

## SAFETY DATA SHEET

OSHA HCS (29 CFR 1910.1200) - GHS Classification

### SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

**Product identifier**

Chemical Name	Not applicable.
Trade Name	3-Mix-Processed Glass Abrasive
CAS No.	Mixture

**Relevant identified uses of the substance or mixture and uses advised against**

Identified Use(s)	Abrasive
Uses Advised Against	None.

**Details of the supplier of the safety data sheet**

Company Identification	Strategic Materials, Inc. 16365 Park Ten Place Suite 200 Houston, TX 77084
Telephone	1-281-647-2705
Fax	1-281-647-2710
E-Mail (competent person)	<a href="mailto:msds@strategicmaterials.com">msds@strategicmaterials.com</a>

**Emergency telephone number**

Emergency Phone No.	1-281-647-2705 (Monday – Friday; 8:00 AM – 5:00 PM Central Time Zone)
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### SECTION 2: HAZARDS IDENTIFICATION

**Classification of the substance or mixture**

OSHA HCS (29 CFR 1910.1200) / GHS Classification	Hazard Not Otherwise Classified (HNOC) - Mechanical irritation of the respiratory tract. Mechanical irritation of the skin and eyes.
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**Label elements**

Hazard Symbol	None
Hazard Statement(s)	Prolonged and repeated exposures to fine particles may cause: Mechanical irritation of the respiratory tract. Mechanical irritation of the skin and eyes.

Precautionary Statement(s)	None
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**Other hazards**

None anticipated

**Additional Information**

Warning - substance not yet tested completely.

### SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

**Mixtures**

Hazardous Ingredient(s)	%W/W	CAS No.	Hazard Statement(s)
Glass oxides of silicon, calcium, sodium, aluminum, iron, magnesium, and/or potassium	100	-----	Mechanical irritation of the respiratory tract. Mechanical irritation of the skin and eyes.

**Additional Information** – This product, as supplied, contains <0.1% crystalline silica.

### SECTION 4: FIRST AID MEASURES



## Description of first aid measures

Inhalation	Unlikely to be required but if necessary treat symptomatically.
Skin Contact	Unlikely to be required but if necessary treat symptomatically.
Eye Contact	If substance has gotten into the eyes, wash out with water. Get immediate medical attention.
Ingestion	Unlikely to be required but if necessary treat symptomatically.

**Most important symptoms and effects, both acute and delayed** None

**Indication of any immediate medical attention and special treatment needed** None

## SECTION 5: FIRE-FIGHTING MEASURES

### Extinguishing Media

-Suitable Extinguishing Media	Non-combustible. As appropriate for surrounding fire.
-Unsuitable Extinguishing Media	None anticipated.

**Special hazards arising from the substance or mixture** None  
**Advice for fire-fighters** As appropriate for surrounding fire.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

**Personal precautions, protective equipment and emergency procedures** Not normally required.

**Environmental precautions** Not normally required.

**Methods and material for containment and cleaning up** Transfer to a container for disposal or recovery.

**Reference to other sections** None

**Additional Information** None

## SECTION 7: HANDLING AND STORAGE

**Precautions for safe handling** Comply with occupational limit values for dust. Ground / bond equipment to prevent build-up of static electricity.

**Conditions for safe storage, including any incompatibilities**

-Storage temperature	Store at room temperature.
-Incompatible materials	None

**Specific end use(s)** Abrasive

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### Control parameters

#### Occupational Exposure Limits

SUBSTANCE.	CAS No.	LTEL (8 hr TWA mg/m <sup>3</sup> )		STEL (mg/m <sup>3</sup> )		Note:
		OSHA PEL	TLV (ACGIH)	OSHA PEL	TLV (ACGIH)	
Particulate Matter	-----	15 <sup>^</sup> / 10 <sup>*</sup>	10 <sup>^^</sup> / 3 <sup>*</sup>	-----	-----	See below
Calcium Oxide	1305-78-8	5 <sup>^</sup>	2 <sup>^</sup>			See below
Aluminum Oxide	1344-28-1	15 <sup>^</sup> / 5 <sup>*</sup>	1 <sup>*</sup>			See below
Iron Oxide	1309-37-1	10 <sup>**</sup>	5 <sup>*</sup>			See below
Magnesium Oxide	1309-48-4	15 <sup>**</sup>	10 <sup>^^</sup>			See below

- LTEL: Long Term Exposure Limit; - STEL: Short Term Exposure Limit; - <sup>^</sup>Total Dust / <sup>\*</sup>Respirable Dust / <sup>^^</sup>Inhalable Dust / <sup>\*\*</sup>Fume;

Cal. OSHA 10 mg/m<sup>3</sup>.

**Recommended monitoring method**

NIOSH 0500 / 0600

**Exposure controls**

**Appropriate engineering controls**

The following to be used as necessary: Hand tool with integrated exhaust, glove box, local exhaust ventilation, control of release of inhalable and / or respirable particulates / aerosols. For abrasive blasting, refer to OSHA 29 CFR 1910.94(a).

**Personal protection equipment**

**For abrasive blasting, refer to OSHA 29 CFR 1910.94(a).**

Eye/face protection



The following to be used as necessary: Complete eye and face protection. Safety spectacles/goggles/full face shield.

Skin protection (Hand protection/ Other)



The following to be used as necessary: Wear suitable protective clothing and gloves.

Respiratory protection



The following to be used as necessary: Supplied-air respirator, air-purifying respirator with N/P-95 cartridge, or filtering-facepiece respirator depending on exposure levels in relation to the above occupational exposure limits.

Thermal hazards

Not normally required.

**Environmental Exposure Controls**

Not normally required.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

**Information on basic physical and chemical properties**

Appearance	Solid
Color	Clear / Colorless, Amber, and / or Green
Odor	None
Odor Threshold (ppm)	Not applicable
pH (Value)	Not applicable
Softening Point (°C)	728 - 732
Melting Point (°C) / Freezing Point (°C)	Not applicable
Boiling point/boiling range (°C):	Not applicable
Flash Point (°C)	Not applicable
Evaporation Rate	Not applicable
Flammability (solid, gas)	Non-flammable
Explosive Limit Ranges	Not applicable
Vapour pressure (Pascal)	Not applicable
Vapour Density (Air=1)	Not applicable
Density (g/ml)	Varies ( - )
Specific Gravity	Not applicable
Solubility (Water)	Insoluble
Solubility (Other)	Not available
Partition Coefficient (n-Octanol/water)	Not applicable
Auto Ignition Point (°C)	Not available
Decomposition Temperature (°C)	Not available
Kinematic Viscosity (mPa·s) @ 22°C	Not applicable
Explosive properties	Not explosive.

Oxidizing properties

Not oxidizing.

**Other information**

Not available

## SECTION 10: STABILITY AND REACTIVITY

<b>Reactivity</b>	Stable under normal conditions.
<b>Chemical stability</b>	Stable.
<b>Possibility of hazardous reactions</b>	None anticipated.
<b>Conditions to avoid</b>	None known
<b>Incompatible materials</b>	None
<b>Hazardous decomposition product(s)</b>	None known

## SECTION 11: TOXICOLOGICAL INFORMATION

**Exposure routes:** Skin Contact, Eye Contact, Inhalation

**Information on toxicological effects**

Acute toxicity	Will not occur.
Irritant	Mechanical irritation of the skin and eyes.
Sensitization	It is not a skin sensitizer.
Repeated dose toxicity	Will not occur.
Mutagenicity	Will not occur.
Carcinogenicity	Not known or reasonably anticipated to cause cancer in humans

NTP	IARC	ACGIH	OSHA
Not Listed	Not Listed	Not Listed	Not Listed

Other information

Warning - substance not yet tested completely. Prolonged and repeated exposures to fine particles may cause: Mechanical irritation of the respiratory tract. Mechanical irritation of the skin and eyes. In addition, inflammation and cell damage in the nose and larynx of laboratory animals has been reported.

## SECTION 12: ECOLOGICAL INFORMATION

**Substances in preparations / mixtures:**

Acute toxicity	Will not occur.
Long Term Toxicity	Will not occur.
<b>Persistence and degradability</b>	This product is predicted not to degrade in soil and water.
<b>Bioaccumulative potential</b>	The product has no potential for bioaccumulation.
<b>Mobility in soil</b>	The product is predicted to have low mobility in soil.
<b>Results of PBT and vPvB assessment</b>	Not classified as PBT or vPvB.
<b>Other adverse effects</b>	None known.

## SECTION 13: DISPOSAL CONSIDERATIONS

<b>Waste treatment methods</b>	Disposal should be in accordance with local, state or national legislation. Consult an accredited waste disposal contractor or the local authority for advice. Used abrasive blasting grit must be characterized before disposal.
<b>Additional Information</b>	None known.

## SECTION 14: TRANSPORT INFORMATION

<u>Category</u>	<u>Land transport (U.S. DOT)</u>	<u>Sea transport (IMDG)</u>	<u>Air transport (ICAO/IATA)</u>
<b>UN number</b> <b>Proper Shipping Name</b>			Not classified as dangerous for transport.

## SECTION 15: REGULATORY INFORMATION

**Safety, health and environmental regulations/legislation specific for the substance or mixture:**

**TSCA (Toxic Substance Control Act) - Inventory Status:** All components listed or polymer exempt.

**RCRA Hazardous Waste Number (40 CFR 261.33):** None

**US RCRA Hazard Class:** None

**SARA 311/312 - Hazard Categories:** None

Fire     Sudden Release     Reactivity     Immediate (acute)     Chronic (delayed)

**SARA 313 - Toxic Chemicals (40 CFR 372):** None

**SARA 302 - Extremely Hazardous Substances:** None

**Proposition 65 (California):** None

## SECTION 16: OTHER INFORMATION

**Additional Information**

None

**Date of preparation:** April 21, 2015

**The following sections contain revisions or new statements:** 1 - 16

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