

SAFETY DATA SHEET

This safety data sheet complies with OSHA's Hazard Communication
Standard 29 CFR 1910.1200

SECTION 1: Identification

Manufacturer's Name:	MICROCOPY
Contact Address:	3120 Moon Station Road NW Kennesaw, GA 30144-2765
Emergency Phone Number:	770-425-5715
Product Name:	INSTA-FIX Fixer
Product Use Description:	X-ray Fixing Solution

SECTION 2: Hazard(s) Identification

Health Hazard Data

Effects of Overexposure:	
Inhalation:	None documented but concentrated mist may irritate or damage respiratory tract and lungs.
Eye Contact:	May cause transient irritation or damage to tissue.
Skin Contact:	Irritation such as reddening, swelling and burning may occur. Allergic skin reaction such as dermatitis is possible.
Ingestion:	May cause irritation or corrosion of the digestive tract.
Chronic Effects:	None identified.
Medical Conditions Generally Aggravated by Exposure:	Present skin conditions.
Carcinogenicity:	None identified.
Reproductive Effects:	None identified.

SECTION 3: Composition/Information on Ingredients

Components-Chemical Name & Common Name	CAS Number	Range % (wt)	OSHA PEL mg/m ³	ACGIH TLV mg/m ³
*Sodium Sulfite	7757-83-7	1-5	N/A	N/A
*Ammonium Thiosulfate	7783-18-8	25-30	N/A	N/A
Sodium Metabisulfite	7681-57-4	1-5	5	5
Borax	1303-96-4	1-5	N/A	1
*Acetic Acid (Glacial)	64-19-7	1-5	25	25
*Aluminum Sulfate	10043-01-3	<1	N/A	2
Citric Acid	77-92-9	<1	N/A	N/A
Water	7732-18-5	65-70	N/A	N/A

*Principle Hazardous Components
NFPA Ratings Scale (0-4): Health=1, Fire=0, Reactivity=0

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SECTION 4: First-Aid Measures

Emergency First Aid Procedures:

Eye Contact:	Flush with water for 15 minutes, including under lids. Contact a physician immediately.
Skin Contact:	In case of contact, flush skin with water and wash with soap and water to minimize any allergic skin reaction.
Inhalation:	If inhaled, move to fresh air. If symptoms persists, call a physician.
Ingestion:	If swallowed, administer 2 to 4 glasses of milk or water and induce vomiting. Contact a physician.

SECTION 5: Fire-Fighting Measures

Fire and Explosion Hazard Data

Flash Point (Method Used):	>200oF (TCC) Noncombustible
Auto-Ignition Temperature:	N/A
Extinguisher Media:	Use appropriate agent for surrounding fire.
Flammable Limits (lower/upper):	N/A
Special Fire Fighting Procedures:	Wear self-contained breathing apparatus or protective clothing.
Unusual Fire and Explosion Hazards:	Excessive heat may cause production of sulfur dioxide vapors.

SECTION 6: Accidental Release Measures

Use/Leak Procedures

Steps to Be Taken if Material Is
Spilled or Released:

In case of spill, flush away with large amounts of water or
use a commercially available Chemical Spill Kit.

SECTION 7: Handling and Storage

Precautions For Safe Handling

Precautions To Be Taken In Handling
And Storage:

Store in sealed containers in a dry, well-ventilated area.
Protect containers against physical damage.

Other Precautions:

Do not store food, drink, or tobacco in areas with this
products.

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SECTION 8: Exposure Controls / Personal Protection

Control and Protective Measures

Respiratory Protection:	None required where adequate ventilation conditions exist. If airborne concentration is higher, use an appropriate NIOSH cartridge respirator.
Protective Equipment:	Safety chemical goggles, gloves (latex, neoprene), eye wash stations, and uniforms are recommended.
Hygienic Work Practices:	Wash with plenty of soap and water after contact.

SECTION 9: Physical and Chemical Properties

Boiling Point:	220°F	pH @ 20°C: 4.7
Vapor Pressure (mmHg) 20°C:	16	Solubility in Water: Complete
Vapor Density (Air=1):	<1	
Specific Gravity (H ₂ O=1):	1.1320	
Evaporation Rate:	<1	
(n-butyl acetate=1)		
Appearance and Odor:	Clear solution with slight vinegar solution.	

SECTION 10: Stability and Reactivity

Stability:	Stable
Conditions to Avoid:	None documented to occur under normal temperatures and pressures.
Incompatibility:	Strong oxidizers; strong alkalis.
Hazardous Decomposition Products:	Ammonia and sulfur Dioxide
Hazardous Polymerization:	Will not occur.

SECTION 11: Toxicology Information

No toxicology information available.

SECTION 12: Ecological Information

No ecological information available.

SECTION 13: Disposal Considerations

Waste Disposal Method:	Add water to dilute, and flush to the sewer. Large amounts may require neutralization. Follow federal, state, and local regulations.
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SECTION 14: Transport Information

DOT Hazardous Classification: N/A

SECTION 15: Regulatory Information

No regulatory information available.

SECTION 16: Other Information

Date Prepared: June 20, 2014

Prepared By: Tiffany Carter