

MATERIAL SAFETY DATA SHEET



Section I - Company Information

Manufacturer's Name Andela Products		
Address 493 State Route 28		
City Richfield Springs	State NY	Country USA
Postal Code 13439	Telephone Number 315-858-0055	Date 7/22/2010

Section II - Product Identification and Use

Product Identifiers	Amorphous Silica, Glass Oxide, or Soda-Lime Silicon Dioxide
Product Use	Expendable abrasive for dry or wet grit blasting
Product Name	SunBlast

Section III - Hazardous Ingredients

Elements Soda-Lime Silicon Dioxide Glass	Weight % 100	CAS Number 9110U812
Glass sand is not classified as a hazardous material by the criteria of the OSHA Hazard Communication Standard, Title 29, Code of Federal Regulations, Section 1910.1200, <i>Hazard Communication</i> .		

Section IV - Physical Data

Physical State Solid	Boiling Point N/A	Vapor Pressure (mmHg) N/A
Odor Odorless	Specific Gravity (H2O = 1) 2.5	Vapor Density (Air = 1) N/A
Odor Threshold (ppm) Odorless	Softening Point (C) 726 C	Percentage Volatiles N/A
Evaporation Rate N/A	Freezing Point (C) N/A	Solubility in Water Insoluble
pH of Solution N/A	Appearance Transparent or colored particulate	

Section V - Fire and Explosion Data

Flammability	Product is nonflammable, non-explosive, and stable under normal conditions of use, storage and transportation
Means of Extinction	N/A nonflammable

Section VI - Accidental Release Measures

Steps to be taken in case of material spill: Sweep and discard; avoid excessive dusting

Waste Disposal Method: Dispose in approved landfill in accordance with federal, state, and local regulations

Precautions for handling & storing: Spillage may result in slippery conditions. When transferring material, care should be taken to avoid dusting.

This material is not a SARA Title III reportable substance

Section VII - Reactivity Data

Chemical Stability:	Stable
Materials to Avoid:	Hydrofluoric Acid
Decomposition:	Will not occur
Polymerization:	Will not occur

Section VIII - Health Hazard Data

Nuisance Dust (Total)	15 mg/m ³ TLV (units) depends on particle size
Nuisance Dust (Respirable)	5 mg/m ³ TLV (units) depends on particle size
Routes of Entry	Lungs (breathing): Yes Ingestion: No Skin: No
Health Hazard	Dust in excess of recommended exposure limits may result in irritation to the respiratory tract
Signs and Symptoms of Exposure	Eye and respiratory irritation may result if recommended exposure limits are exceeded
Medical Conditions Generally Aggravated by Exposure	Chronic lung conditions may be aggravated by exposure to high concentrations of dust

Threshold Exposure Limit to Fumes	Exposure to and contact from dust may irritate the respiratory system, eyes, or skin.
Carcinogenicity	Soda lime glass is not listed on the NTP, IARC, or OSHA list of carcinogens

Take special precaution to note the potential hazards of substrate, coatings or contamination that are removed by use of our product. All Material Certifications and chemical analyses should be obtained before commencement of work

Section IX - First Aid Measures

Eye Contact	In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Call a physician.
Skin Contact	The product is not hazardous by skin contact, but removal of particles and cleaning the skin after use is advisable
Inhalation	If inhaled, immediately remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Call a physician
Ingestion	No specific intervention is indicated as the product is not hazardous by ingestion. However, if symptoms occur, consult a physician.

Section X - Exposure Controls & Personal Protection

Engineering Controls	<p>Use sufficient ventilation to keep employee exposure below recommended limits.</p> <p>If using this product as an abrasive blasting agent in confined areas, airborne dust levels should be controlled by physical enclosure of the abrasive blasting operation. The enclosure should be exhaust ventilated in accordance with 29 CFR 1910.94 Ventilation (a) Abrasive Blasting</p>
Eye	Safety glasses with side shields should be worn as a minimum protection from impact. Dust goggles should be worn when excessively dusty conditions are present or anticipated
Respirator	<p>A NIOSH approved air-purifying respirator with a type 100 (high efficiency) particulate cartridge or canister may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits.</p> <p>For abrasive blasting use a type CE abrasive-blast, supplied-air respirator covering head, neck, and shoulders to provide protection from rebound abrasives per 29 CFR 1910.94 (a)(5)</p>
Substrate, Coatings, or Contamination	Take all necessary precautions stated herein as well as those directed by the coatings and substrate suppliers. Any contamination that cannot be traced must be sampled for its content prior to work.

Section XI - Toxicology Information

Animal Data	N/A
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Section XII - Handling & Storage

Handling (Personal): Avoid breathing dust. Wash thoroughly after handling. If handling respirable flour, use of gloves and washing before eating, drinking, applying cosmetics or smoking is advisable to minimize dust inhalation or ingestion from hands.

Section XIII - Disposal Considerations

Waste Disposal: Treatment, storage, transportation and disposal must be in accordance with applicable Federal, State/Provincial and Local regulations. If approved, may be transferred to a land disposal site.

Section XIV - Transportation Information

Shipping Containers: Hopper cars, hopper trucks, bags and semi-bulk bags.

SunBlast products are not regulated as a hazardous material by DOT or IMO.

Section XV - Regulatory Information

Title III Hazard Classifications: Sections 311, 312

Acute: No	Chronic: No	Reactivity: No
Fire: No	Pressure: No	

Section XVI - Silicosis Warning

This product is virtually crystalline-silica free (contains less than 1% free silica); therefore, may not cause silicosis, a fatal lung disease.

Breathing dust from surfaces being blasted may cause other serious or fatal diseases. Special precautions should be taken in these cases with all material certifications and chemical analyses obtained before commencement of work.

DANGER

You must comply with all OSHA, Local, City, State, Province, Country and jurisdiction regulations, ordinances and standards related to your particular work area and environment. Keep unprotected individuals out of the work area. Failure to avoid the above danger will result in death or serious injury,

The opinions expressed herein are those of competent personnel within Glass Recycling Technologies, Inc (GRT). GRT believes that the information contained herein is current and accurate for the normal and intended use of this product as of the date of this Material Safety Data Sheet. Since the use of this information and of those opinions or the conditions of use of the product are not within the control of GRT it is the users obligation to determine and observe the conditions of safe use and disposal of the product by their operations. GRT will not be liable for any loss, damage or injury arising out of the use thereof.