must be employed to maintain airborne contamination levels below the exposure limits, where practicable.

When an abrasive blasting operation is conducted inside an enclosure or cabinet, the enclosure or cabinet must have exhaust ventilation that maintains air pressure below the air pressure outside the enclosure or cabinet, so as to prevent the escape of air contaminants to other work areas, and minimize worker exposure inside the enclosure.

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When abrasive blasting is conducted outside a structure, the process must be restricted to a work zone which is identified by signs or similar means as being contaminated. Only properly protected workers, who are necessary to perform the work, are permitted inside an enclosure or a restricted work zone where abrasive blasting is being conducted.

The operating controls for an abrasive blasting machine or jetting gun must be located near the nozzle in a position where the operator's hands will be when using the device.

Respiratory Protection: Respirators must be NIOSH approved and properly selected, maintained and used when working with this product. Knowledge of respiratory hazards and respiratory protection is essential to ensure appropriate selection of respirators. Use an approved high efficiency NIOSH dust respirator with a minimum N95 rating. In selecting the appropriate respirator must reflect the contaminant likely to be present in the spent product.

Skin Protection: Wear clothing to prevent contact with skin.

Eye and Face Protection: Wear safety glasses to prevent contact with eyes and make immediately available appropriate emergency eye washing equipment (e.g. portable or plumbed) capable of flushing the eyes for at least 15 minutes.

Exposure Limits: Consult local authorities for acceptable exposure limits

SECTION IX - PHYSICAL/CHEMICAL CHARACTERISTICS

Appearance: Clear, green or brown granules

Volatile Organic Compounds: 0% weight

Specific Gravity: 2.3

Boiling Point: Not Applicable

Vapor Density: Not Applicable

Solubility in Water: Insoluble

Melting Point: > 1095 °C

Vapor Pressure: Not Applicable

Evaporation Rate: Not Applicable

Odor: None

SECTION X - REACTIVITY DATA

Stability: Stable.

Incompatibility (Materials to Avoid): Contact with hydrogen fluoride

Reactivity: Product components may react with mineral acids such as hydrofluoric acid to produce a corrosive gas, silicon tetrafluoride.

Hazardous Polymerization: Will Not Occur.

SECTION XI – TOXICOLOGICAL INFORMATION

Routes of Entry: See Section III

Toxicity to Animals:

LD50: Not Available

LC50: Not Available

Special Remarks on Toxicity: Not Available

SECTION XII – ECOLOGICAL INFORMATION

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Ecotoxicity: No environmental impact for uncontaminated sand. Determination of sandblasting contamination is required to determine environmental impact.

BOD5 and COD: Not Available

Products of Biodegradation: Not available

Toxicity of the Products of Biodegradation: Not available

Special Remarks on the Products of Biodegradation: Not available

SECTION XIII – DISPOSAL CONSIDERATIONS

Waste Disposal Method: The packaging and material may be land filled. This product is not classified as a hazardous waste under the authority of the RCRA (40CFR 261) or CERCLA (40CFR 117&302).

SECTION XIV – TRANSPORT INFORMATION

Not hazardous under U.S. DOT and TDG regulations.

SECTION XV – OTHER REGULATORY INFORMATION

US OSHA 29CFR 1910.1200:

SARA (Title III) § 313: Not an Extremely Hazardous Substance under §302. Not a Toxic Chemical under §313.

TSCA (May 1997): All components are in compliance with the notification requirements of TSCA

CERCLA: No CERCLA Reportable Quantity has been established for this material.

Canadian Environmental Protection Act: CEPA, Domestic Substances list: Listed

Canadian WHMIS Classification: This product is not a WHMIS Controlled Product. This document complies with the WHMIS requirements of the Hazardous Products Act (HPA) and the CPR.

SECTION XVI – OTHER INFORMATION

Abbreviations:

ACGIH	American Conference of Government Industrial Hygienists
CAS	Chemical Abstract Service
CERCLA	Comprehensive Environmental Response, Compensation and Liability Act
CFR	Code of Federal Regulations
CPR	Controlled Products Regulations (Canada)
NIOSH	National Institute for Occupational Safety and Health
OSHA	Occupational Safety and Health Administration
PEL	Permissible Exposure Limit
RCRA	Resource Conservation and Recovery Act
SARA	Superfund Amendments and Reauthorization Act
TLV	Threshold Limit Value
TWA	Time-weighted Average
WHMIS	Workplace Hazardous Material Information System

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