



experience,  
trust, service

800-BLAST-IT  
www.marcousa.com

Dallas, TX • Davenport, IA • Harrisburg, PA • Houston, TX • New Orleans, LA • Savannah, GA

Autofax #00093718  
page 1 of 2

Updated: 02/26/07

## BLASTOX PRODUCT INFORMATION

### I. Identity

**Supplier's Name:** The TDJ Group, Inc.  
**Supplier's Address:** 760-A Industrial Drive  
Cary, IL 60013  
**Information Telephone Number:** 847-639-1113  
**Fax Number:** 847-639-0499

### II. Ingredients & Identity Information

**Common Name:** Blastox<sup>®</sup> Abrasive Blasting Additive

Ingredients	Name	C.A.S. #
Ca <sub>3</sub> SiO <sub>5</sub>	Tri Calcium Silicate	12168-85-3
Ca <sub>2</sub> SiO <sub>4</sub>	Di Calcium Silicate	10034-77-2
Ca <sub>3</sub> Al <sub>2</sub> O <sub>3</sub>	Tri Calcium Aluminate	12042-78-3
Ca <sub>4</sub> Al <sub>2</sub> Fe <sub>2</sub> O <sub>10</sub>	Calcium Alumino Ferrite	12068-35-8

Trace amounts of CaO and MgO may also be present

### III. Physical & Chemical Characteristics

**Solubility in Water:** Slight (0.1 - 1.0%)  
**Appearance and Odor:** Dark Gray with no odor  
**Melting Point:** N/A  
**Vapor Density:** N/A  
**Specific Gravity:** 3.15 - 3.22  
**Boiling Point:** N/A  
**Vapor Pressure:** N/A  
**Evaporation Rate:** N/A

### IV. Fire Hazard Data

Blastox<sup>®</sup> is not flammable nor explosive.

### V. Reactivity Data

Blastox<sup>®</sup> is stable and hazardous polymerization will not occur. Keep Blastox<sup>®</sup> dry until used.

### VI. Health Hazard Data

**Routes of Entry:** Inhalation & Ingestion. No skin absorption.  
**ACGIH Threshold Limit Value (1988-1989):** Total dust containing no asbestos and less than 1% silica - 10mg/m<sup>3</sup>  
**OSHA PEL (Transitional):** Total dust 50 million particles per cubic foot  
**OSHA PEL (Final):** Total dust 10mg/m<sup>3</sup>, Respirable dust 5 mg/m<sup>3</sup>

#### EFFECTS OF OVEREXPOSURE:

**Acute:** This material contains calcium silicates and calcium aluminates, is alkaline and can dry the skin and may cause caustic burns. Direct contact with the eyes can cause irritation. Inhalation can irritate the upper respiratory system.

**Chronic:** Abrasive dust can cause inflammation of the lining tissue of the nose and inflammation of the cornea. Hypersensitive individuals may develop an allergic dermatitis.

**Signs and Symptoms of Exposure:** Redness to skin, minor irritation to eyes, nose, and throat.

**Emergency First Aid Procedures:** Irrigate (flood) eyes immediately and repeatedly with clean water. Wash exposed skin areas with soap and water. Apply sterile dressings. Remove from further exposure those individuals who develop signs or symptoms. Consult a physician immediately.

## MSDS SHEET - BLASTOX

### VII. Precautions for Safe Handling and Use

If Blastox<sup>®</sup> is spilled it can be cleaned up by using normal dry methods. Use protective clothing to prevent skin exposure. Rubber boots, rubber gloves, tight fitting goggles and OSHA, MSHA, or NIOSH approved respirators should be used. Emergency procedures are not required.

Blastox<sup>®</sup> can be treated as a common waste for disposal or returned to the container for later use if not contaminated or wet.

### VIII. Control Measures

Observe ANSI standard Z88.2-1980 "Practices for Respiratory Protection," and standard Z9.4-19804 "Ventilation and Safe Practices of Abrasive Blasting Operations." Local exhaust can be used to control airborne dust levels. Use protective clothing to prevent skin exposure. Rubber boots, rubber gloves, tight fitting goggles and OSHA, MSHA, or NIOSH approved respirators should be used. Following work with Blastox<sup>®</sup>, workers should wash with soap and water and apply a moisturizing cream.

### IX. Silicosis Warning

**▲ DANGER** Breathing dust containing silica will cause silicosis, a fatal lung disease. Breathing dust during blasting operations will cause asbestosis, lead poisoning and/or other serious or fatal diseases. A NIOSH-approved, well-maintained, supplied-air abrasive blasting respirator must be used by anyone blasting, anyone handling or using the abrasive and anyone in the area of the dust. Harmful dust containing toxic material from abrasives or surfaces being blasted can remain suspended in the air for long periods of time after blasting has ceased. Failure to avoid the above danger will result in death or serious injury.

**▲ 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.

**DISCLAIMER:** The information in this MSDS was obtained from sources, which we believe are reliable. However, the information is provided without any representation or warranty, expressed or implied, regarding accuracy. These conditions or methods of handling, storage use and disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. Customers/users of silica must comply with all applicable health and safety laws, regulations and orders, including the OSHA Hazardous Communication Standard.



For more information call:

**800-BLAST-IT**

Phone: 800-252-7848

Fax: 563-324-6258

e-mail: sales@marcouisa.com

www.marcouisa.com

