

Mobile ABRASIVES

SAFETY DATA SHEET (SDS)

First Prepared: June 1, 2015 Revision Date: May 17, 2017

I. PRODUCT AND COMPANY IDENTIFICATION

TRADE NAME AS LABELED: Alabama Blast; White Sugar Sand. All grades.

CHEMICAL NAME & FORMULA: Silica sand, mainly in the form of Quartz (SiO₂). Also, Fe₂O₃ and Al₂O₃.

MANUFACTURER: Mobile Abrasives (Phone 251-694-0023, Fax 251-694-7993)

6927 Mac Drive
Theodore, AL 36582

24-HR EMERGENCY TELEPHONE NUMBER: 251-694-0023

II. HAZARDS IDENTIFICATION

GHS CLASSIFICATIONS

Health Hazard: Not Classified

Environmental Hazard: Not Classified

Physical Hazard: Not Classified

EMERGENCY OVERVIEW

Immediate Concerns: Alabama Blast is not flammable, combustible or explosive; and poses no unusual hazard in an unused condition. During use for abrasive blasting, dust may irritate the respiratory tract, skin and eyes; and may cause inflammation and pulmonary fibrosis.

III. COMPOSITION/INFORMATION ON INGREDIENTS

CAS Number	Chemical Name	Percent	ACGIH-TLV	OSHA-PEL
14808-60-7	Quartz	>90	0.025 mg/m ³ (R)	<u>10 mg/m³</u> % SiO ₂ + 2 (Respirable, R)

NIOSH recommends an Exposure Limit (REL) of 0.05 mg/m³ respirable free silica. ACGIH-TLV and OSHA PEL are not inter-changeable limit values.

IV. FIRST AID MEASURES

EYE CONTACT: Flush with water for at least 15 minutes. If irritation or redness persists, see a physician.

SKIN CONTACT: Wash with soap and water. If irritation persists, see a physician.

INHALATION: Remove to fresh air at once. Apply artificial respiration if in breathing difficulties.

INGESTION: Give one or two glasses of water. If discomfort persists, see a physician.

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V. FIRE FIGHTING MEASURES

FLAMMABLE CLASS: This product is non-combustible.

GENERAL HAZARD: None known

FIRE EXTINGUISHING MATERIALS: water spray: x carbon dioxide: x foam: x dry chemical: x

UNUSUAL FIRE-FIGHTING PROCEDURES: None.

UNUSUAL FIRE AND EXPLOSION HAZARDS: None.

FIRE FIGHTING PROCEDURES: Use fire-extinguishing media appropriate for surrounding materials. Move product containers from fire area if it can be done without risk. Cool containers by flooding until heat is dissipated.

HAZARDOUS DECOMPOSITION PRODUCTS: None known

VI. ACCIDENTAL RELEASE MEASURES

SPILL RESPONSE PROCEDURES: Clean up using dustless methods (water or vacuum) to minimize generation of respirable silica particles. Dispose collected material in accordance with local, state, and federal regulations.

VII. HANDLING AND STORAGE

HANDLING: Follow Safety Data Sheet (SDS) and label precautions.

STORAGE: Limit dust generation. Keep dry.

VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

VENTILATION AND ENGINEERING CONTROLS: Use local and mechanical ventilation to reduce respirable silica to below safe levels.

RESPIRATORY PROTECTION: Use OSHA or NIOSH-approved positive pressure supplied-air type.

EYE PROTECTION: Safety glasses with side shields.

GLOVES: Leather, rubber, cloth, or canvas to prevent any skin irritation.

OTHER PROTECTIVE CLOTHING AND EQUIPMENT: Ear protectors when blasting. Long sleeves and pants to prevent any skin irritation.

WORK PRACTICES, HYGIENIC PRACTICES: Clean up spills promptly. Do not engage in activities that will generate respirable silica particles.

IX. PHYSICAL AND CHEMICAL PROPERTIES

Vapor density (Air=1): Not applicable.

Specific gravity (H₂O=1): 2.65

Solubility in water: Insoluble.

Vapor pressure (mm Hg): 10 mm @ 1730° C.

Percent volatility by volume (%): None.

Melting point: 1710° C.

Boiling point: N/A.

Evaporation rate: None.

Appearance: White to tan sand.

Odor: Odorless.

X. STABILITY AND REACTIVITY

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Stability: Stable Unstable
Incompatibility (materials to avoid): HF, ClF₃, MnF₃, OF₂.
Hazardous polymerization: May occur Will not occur
Hazardous decomposition products: None.

XI. TOXICOLOGICAL INFORMATION

Routes of entry: Inhalation, ingestion, eye contact, and skin absorption.

Threshold Limit Value: 0.025 mg/m³ for crystalline silica (respirable); 3 mg/m³ for nuisance dust (respirable).

HEALTH HAZARDS:

Acute: Possible nasal congestion and eye, skin, and respiratory tract irritant.

Chronic:



PROLONGED INHALATION OF RESPIRABLE
SILICA WILL RESULT IN PERMANENT LUNG
DAMAGE (SILICOSIS).



SYMPTOMS OF OVEREXPOSURE:

Inhaled: Shortness of breath, coughing, reduced pulmonary function.

Contact with eyes or skin: Irritation.

Swallowed: Gastro-intestinal discomfort.

Contains suspected cancer agent? yes **NIOSH:** yes **NTP:** yes **IARC:** yes

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XII. ECOLOGICAL INFORMATION

ECO-TOXICOLOGICAL INFORMATION: This product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

BIOACCUMULATION/ACCUMULATION: This product is not bio-accumulating.

DISTRIBUTION: Not available.

AQUATIC TOXICITY (ACUTE): None known.

CHEMICAL FATE INFORMATION: Not available.

XIII. DISPOSAL CONSIDERATIONS

WASTE DISPOSAL: Handle as inert material. In the unused form, material may be disposed of as non-hazardous solid waste. Dispose in accordance with all applicable regulations.

COMMENTS: TCLP testing of unused product indicates that it is not hazardous waste by characteristic.

XIV. TRANSPORT INFORMATION

DOT SHIPPING NAME: Non-regulated Material.

DOT HAZARD CLASS: Non-regulated Material.

XV. REGULATORY INFORMATION

WHMIS 2015 Classification: This Safety Data Sheet (SDS) has been prepared to comply with this requirement.

OSHA: This SDS has been prepared to comply with the Hazard Communication Standard, 29 CFR 1910.1200.

SARA: Crystalline silica (CAS No. 1317-95-9) is not subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-to-Know Act of 1986 and 40 CFR 372.

TSCA: Quartz (CAS No. 14808-60-7) is listed on the Toxic Substance Control Act inventory list.

CALIFORNIA PROPOSITION 65: WARNING - This product contains chemicals known to the State of California to cause cancer, birth defects or other reproductive harm.

XVI. OTHER INFORMATION

Prepared By: Mark C. Mummert, Ph.D., PE, CIH (#8415 CP), Mummert Environmental Consulting
(mummenv@verizon.net; 717-795-9460; www.mummenv.com)

HMIS CODING: HEALTH: 1 FIRE: 0 REACTIVITY: 0 PPE: B

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