



# BLASTOX®

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## Material Safety Data Sheet

### **SECTION I - IDENTITY**

Supplier's Name and Address - The TDJ Group, Inc. 760-A Industrial Drive, Cary, IL 60013

Information Telephone Number - (847) 639-1113 - (847) 639-0499 FAX

Date of Preparation: January 6, 2003

### **SECTION II - Ingredients/Identity Information**

#### **Common Name - Blastox® Abrasive Blasting Additive Ingredients -**

Ingredients		
$\text{Ca}_3\text{SiO}_5$	TriCalcium Silicate	(CAS# 12168-85-3)
$\text{Ca}_2\text{SiO}_4$	DiCalcium Silicate	(CAS# 10034-77-2)
$\text{Ca}_3\text{Al}_2\text{O}_3$	TriCalcium Aluminate	(CAS# 12042-78-3)
$\text{Ca}_4\text{Al}_2\text{Fe}_2\text{O}_{10}$	Calcium Alumino Ferrite	(CAS# 12068-35-8)

Trace amounts of CaO and MgO may also be present.

### **SECTION III - Physical/Chemical Characteristics**

Solubility in water	Slight (.01 - 1.0%)
Specific Gravity	3.15 - 3.22
Appearance & Odor	Dark Gray, no odor

The following properties are not applicable as the Blastox®

### **SECTION IV - Fire and Explosion Hazard Data**

Blastox® is not flammable nor explosive.

## SECTION V - Reactivity Data

Blastox® is stable and hazardous polymerization will not occur. Keep Blastox® dry until used.

## SECTION VI - Health Hazard Data

According to NIOSH Test Method NMAM 7500, Blastox® has no detectable limits of crystalline silica.

### Routes of Entry:

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Inhalation?	Yes
Skin?	No
Ingestion?	Yes

**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:

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 dusts 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.
	Irrigate (flood) eyes immediately and repeatedly with clean water. Wash exposed skin areas with soap and

**Emergency First Aid Procedures:**

water. Apply sterile dressings. Remove from further exposure those individuals who develop signs or symptoms. Consult a physician immediately.

**SECTION VII - Precautions for safe handling and use**

If Blastox® 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® can be treated as a common waste for disposal or returned to the container for later use if it is not contaminated or wet.

**SECTION 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®, workers should wash with soap and water and apply a moisturizing cream.