

Safety Data Sheet

Issue Date: 02/JAN/2019 Revision Date: 01-Jan-2024 Version 1

1. IDENTIFICATION

Product Identifier

Product Name MICCRO SUPER XP-2000® REDUCER

Other means of identification

SDS# TD-009-OSHA

UN/ID No UN1263

Recommended use of the chemical and restrictions on use

Recommended Use Plating.

Details of the supplier of the safety data sheet

Supplier Address Tolber Chemical Division 220 West 5th Street Hope, AR 71801

Emergency Telephone Number

870-777-3251 **Company Phone Number**

Emergency Telephone (24 hr) INFOTRAC 1-352-323-3500 (International)

1-800-535-5053 (North America)

2. HAZARDS IDENTIFICATION

Physical State Liquid Appearance liquid

Classification

Acute toxicity - Oral	Category 4
Acute toxicity - Inhalation (Vapors)	Category 4
Skin corrosion/irritation	Category 2
Reproductive toxicity	Category 2
Specific target organ toxicity (single exposure)	Category 3
Specific target organ toxicity (repeated exposure)	Category 2
Aspiration toxicity	Category 1
Flammable Liquids	Category 2

Signal Word

Danger

Hazard Statements

Harmful if swallowed

Harmful if inhaled

Causes skin irritation

Suspected of damaging fertility or the unborn child

May cause respiratory irritation. May cause drowsiness or dizziness

May cause damage to organs through prolonged or repeated exposure

May be fatal if swallowed and enters airways

Highly flammable liquid and vapor







Precautionary Statements - Prevention

Obtain special instructions before use

Do not handle until all safety precautions have been read and understood

Use personal protective equipment as required

Wash face, hands and any exposed skin thoroughly after handling

Do not eat, drink or smoke when using this product

Use only outdoors or in a well-ventilated area

Do not breathe dust/fume/gas/mist/vapors/spray

Keep away from heat/sparks/open flames/hot surfaces. — No smoking

Keep container tightly closed

Ground/bond container and receiving equipment

Use explosion-proof equipment

Use only non-sparking tools

Take precautionary measures against static discharge

Keep cool

Precautionary Statements - Response

If exposed or concerned: Get medical advice/attention

IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower

Wash contaminated clothing before reuse

If skin irritation occurs: Get medical advice/attention

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing

IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician

Do not induce vomiting

Rinse mouth

IN CASE OF FIRE: Use CO2, dry chemical, or foam for extinction

Precautionary Statements - Storage

Store locked up

Store in a well-ventilated place. Keep container tightly closed

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

Other Hazards

Toxic to aquatic life with long lasting effects

Unknown Acute Toxicity

5% of the mixture consists of ingredient(s) of unknown toxicity

3. COMPOSITION/INFORMATION ON INGREDIENTS Chemical Name CAS No Weight-% Toluene 108-88-3 90-99

If Chemical Name/CAS No is "proprietary" and/or Weight-% is listed as a range, the specific chemical identity and/or percentage of composition has been withheld as a trade secret.

4. FIRST-AID MEASURES

First Aid Measures

General Advice If exposed or concerned: Get medical advice/attention.

Eye Contact 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/attention.

Skin Contact Wash off immediately with soap and plenty of water while removing all contaminated

clothes and shoes. If skin irritation occurs: Get medical advice/ attention.

Inhalation IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for

breathing. Call a poison center or doctor/physician if you feel unwell.

Ingestion IF SWALLOWED: call a poison control center or physician immediately. Rinse mouth. Do

not induce vomiting.

Most important symptoms and effects

Symptoms May be harmful or fatal if swallowed and enters airways. Ingestion may cause irritation,

nausea, vomiting. Causes skin irritation. Harmful if inhaled. May cause drowsiness or dizziness. May cause damage to organs through prolonged or repeated exposure. Suspected of damaging fertility or the unborn child. Direct contact with eyes will cause

irritation.

Indication of any immediate medical attention and special treatment needed

Notes to Physician Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

Dry chemical. Carbon dioxide (CO2). Foam.

Unsuitable Extinguishing Media Not determined.

Specific Hazards Arising from the Chemical

Highly flammable liquid and vapor.

Hazardous Combustion Products Carbon oxides.

Sensitivity to Static Discharge Take precautionary measures against static discharge.

Protective equipment and precautions for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal Precautions Use personal protection recommended in Section 8. Remove all sources ofignition.

Environmental Precautions See Section 12 for additional Ecological Information. See Section 13: DISPOSAL

CONSIDERATIONS.

Methods and material for containment and cleaning up

Methods for Containment Prevent further leakage or spillage if safe to do so.

Methods for Clean-Up

Absorb spillage with non-combustible, absorbent material. Dispose of all contaminated

trash in accordance with local regulations.

7. HANDLING AND STORAGE

Precautions for safe handling

Advice on Safe Handling Obtain special instructions before use. Do not handle until all safety precautions have been

read and understood. Use personal protection recommended in Section 8. Keep away from heat/sparks/open flames/hot surfaces. — No smoking. Do not eat, drink or smoke when using this product. Use only outdoors or in a well-ventilated area. Avoid breathing dust/fume/gas/mist/vapors/spray. Wash contaminated clothing before reuse. Ground/bond container and receiving equipment. Use non-sparking hand tools and explosion-proof electrical equipment. Take precautionary measures against static discharges. Wash face,

hands, and any exposed skin thoroughly after handling.

Conditions for safe storage, including any incompatibilities

Storage Conditions Store in a cool, well-ventilated area, away from ignition sources and incompatible materials.

Keep container tightly closed. Store locked up.

Incompatible Materials Strong oxidizing agents.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Toluene	TWA: 20 ppm	TWA: 200 ppm	IDLH: 500 ppm
108-88-3		(vacated) TWA: 100 ppm	TWA: 100 ppm
		(vacated) TWA: 375 mg/m ³	TWA: 375 mg/m ³
		(vacated) STEL: 150 ppm	STEL: 150 ppm
		(vacated) STEL: 560 mg/m ³	STEL: 560 mg/m ³
		Ceiling: 300 ppm	-

Appropriate engineering controls

Engineering Controls Apply technical measures to comply with the occupational exposure limits.

Individual protection measures, such as personal protective equipment

Eye/Face Protection Splash proof chemical safety goggles.

Skin and Body Protection Chemical resistant, impermeable gloves. Suitable protective clothing. Long sleeve shirt and

long pants. Protective shoes or boots.

Respiratory Protection

In case of inadequate ventilation wear respiratory protection.

General Hygiene Considerations Do not eat, drink or smoke when using this product. Wash face, hands and any exposed skin thoroughly after handling. Wash contaminated clothing before reuse.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical State Liquid Appearance liquid

Color Not determined

Odor Odor Threshold

Remarks • Method

Not determined Not determined

<u>Property</u> <u>Values</u>

PHNot applicableMelting Point/Freezing PointNot determinedBoiling Point/Boiling Range111 °C / 232 °FFlash Point7 °C / 45 °F

Evaporation Rate Not determined Flammability (Solid, Gas) Liquid-Not applicable **Upper Flammability Limits** Not determined **Lower Flammability Limit** Not determined **Vapor Pressure** Not determined Vapor Density Not determined **Specific Gravity** Not determined Water Solubility Not determined

Solubility in other solvents Not determined **Partition Coefficient** Not determined **Auto-ignition Temperature** Not determined **Decomposition Temperature** Not determined **Kinematic Viscosity** Not determined **Dynamic Viscosity** Not determined **Explosive Properties** Not determined Not **Oxidizing Properties** determined

VOC 7.2 lbs/gal

10. STABILITY AND REACTIVITY

Reactivity

Not reactive under normal conditions.

Chemical Stability

Stable under recommended storage conditions.

Possibility of Hazardous Reactions

None under normal processing.

Conditions to Avoid

Avoid contact. Keep away from heat, sparks and open flame.

Incompatible Materials

Strong oxidizing agents.

Hazardous Decomposition Products

Thermal decomposition may produce oxides of carbon.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information

Eye Contact Avoid contact with eyes.

Skin Contact Causes skin irritation.

Inhalation Harmful if inhaled.

Ingestion Harmful if swallowed.

Component Information

Chemical Name Oral LD50		Dermal LD50	Inhalation LC50
Toluene	= 636 mg/kg (Rat)	= 8390 mg/kg (Rabbit) = 12124	= 12.5 mg/L (Rat) 4 h > 26700
108-88-3		mg/kg (Rat)	ppm (Rat)1h

Information on physical, chemical and toxicological effects

Symptoms Please see section 4 of this SDS for symptoms.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Carcinogenicity The table below indicates whether each agency has listed any ingredient as a carcinogen.

However, the product as a whole has not been tested. Group 3 IARC components are "not

classifiable as human carcinogens".

Chemical Name	ACGIH	IARC	NTP	OSHA
Toluene		Group 3		
108-88-3				

IARC (International Agency for Research on Cancer)

Group 3 IARC components are "not classifiable as human carcinogens"

Reproductive toxicity Suspected of damaging fertility or the unborn child.

STOT - single exposure May cause respiratory irritation. May cause drowsiness or dizziness.

STOT - repeated exposure May cause damage to organs through prolonged or repeated exposure.

Aspiration hazard May be fatal if swallowed and enters airways.

Numerical measures of toxicity

Not determined

Unknown Acute Toxicity 5% of the mixture consists of ingredient(s) of unknowntoxicity.

12. ECOLOGICAL INFORMATION

Ecotoxicity

Toxic to aquatic life with long lasting effects.

Component Information

Chemical Name	Algae/aquatic plants	Fish	Toxicity to	Crustacea
			microorganisms	

Toluene	433: 96 h	15.22 - 19.05: 96 h	EC50 = 19.7 mg/L 30 min	5.46 - 9.83: 48 h Daphnia
			2000 = 10.7 mg/2 00 mm	
108-88-3	Pseudokirchneriella	Pimephales promelas mg/L		magna mg/L EC50 Static
	subcapitata mg/L EC50 12.5:	LC50 flow-through 12.6: 96 h		11.5: 48 h Daphnia magna
	72 h Pseudokirchneriella	Pimephales promelas mg/L		mg/L EC50
	subcapitata mg/L EC50	LC50 static 5.89 - 7.81: 96 h		
	static	Oncorhynchus mykiss mg/L		
		LC50 flow-through 14.1 -		
		17.16: 96 h Oncorhynchus		
		mykiss mg/L LC50 static 5.8:		
		96 h Oncorhynchus mykiss		
		mg/L LC50 semi-static 11.0 -		
		15.0: 96 h Lepomis		
		macrochirus mg/L LC50		
		static 54: 96 h Oryzias		
		latipes mg/L LC50 static		
		28.2: 96 h Poecilia reticulata		
		mg/L LC50 semi-static 50.87		
		- 70.34: 96 h Poecilia		
		reticulata mg/L LC50 static		

Persistence/Degradability

Not determined.

Bioaccumulation

Not determined.

Mobility

Chemical Name	Partition Coefficient
Toluene	2.65
108-88-3	

Other Adverse Effects

Not determined

13. DISPOSAL CONSIDERATIONS

Waste Treatment Methods

Disposal of Wastes Disposal should be in accordance with applicable regional, national and locallaws and

regulations.

Contaminated Packaging Disposal should be in accordance with applicable regional, national and locallaws and

regulations.

US EPA Waste Number

Chemical Name	RCRA	RCRA - Basis for Listing	RCRA - D Series Wastes	RCRA - U Series Wastes
Toluene	U220	Included in waste streams:		U220
108-88-3		F005, F024, F025, F039,		
		K015, K036, K037, K149,		
		K151		

Chemical Name	RCRA - Halogenated	RCRA - P Series Wastes	RCRA - F Series Wastes	RCRA - K Series Wastes
	Organic Compounds			

Toluene		Toxic waste	
108-88-3		waste number F025	
		Waste description:	
		Condensed light ends, spent	
		filters and filter aids, and	
		spent desiccant wastes from	
		the production of certain	
		chlorinated aliphatic	
		hydrocarbons, by free radical	
		catalyzed processes. These	
		chlorinated aliphatic	
		hydrocarbons are those	
		having carbon chain lengths	
		ranging from one to and	
		including five, with varying	
		amounts and positions of	
		chlorine substitution.	

California Hazardous Waste Status

Chemical Name	California Hazardous Waste Status
Toluene	Toxic
108-88-3	Ignitable

14. TRANSPORT INFORMATION

Note Please see current shipping paper for most up to date shipping information, including

exemptions and special circumstances.

DOT

UN/ID No UN1263

Proper Shipping Name Paint related material

Hazard Class 3
Packing Group II

<u>IATA</u>

UN/ID No UN1263

Proper Shipping Name Paint related material

Hazard Class 3
Packing Group II

IMDG

UN/ID No UN1263

Proper Shipping Name Paint related material

Hazard Class 3
Packing Group ||

Marine Pollutant This material may meet the definition of a marine pollutant

15. REGULATORY INFORMATION

International Inventories

Not determined

US Federal Regulations

CERCLA

	Chemical Name	Hazardous Substances RQs	CERCLA/SARA RQ	Reportable Quantity (RQ)
Г	Toluene	1000 lb 1 lb		RQ 1000 lb final RQ
	108-88-3			RQ 454 kg final RQ RQ 1 lb final
				RQ
				RQ 0.454 kg final RQ

SARA 313

Chemical Name	CAS No	Weight-%	SARA 313 - Threshold Values %
Toluene - 108-88-3	108-88-3	90-99	1.0

CWA (Clean Water Act)

Component	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances
Toluene 108-88-3 (90-99)	1000 lb	X	X	Х

US State Regulations

California Proposition 65

This product contains the following Proposition 65 chemicals.

Chemical Name	California Proposition 65	
Toluene - 108-88-3	Developmental	
	Female Reproductive	

U.S. State Right-to-Know Regulations

Chemical Name	New Jersey	Massachusetts	Pennsylvania
Toluene	X	X	X
108-88-3			

16. OTHER INFORMATION

<u>NFPA</u>	Health Hazards	Flammability	Instability	Special Hazards
	Not determined	Not determined	Not determined	Not determined
<u>HMIS</u>	Health Hazards	Flammability	Physical Hazards	Personal Protection
	Not determined	Not determined	Not determined	Not determined

Issue Date:01/JAN/2019Revision Date:01-Jan-2024Revision Note:New format

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet