



Material Safety Data Sheet

TJ MICROPEL

Dry Granule

Section 1. Chemical and Company Identification.

Product Name: TJ Micropel

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

Product Code: TJ103

Company Name: TJ Technologies, Inc.

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

Ingredient Name	CAS Number	% Wt
Ammonium Sulfate	7783-20-2	5
Zinc Compounds	744-66-0	5
Manganese Compounds	7439-96-5	2
Copper Compounds	7440-50-0	2
Boron Compounds	1319-33-1	.01
Sulfur Compounds		4

Section 2. Hazards Identification

EMERGENCY OVERVIEW: TJ Micropel 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.

Section 3. Physical Data

Boiling Point (deg F): NA

Bulk Density: 80lbs/ft³; 1,030kg/m³

Specific Gravity (H₂O=1): NA

Vapor Pressure (mm Hg): NA

Viscosity: NA
Physical State: Solid
Color: Gray to Black
Odor: dusty or musty odor.

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

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.

Section 6. Reactivity Data

Stability: Stable
Incompatibility: Strong oxidizing agents; Chlorinated rubber above 200 degrees C.
Hazardous Decomposition Products: Sulfur Oxides
Hazardous Polymerization: Will not occur

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

Section 9. Special Precautions

Precautions to be taken in handling and storage

AVIOD INHALATION AND CONTACT WITH EYES

Other precautions – None

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