

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	WhiteBlast™
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. 17220 Katy Freeway; Suite 150 Houston, TX 77094
Telephone	1-281-647-2705
Fax	1-281-647-2710
E-Mail (competent person)	msds@strategicmaterials.com

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

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	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 ³)		STEL (mg/m ³)		Note:
		OSHA PEL	TLV (ACGIH)	OSHA PEL	TLV (ACGIH)	
Particulate Matter	----	15 [^] / 10 [*]	10 ^{^^} / 3 [*]	----	----	See below
Calcium Oxide	1305-78-8	5 [^]	2 [^]			See below
Aluminum Oxide	1344-28-1	15 [^] / 5 [*]	1 [*]			See below
Iron Oxide	1309-37-1	10 ^{**}	5 [*]			See below
Magnesium Oxide	1309-48-4	15 ^{**}	10 ^{^^}			See below

- LTEL: Long Term Exposure Limit; - STEL: Short Term Exposure Limit; - [^]Total Dust / ^{*}Respirable Dust / ^{^^}Inhalable Dust / ^{**}Fume; Cal. OSHA 10 mg/m³.

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

Eye/face protection



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

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, 150 - 2000 micron particles
Color.	Clear
Odor	None
Odor Threshold (ppm)	Not applicable
pH (Value)	Not applicable
Softening Point (°C)	724
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)	2.46 - 2.49
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

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

Persistence and degradability	This product is predicted not to degrade in soil and water.
Bioaccumulative potential	The product has no potential for bioaccumulation.
Mobility in soil	The product is predicted to have low mobility in soil.
Results of PBT and vPvB assessment	Not classified as PBT or vPvB.
Other adverse effects	None known.

SECTION 13: DISPOSAL CONSIDERATIONS

Waste treatment methods	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.
Additional Information	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>
UN number			
Proper Shipping Name			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

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

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