



# Material Safety Data Sheet

## TJ MICROMIX

### Dry Granule

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#### Section 1. Chemical and Company Identification.

Product Name: TJ Micromix

Formula: Mixture of Borates, Oxides, and Sulfates of Copper, Magnesium, Manganese, Zinc, Iron, and Calcium

Product Code: TJMX

Company Name: TJ Technologies, Inc.

805 32<sup>nd</sup> Ave  
Brookings, SD 57006  
605-697-6665 (Tel.)

Ingredient Name	CAS Number	% Wt
Oxides & Sulfates of Manganese	7439-96-5	1.5
Oxides & Sulfates of Copper	7440-50-8	0.8
Oxides & Sulfates of Iron	1309-37-1	1.8
Oxides & Sulfates of Magnesium	1309-48-4	0.8
Oxides & Sulfates of Zinc	1314-13-2	5.5

Ingredient	OSHA PEL		ACGIH TLV		NIOSH REL	
	TWA	STEL	TWA	STEL	TWA	STEL
Mn Compounds	5.0 mg/m <sup>3</sup>		5.0 mg/m <sup>3</sup>			
Cu Compounds	1.0 mg/m <sup>3</sup>		1.0 mg/m <sup>3</sup>			
Fe Compounds	1.0 mg/m <sup>3</sup>		1.0 mg/m <sup>3</sup>			
Mg Compounds	5.0 mg/m <sup>3</sup>		10.0 mg/m <sup>3</sup>			
Zn Compounds	5.0 mg/m <sup>3</sup>		10.0 mg/m <sup>3</sup>			

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#### Section 2. Hazards Identification

**EMERGENCY OVERVIEW:** TJ Micromix is a stable solid. It is gray to black in appearance with no appreciable odor. The product may cause irritation to the skin after prolonged contact. The product should be stored and handled to prevent the possibility of inhalation, eye contact, and prolonged skin contact.

#### POTENTIAL HEALTH EFFECTS:

Primary Entry Routes: Inhalation is the most significant route of exposure in occupational and other settings. Prolonged dermal exposure may cause irritation to the skin. Ingestion may cause upset stomach.

Target organs: Eyes, Skin, Respiratory system

Acute Effects:

Inhalation: Occasional mild irritation effects to the nose and throat may occur.

Eye: Irritation may occur

Skin: Irritation may occur

Ingestion: Stomach upset may occur

Carcinogenicity: IARC, NTP, and OSHA does not list this mix or any of its components as a carcinogen.

Chronic Effects: Same as acute.

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Section 3. Physical Data

Boiling Point (deg F): NA  
Specific Gravity (H2O=1): NA  
Vapor Pressure (mm Hg): NA  
Viscosity: NA  
Physical State: Solid  
Color: Gray to Black  
Odor: dusty or musty odor.

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Section 4. Fire and Explosion Hazard Data

Flash Point: NA  
Flammable Limits: NA  
Extinguishing Media: H2O  
Specific Fire Fighting Procedures: None  
Unusual Fire and Explosion Hazards: None

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Section 5. First Aid Measures

Inhalation: Remove to fresh Environment. Seek medical attention  
Eye: Wash with running water for at least 15 minutes. Seek Medical attention.  
Skin: Wash with water. If irritation persists seek medical attention  
Ingestion: induce vomiting and seek medical attention  
Emergency First Aid Procedures: Rinse with Water.

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Section 6. Reactivity Data

Stability: Stable  
Incompatibility: NA  
Hazardous Decomposition Products: NA  
Hazardous Polymerization: Will not occur

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Section 7. Spill or Leak Procedures

Steps to be taken in case material is released or spilled: Follow applicable federal, state, and local regulations.

Section 8. Special Protection Information

Respiratory Protection: Mist/Dust Mask  
Ventilation: Local Exhaust  
Special: NA  
Protective Gloves: Latex or plastic  
Eye Protection: Goggles  
Other Protective Equipment: NA

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Section 9. Special Precautions

Precautions to be taken in handling and storage. Use a respirator/mask when transferring material.

**AVIOD INHALATION AND CONTACT WITH EYES**

Other precautions – None

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Section 10. Transportation Information

Product should be properly labeled for transport. The transport of this product is not regulated by the Dept. of Transportation (DOT) as it is not a Hazardous Material