

SAFETY DATA SHEET

SECTION 1 - IDENTIFICATION

Product Identifier: Crushed Glass

Synonyms: Crushed Glass, Abrasive Blast media

Product Name: Clean Bite, R14-T, R18-F, Coarse, Medium, Fine, R21-T, R28-F, R100

Recommended Use: Material is a granular material for use as an abrasive blasting media and various other industrial applications. This product is amorphous and contains no free crystalline silica.

Restrictions on Use: None

Manufacturer

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SECTION 2 - HAZARD IDENTIFICATION

CLASSIFICATION OF SUBSTANCE OR MIXTURE

This mixture as produced has not been assessed and/or tested for its physical, health, and environmental hazards, but hazards are inferred through similarity to other alumino-silicates and calcium carbonate mineralogical materials of similar composition. Analogous mixtures do not meet the criteria for classification as hazardous as defined in EU or GHS regulations.

OSHA HCS 2012: Specific Target Organ Toxicity - Repeated Exposure, Category 1.

LABEL ELEMENTS	HAZARD STATEMENT
<div style="text-align: center;">  </div> <p style="text-align: center; margin-top: 10px;">OSHA HCS 2012 - DANGER</p>	<p>May cause eye irritation. Causes damage to organs through prolonged or repeated exposure. May cause respiratory tract irritation</p>

PRECAUTIONARY STATEMENTS

PREVENTION - Wear eye protection. Avoid breathing dust. Wear respiratory protection (in case of inadequate ventilation).

RESPONSE - IF ON SKIN: Rinse with water.

IF IN EYES: Rinse with water, seek medical attention if discomfort continues.

IF INHALED: Move the exposed person to fresh air, keep at rest and comfortable. Dust in throat and nasal passages should clear spontaneously. Contact a physician if irritation persists or later develops

IF SWALLOWED: Rinse mouth.

STORAGE - Keep product dry.

DISPOSAL - Generally inert. Dispose in accordance with regulations.

HAZARDS NOT OTHERWISE CLASSIFIED (HNOC) OR NOT COVERED BY GHS - None.

SECTION 3 - COMPOSITION / INFORMATION ON INGREDIENTS

CAS #	Chemical Name	Percent Wt.
65997-17-3	Glass, Amorphous	100%
7631-86-9	Silicon Dioxide	60-75%
1344-81-2	Aluminum Oxide	<2.1%
1305-78-8	Calcium Oxide	5-12%
1309-48-4	Magnesium Oxide	<4%
1313-59-3	Sodium Oxide	12-18%
68784-55-4	Calcium Phosphate	<1.2%

SECTION 4 - FIRST AID MEASURES

INHALATION: If discomfort, irritation or symptoms of pulmonary involvement develop, remove from exposure, give oxygen and seek medical attention.

SKIN: Remove contaminated clothing. Thoroughly wash affected area with mild soap or detergent and water and prevent further contact. Seek medical attention if irritation occurs.

EYE: Do not rub eyes. Wash eyes, including under eyelids, immediately with copious amounts of water for 15 minutes. Contact lenses should not be worn when working with this material. Seek medical attention.

INGESTION: In the unlikely event of ingestion of a large quantity of material, do not induce vomiting; drink water or milk; seek medical attention.

MOST IMPORTANT SYMPTOMS AND EFFECTS

Acute (immediate):

Chronic (delayed):

Refer to Section 11 - Toxicological Information

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NOTES TO PHYSICIAN

All treatments should be based on observed signs and symptoms of distress in the patient. Consideration should be given to the possibility that overexposure to materials other than this product may have occurred.

SECTION 5 - FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA

Suitable Extinguishing Media: Non-flammable

Unsuitable Extinguishing Media: No specific information.

SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE

Unusual Fire and Explosion Hazards: No specific information.

Hazardous Combustion Products: No specific information.

Advice for Firefighters: Standard personal protective equipment.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Personal Precautions: Use adequate ventilation or dust mask approved by NIOSH. Wear adequate eye protection.

Emergency Procedures: No special emergency procedures, use adequate ventilation.

Environmental Precautions: Avoid run off to waterways and sewers

METHODS AND MATERIAL FOR CONTAINMENT AND CLEANING UP

Containment: Contain and cover spill to minimize dust emission

Clean Up: Clean up by sweeping, shoveling, vacuuming, or flushing with water.

Neutralizing Chemicals: None required

Disposal: Generally inert. Dispose in accordance with regulations – or recycle and use beneficially in other applications.

SECTION 7 - HANDLING AND STORAGE

Handling: Use adequate ventilation and/or dust mask approved by NIOSH. Wear adequate eye protection. Exposed skin may become dry and irritated with prolonged contact. Avoid contact with food and ingestion.

Storage: Keep product dry. Provide proper ventilation when handling this material to minimize dust.

Incompatible Materials

or Ignition Sources: Avoid contact with hydrofluoric acid

SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

Chemical Name	Percent Wt.	ACGIH TLV (TWA) (mg/m ³)	OSHA PEL (TWA) (mg/m ³)	NIOSH REL (TWA) (mg/m ³)	Cancer
Glass, Amorphous	100%	10	10	6	No
Silicon Dioxide	60-75%	10	15 (total) 5 (resp)	6	No
Aluminum Oxide	<2.1%	10	10 (total) 5 (resp)	Not established	No
Calcium Oxide	5-12%	2	2	2	No
Magnesium Oxide	<4%	10 (fume)	10 (total) (resp)	1	No
Sodium Oxide	12-18%	Not established	Not established	Not established	No
Calcium Phosphate	<1.2%	10 (total)	15 (total)	Not established	No

CONTROL PARAMETERS

- Eye Wash:** Ensure that eye wash stations are close to the workplace location
- Exposure:** Evaluate degree of exposure and use PPE as necessary
- Ventilation:** Local exhaust or ventilation adequate to reduce exposures below appropriate limits
- Other:** Ensure ventilation is adequate to maintain dust exposure below the exposure standard for personnel adjacent to the grit blasting area. Ensure that all blast cleaning equipment complies with Workcover and all appropriate Regulatory Authority Regulations and Codes of Practice.

EXPOSURE CONTROLS

- Eye Protection:** ANSI, CSA or ATM approved glasses or goggles. Dust goggles should be worn if excessive emissions are present and when wearing contact lenses.
- Respiratory Protection:** Follow OSHA respirator guidelines found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.
- Hand Protection:** No special requirements. Wear gloves to protect skin.
- Skin Protection:** No special requirements. Wear appropriate clothing to minimize skin contact.
- Footwear:** No special requirements.
- Protection:** Operator must wear Abrasive Blast Helmet Air Line Respirator of a type complying with AS1716. A protective Leather Jacket or suit, Leather Hand and Foot protection with Steel Toe Cap inserts. Use hearing protection when working in blast cleaning operations.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

MATERIAL DESCRIPTION

Physical Form: Off-White Powder

Appearance / Description: Crushed glass

Color: Off-White

Odor: Negligible

Taste: Negligible

Particulate Type:

Particulate Size: 76 µg

Aerosol Type: Not relevant

Odor Threshold: N/A

Physical & Chemical Properties: Data lacking

GENERAL PROPERTIES

Boiling Point: No data available

Melting Point: 800°C

Decomposition

Head of

Temperature: No data available

Decomposition: No data available

pH: 6

**Specific Gravity /
Relative Density:** 2.46

Density: 88 lb/ft³

Bulk Density: No data available

Water Solubility: Insoluble

Solvent Solubility: No data available

Viscosity: N/A

Explosive Properties: No data available

Oxidizing Properties: No data available

VOLATILITY

Vapor Pressure: N/A

Vapor Density: N/A

Evaporation Rate: N/A

VOC (Wt.) N/A

VOC (Vol.) N/A

Volatiles (Wt.) N/A

Volatiles (Vol.) N/A

FLAMMABILITY**ENVIRONMENTAL****Flash Point:** Not combustible**Half Life:** Data lacking**Self-Accelerating
Decomposition Temp (SADT):** Not relevant**Coefficient of
Water/Oil Distribution:** Not relevant**Heat of Combustion (ΔH_c):** Not relevant**Bioconcentration
Factor:** Data lacking**Burning Time:** Not relevant**Chemical Oxygen
Demand:** Data lacking**Flame Height:** Not relevant**Degradation:** Data lacking**Ignition Distance:** Not relevant**LEL:** Not relevant**Octanol/Water Partition
Coefficient:** Not relevant**UEL:** Not relevant**Bioaccumulation
Factor:** Data lacking**Autoignition:** Not relevant**Flame Duration:** Not relevant**Biochemical
Oxygen Demand
(BOD/BOD5):** Not relevant**Flame Extension:** Not relevant**Persistence:** Data lacking**Flammability (solid, gas):** Not relevant**SECTION 10 - STABILITY AND REACTIVITY****Reactivity:** Most common chemicals are non-reactive with glass**Chemical Stability:** Stable under normal conditions.**Possibility of Hazardous Reactions:** Glass will react with Hydrofluoric Acid**Conditions to Avoid:** As with any dust, there is the potential for a dust explosion and thus ventilation should be such that gross levels of dust do not accumulate.**Incompatible Materials:** Glass will react with Hydrofluoric Acid**Hazardous Decomposition Products:** Will not occur

SECTION 11 - TOXICOLOGICAL INFORMATION

INFORMATION ON TOXICOLOGICAL EFFECT

GHS PROPERTIES	CLASSIFICATION
Acute Toxicity:	OSHA HCS 2012 • Classification criteria not met
Aspiration Hazard:	OSHA HCS 2012 • Classification criteria not met
Carcinogenicity:	OSHA HCS 2012 • Classification criteria not met
Germ Cell Mutagenicity:	OSHA HCS 2012 • Classification criteria not met
Respiratory Sensitization:	OSHA HCS 2012 • Classification criteria not met
Serious Eye Damage/Irritation:	OSHA HCS 2012 • Classification criteria not met
Skin Corrosion/Irritation:	OSHA HCS 2012 • Classification criteria not met
Skin Sensitization:	OSHA HCS 2012 • Classification criteria not met
STOT-RE 2:	OSHA HCS 2012 • Classification criteria not met
STOT-SE:	OSHA HCS 2012 • Specific Target Organ Toxicity Single Exposure 3: Narcotic Effects
Toxicity for Reproduction:	OSHA HCS 2012 • Classification criteria not met

POTENTIAL HEALTH EFFECTS

Inhalation:	Skin:	Eye:	Ingestion:
<i>Acute (Immediate):</i> Irritation, coughing	<i>Acute (Immediate):</i> Irritation	<i>Acute (Immediate):</i> Irritation	<i>Acute (Immediate):</i> Irritation
<i>Chronic (Delayed):</i> Respiratory irritation, pneumoconiosis	<i>Chronic (Delayed):</i> Data lacking	<i>Chronic (Delayed):</i> Data lacking	<i>Chronic (Delayed):</i> Data lacking

SECTION 12 - ECOLOGICAL INFORMATION

Toxicity:	Material data lacking	Mobility in Soil:	Material data lacking
Persistence and Degradability:	Material data lacking	Other Adverse Effects:	Material data lacking
	Material data lacking		
Bioaccumulative Potential:	Material data lacking	Other Information:	Material data lacking

SECTION 13 - DISPOSAL CONSIDERATIONS

Product Waste: Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

Packaging Waste: Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

SECTION 14 - TRANSPORT INFORMATION

DOT Shipping Name:	None	UN Number:	Not applicable.
DOT Hazard Class:	None	UN Proper Shipping Names:	Not applicable.
DOT Label(s):	None	Transport Hazard Class:	Not applicable.
		Packaging Group:	Not applicable.

Crushed glass is classified as a non-hazardous material by the Canadian Transportation of Dangerous Good (TDG) Regulations and the US Department of Transportations (DOT).
EU Transportation: Road (ADR); Rail (RID); Sea (IMDG); Air (ICO/IATA) – not restricted.

International Maritime Dangerous Goods (IMDG Code) – Not classified.

Transport in bulk EU Annex II of MARPOL73/78 and the IBC Code) – Not applicable.

SECTION 15 - REGULATORY INFORMATION

CAS No.	Chemical Name	SARA 302	SARA 304	SARA 313	RCRA	CAA Sec. 112
65997-17-3	Glass, Amorphous	No	No	No	No	No
7631-86-9	Silicon Dioxide	No	No	No	No	No
1344-81-2	Aluminum Oxide	No	No	No	No	No
1305-78-8	Calcium Oxide	No	No	No	No	No
1309-48-4	Magnesium Oxide	No	No	No	No	No
1313-59-3	Sodium Oxide	No	No	No	No	No
68784-55-4	Calcium Phosphate	No	No	No	No	No

SECTION 16 - OTHER INFORMATION

Last Revision Date: 1/20/2020

Preparation Date: 8/29/2019

Disclaimer / Statement of Liability: The information contained herein is believed to be accurate but is not warranted to be so. Data and calculations are based on information furnished by the manufacturer of the product and manufacturers of the components of the product. Users are advised to confirm in advance of need that information is current, applicable and suited to the circumstance of use. Vendor assumes no responsibility for injury to vendee or third persons proximately caused by the material if reasonable safety procedures are not adhered to as stipulated in the data sheet. Furthermore, vendor assumes no responsibility for injury caused by abnormal use of this material even if reasonable safety procedures are followed. Any questions regarding this product should be directed to the manufacturer of the product as described in Section 1