

# 3-Mix-Processed Glass Abrasive



## SAFETY DATA SHEET

OSHA HCS (29 CFR 1910.1200) - GHS Classification

*A Safety Data Sheet is not legally required for this product under the OSHA Hazard Communication Standard (29 CFR 1910.1200). The following information is provided as a courtesy service to our customers.*

### 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) [msds@strategicmaterials.com](mailto:msds@strategicmaterials.com)

#### Emergency telephone number

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

### 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.

#### 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

#### 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.

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## 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

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## 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

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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.
<b>Other information</b>	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 to be expected.

NTP	IARC	ACGIH	OSHA
No.	No.	No.	No.

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.

### Persistence and degradability

This product is predicted not to degrade in soil and water.

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<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> <u>(U.S. DOT)</u>	<u>Sea transport</u> <u>(IMDG)</u>	<u>Air transport</u> <u>(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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