

**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-NEG Developer**  
**Formula:** Aqueous 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>
Water	7732-18-5	80-85	N/A	N/A
*Sodium Sulfite	7757-83-7	5-10	N/A	N/A
*Hydroquinone**	123-31-9	1-5	2	2
*Potassium Hydroxide	1310-58-3	1-5	2	2
p-Methylaminophenol sulfate	55-55-0	<1	N/A	N/A

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

\*\* Chemical subject to the reporting requirements of Section 313 of Title III of the Superfund  
Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

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

**Section 2 - Physical/Chemical Characteristics**

**Boiling Point:** 214°F pH @ 20°C: 12.7  
**Vapor Pressure (mmHg) 20°C:** 17  
**Vapor Density (Air=1):** <1  
**Specific Gravity (H<sub>2</sub>O=1):** 1.1420  
**Evaporation Rate:** <1  
 (n-butyl acetate=1)  
**Appearance and Odor:** Clear, slightly yellow liquid; odorless.

**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 acids and oxidizers  
**Hazardous Decomposition Products:** Sulfur Dioxide  
**Hazardous Polymerization:** Will not occur

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

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### **Effects of Overexposure:**

<b>Inhalation:</b>	None documented but concentrated mist may irritate or damage respiratory tract and lungs.
<b>Eye Contact:</b>	Will cause irritation or burning. None documented but may cause barotitis and discoloration of the conjunctiva.
<b>Skin Contact:</b>	Irritation such as reddening, swelling and burning may occur. Allergic skin reaction such as dermatitis is possible.
<b>Ingestion:</b>	May cause nausea, vomiting, irritation and burns to the mouth and stomach. May effect Central Nervous System in large doses.
<b>Chronic Effects:</b>	None identified.
<b>Medical Conditions Generally Aggravated by Exposure:</b>	Present skin conditions.
<b>Carcinogenicity:</b>	None identified.
<b>Reproductive Effects:</b>	None identified.

### **Emergency First Aid Procedures:**

<b>Eye Contact:</b>	Flush with water for 15 minutes, including under lids. Call a physician.
<b>Skin Contact:</b>	In case of contact, flush skin with water and use non-alkaline cleaner to minimize any allergic skin reaction.
<b>Inhalation:</b>	If inhaled, move to fresh air. If symptoms persists, call a physician.
<b>Ingestion:</b>	Call a physician. If swallowed and if the person is conscious, immediately give large amounts of water and induce vomiting.

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

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

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

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<b>Precautions To Be Taken In Handling And Storage:</b>	Store in sealed containers in a dry, well ventilated area away from acids. Protect containers against physical damage.
<b>Steps to Be Taken if Material Is Spilled or Released:</b>	In case of spill, flush away with large amounts of water or use a commercially available Chemical Spill Kit.
<b>Waste Disposal Method:</b>	Add water to dilute, and flush to the sewer. Large amounts may require neutralization. Follow federal, state, and local regulations.
<b>Other Precautions:</b>	Do not store food, drink, or tobacco in areas with this product.