



Blastox® Safety Data Sheet (SDS)

SECTION 1: PRODUCT AND COMPANY INFORMATION

Manufacturer TDJ Group, Inc., 760-A Industrial Dr., Cary, IL 60013
Telephone 847-639-1113 FAX: (847) 639-0499 WEBSITE: www.blastox.com - EMAIL: tdj@blastox.com
Product Name(s) Blastox®
Recommended Uses / Restrictions Heavy metal stabilizer / Industrial or commercial use only
Emergency Contact / Number Chemtrec: 800-424-9300; TDJ Group: 847-639-1113

SECTION 2: HAZARD IDENTIFICATION

Hazards
 Eye damage/irritation Category 2B – Causes eye irritation
 Skin corrosion/irritation Category 2 – Causes skin irritation
 Specific Target Organ Toxicity (single occurrence) Category 3 – May cause respiratory irritation



Signal Word WARNING

Precautionary Statements: Wash hands and exposed areas thoroughly after handling. Wear protective gloves. Wear eye and face protection. Avoid breathing dust. Use only outdoors or in a well-ventilated area. **If in eyes:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. **If eye irritation persists:** Get medical advice or attention. **If on skin:** Wash with plenty of water. **If skin irritation occurs:** Get medical advice or attention. Take off contaminated clothing and wash before reuse. **If inhaled:** Remove person to fresh air and keep comfortable for breathing. Call a poison center/doctor if you feel unwell. Store in a well-ventilated place. Keep container tightly closed. Dispose of contents or container in accordance with applicable regulations.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

| Component Name | CAS# | Component% |
|----------------------------------|---------------------|-----------------|
| Calcium silicates and aluminates | See note | >80 |
| Magnesium oxide | 1309-48-4 | <5 |
| Non-hazardous ingredients | Proprietary Mixture | Balance to 100% |

Note: Contains CAS 12168-85-3, 10034-77-2, 12042-78-3, and 12068-35-8

SECTION 4: FIRST AID MEASURES

Most Important Symptoms / Effects: Eye contact with powder or solution can cause irritation or mechanical abrasion. Skin irritation can occur from contact with the product. Inhalation may cause coughing or mild irritation.

Skin Contact: Wash exposed areas promptly with water and mild soap. Remove contaminated clothing immediately and launder before reuse. Seek medical advice or attention if irritation occurs.

Eye Contact: Immediately flush eyes with water for at least 15 minutes. Remove contact lenses if easy to do. Seek medical attention if any symptoms persist.

Inhalation: Move to fresh air. Keep at rest and in a position comfortable for breathing. If you feel unwell, seek medical advice.

Ingestion: Do not induce vomiting. Wash out mouth with water. If vomiting occurs naturally, have victim lean forward to reduce the risk of aspiration. Seek immediate medical advice or attention.

Indication of Immediate Medical Attention and Special Treatment, If Necessary: Persistent eye or skin irritation, difficulty in breathing.



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SECTION 5: FIREFIGHTING MEASURES

Suitable and Unsuitable Extinguishing Media: Product does not burn. Use fire-fighting techniques appropriate to the surrounding fire.

Specific Hazards Arising from the Chemical: None known.

Special Protective Equipment and Precautions for Fire-Fighters: Use equipment and procedures appropriate to the surrounding fire.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions: Isolate release area and keep unnecessary or untrained people away. See Section 8 for personal protection gear.

Environmental Precautions: Contain spill if it can be done with minimal risk. Prevent from entering drains, sewers or waterways. Material is not regulated by DOT or EPA.

Methods for Cleaning Up: Avoid actions such as use of compressed air or vigorous dry sweeping that may cause dusting. Place material into container for later use, recycle or disposal.

SECTION 7: HANDLING AND STORAGE

Handling: Plant processes should be designed to minimize or control airborne dusts. All bags and containers should be properly labeled. Keep bags unopened until use. Keep containers tightly sealed when not in use. Use only with adequate ventilation. Wash hands at end of shift or before eating or using restroom. Wear gloves, goggles and appropriate clothing to avoid repeated or prolonged contact. Use good hygiene practices when handling product, including changing and laundering work clothes after use.

Storage: Keep containers in a dry, cool, well-ventilated area. Keep containers tightly closed.

SECTION 8: EXPOSURE CONTROL AND PERSONAL PROTECTION

Exposure Limits

| Component Name | ACGIH TLV-TWA | OSHA PEL-TWA |
|----------------------|----------------------|--|
| Particulate material | 10 mg/m ³ | 15 mg/m ³ |
| Calcium silicate | 10 mg/m ³ | 15 mg/m ³ (total) 5 mg/m ³ (respirable) |
| Magnesium oxide | 10 mg/m ³ | 15 mg/m ³ |

Engineering Controls: Use appropriate ventilation to maintain airborne concentration limits below exposure limits. Have eye wash stations and safety showers readily available.

Eye and Face Protection: Wear safety glasses or goggles to prevent dust from getting in eyes.

Skin Protection: Wear water-proof gloves to prevent contact. Additional body garments should be used based upon the task being performed.

Respiratory Protection: Use a properly fitted NIOSH respirator in areas where the exposure is unknown or above the OSHA PEL or ACGIH TLV.

General Hygiene: Follow accepted work practices for handling an alkaline material. Do not eat, drink or smoke in areas where this chemical is used or stored. Wash thoroughly with soap and water after task or shift, when using the restroom or before eating.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

| | | | |
|-----------------------------------|---------------------|--|----------------|
| Appearance/Physical State | Gray solid (powder) | Flash Point | Not Applicable |
| Specific Gravity (Water=1) | 3.15 | Upper Flammability Limits | Not Applicable |
| Evaporation Point | Not Applicable | Lower Flammability Limits | Not Applicable |
| pH (in water) | ~12 | Auto-ignition Temperature | Not Applicable |
| Solubility in Water | Slight (0.1 – 1%) | Decomposition Temperature | Not Determined |
| Odor | No distinct odor | Vapor Pressure | Not Applicable |
| Odor Threshold | Not Determined | Vapor Density (Air=1) | Not Applicable |
| Melting/Freezing Point | >1000 °C | Partition Coefficient (n-octanol/water) | Not Applicable |
| Boiling Range | Not Applicable | Viscosity (cSt, 40 °C) | Not Applicable |
| Initial Boiling Point | Not Applicable | Critical Temperature | Not Determined |

Note: Physical and chemical properties are provided for safety, health and environmental considerations and do not fully represent product specifications. Those should be requested separately.



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SECTION 10: STABILITY AND REACTIVITY

Reactivity: None

Chemical Stability: Stable when properly stored dry. Contact with water can produce calcium hydroxide.

Possibility of Hazardous Reactions: Will not occur under recommended conditions

Conditions to Avoid: Keep dry.

Incompatible Materials: Acids, ammonia salts or aluminum

Hazardous Decomposition Products: None

SECTION 11: TOXICOLOGICAL INFORMATION

Acute Effects: Aqueous solution can cause serious eye damage due to high alkalinity. Aqueous solution can cause severe skin irritation or burns due to high pH in water. Ingestion may cause burns or irritation to the linings of the mouth, throat, and gastrointestinal tract. Inhalation may be irritating or corrosive to the respiratory tract due to product's alkaline nature.

Target Organ Effects: Lungs and respiratory system: short-term or immediate effects of dust inhalation are expected to be coughing and mild respiratory irritation.

Pre-existing Conditions Aggravated by Exposure: Respiratory or skin disorders

Chronic Effects: Acute symptoms may be aggravated

Carcinogenicity: Contains no components known by IARC, NTP or OSHA to be carcinogenic. Blastox has been analyzed and does not contain detectable amounts (<0.2%) of crystalline quartz which is known to be carcinogenic.

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity: Not Determined

Mobility: Not Determined

Degradability: Not Determined

Bioaccumulation: Not Determined

SECTION 13: DISPOSAL CONSIDERATION

Product is not regulated by EPA or DOT. Dispose in compliance with all applicable federal, state and local regulations.

SECTION 14: TRANSPORT INFORMATION

Proper Shipping Name: Not Regulated

SECTION 15: REGULATORY INFORMATION

TSCA Status: All components are listed in the TSCA inventory

SARA 311/312 Reporting Categories: Acute hazard

SARA 313 Reportable Ingredients: No ingredients listed

SECTION 16: OTHER INFORMATION

Department Issuing SDS Health and Safety

Disclaimer

While the information provided in this safety data sheet is believed to provide a useful summary of the hazards of Blastox as it is commonly used, the sheet cannot, and does not, anticipate and provide all of the information that might be needed in every situation. In particular, the data furnished in this sheet does not address hazards that may be posed by other materials mixed with Blastox products. Users therefore, should review other applicable safety data sheets before working with Blastox.

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SDS Blastox 10.15