

**MATERIAL SAFETY DATA SHEET**

This MSDS complies with OSHA's Hazard Communication

Standard 29 CFR 1910.1200 and OSHA FORM 174

**Manufacturer's Name:** MICROCOPY-Division of Neo-Flo, Inc.  
**Contact Address:** 3120 Moon Station Road NW  
 Kennesaw, Georgia 30144-2765  
**Emergency Phone Number:** (770) 425-5715  
**DOT Hazard Classification:** N/A  
**Trade Name & Synonyms:** **INSTA-FIX Fixer**  
**Formula:** Mixture  
**Date Prepared:** 2/13/2008  
**Prepared By:** Gordon LaPean

**Section 1 - Material Identification and Information**

Components-Chemical Name & Common Name	CAS Number	Range % (wt)	OSHA PEL mg/m <sup>3</sup>	ACGI H TLV mg/m <sup>3</sup>
*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

**\*Principal Hazardous Component(s)**

NFPA Ratings Scale (0-4): Health=1, Fire=0, Reactivity=0

**Section 2 - Physical/Chemical Characteristics**

**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<sub>2</sub>O=1):** 1.1320  
**Evaporation Rate:** <1  
 (n-butyl acetate=1)  
**Appearance and Odor:** Clear solution with slight vinegar aroma.

**Section 3 - Fire and Explosion Hazard Data**

**Flash Point (Method Used):** >200°F (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 4 - Reactivity Hazard Data**

**Stability:** Stable  
**Conditions to Avoid:** None documented to occur under normal temperature and pressures.  
**Incompatibility:** Strong oxidizers; strong alkalis.

**Hazardous Decomposition Products:** Ammonia and sulfur dioxide.  
**Hazardous Polymerization:** Will not occur

### **Section 5 - Health Hazard Data**

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#### **Effects of Overexposure:**

**Inhalation:** None documented but concentrated mist may irritate respiratory tract.

**Eye Contact:** May cause transient irritation or damage to tissue.

**Skin Contact:** Irritation such as reddening, swelling and burning may occur. Allergic reactions such as dermatitis is possible.

**Ingestion:** May cause irritation or corrosion of digestive tract.

**Chronic Effects:** None identified.

**Medical Conditions Generally Aggravated by Exposure:** Present skin conditions.

**Carcinogenicity:** None identified.

**Reproductive Effects:** None identified.

#### **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 6 - Control and Protective Measures**

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**Respiratory Protection:** None required where adequate ventilation conditions exist. If airborne concentration is higher, use an appropriate NIOSH organic acid vapor respirator.

**Protective Equipment:** Safety chemical goggles, gloves (latex, neoprene), and eye wash stations, and uniforms are recommended.

**Hygienic Work Practices:** Wash with plenty of soap and water after contact.

### **Section 7 - Precautions For Safe Handling And Use/Leak Procedures**

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**Precautions To Be Taken In Handling And Storage:** Store in sealed containers in a dry, well ventilated area. Protect from physical damage.

**Steps to Be Taken if Material Is Spilled or Released:** In case of spill, soak up with absorbent or use a commercially available Chemical Spill Kit.

**Waste Disposal Method:** Add large amounts of water to dilute, and flush to the sewer. Follow federal, state, and local regulations.

**Other Precautions:** Do not store food, drink, or tobacco in areas with this product.