SAFETY DATA SHEETS

This SDS packet was issued with item:

075365705

The safety data sheets (SDS) in this packet apply to the individual products listed below. Please refer to invoice for specific item number(s).

075365713

MATERIAL SAFETY DATA SHEET **White Mountain Imaging MSDS #601**
NU SOURCE International Inc., Crystal Lake, IL 60012
(815) 477-9844

Hazard Rating Guide
Health = Slight
Fire = None
Reactivity = None
The use of Goggles and Gloves recommended

Section I: General Information

Product Name: **INSTADENT™ DEVELOPER & FIXER**
Formula: Aqueous Mixture Chemical Family: Photographic solution
Emergency Situation Call: Chemtrec (800) 424-9300 Date Prepared: 3/1/2013

Section II: Product and Hazardous Ingredients Information

A. Principal Components:	CAS #	Percent	ACGIH TLV	OSHA PEL	S.A.R.A. TPQ	S.A.R.A. RQ	Teterogenicity LD50	Teterogenicity LC50
Developer								
Water	7732-18-5	Approx 85	n/a (Not Applicable)	n/a	n/a	n/a	unk	unk
Potassium Sulfite	10117-38-1	<4	n/a	n/a	n/a	n/a	unk	unk
Sodium Sulfite	7757-83-7	<3	n/a	n/a	n/a	n/a	unk	unk
Hydroquinone	123-31-9	<3	2mg/m3	2mg/m3	500 Lbs	1 lb.	400mg/Kg	unk
Hydroquinone	1310-58-3	<2	2mg/m3	2mg/m3	n/a	1000 lb.	365mg/Kg	unk
Sodium /Potassium Metaborate	- - -	<2	n/a	n/a	n/a	n/a	unk	unk
Fixer								
Water	7732-18-5	Approx. 50	n/a	n/a	n/a	n/a	unk	unk
Ammonium Thiosulfate	7783-18-8	<15	n/a	n/a	n/a	5000 LB	unk	unk
Acetic Acid	64-19-7	<4	10ppm	10ppm	n/a	5000 LB	unk	unk
Sodium Sulfite	7757-83-7	<2	n/a	n/a	n/a	n/a	unk	unk
Sodium Thiosulfate	7772-98-7	<2	n/a	n/a	n/a	n/a	unk	unk

Section III: Hazards Identification

Appearance and Odor: Developer: Pale yellow, odorless liquid.
Fixer: Clear white liquid, slight floral fragrance.
Effects of over exposure:
Eyes - May cause burning or irritation of eyes and mucous membranes.
Skin: May cause mild irritation and/or allergic reaction.
Ingestion - Seek immediate medical advice giving full details of amount swallowed and toxicity.
Inhalation: Prolonged inhalation of fumes may be irritating and may cause headaches.

Section IV: First Aid Measures

Eyes: Wash eyes immediately if contact occurs. Flush eyes with steady stream of fresh water for 15 minutes, lifting upper and lower eyelids frequently. Seek medical attention if symptoms develop.
Inhalation: Remove to fresh air. If breathing is difficult, give oxygen and call a physician.
Skin: Rinse with plenty of water and Wash thoroughly after contact with warm soap and water. Remove contaminated clothing and shower if appropriate. If irritation persists, seek medical attention.
Ingestion: Do not induce vomiting. Seek medical attention immediately.

Section V: Fire Fighting Measures

Flammability: Low Hazard. Not controlled within WHIMIS Division Class B. Not flammable at ambient temperature.
Flash Point: None. **Flammability Methods:** Not applicable.
Auto Ignition: Not applicable
Extinguishing Media: COx. Foam, Dry chimical. Keep containers cool with water spray.

Section VI: Accidental Release Measures:

Spill Response: Small spill: Wear protective clothing as specified in section VIII. Neutralize with Sodium Sulfite. Wipe or absorb with sand, clay or other absorbent materials.

Section VII: Handling and Storage:

Do not consume food, drink or tobacco in area where contact with product may occur.
Provide general exhaust in the storage area.
Keep container tightly sealed. Avoid incompatible substances.
Avoid unnecessary personal contact.
Wash thoroughly after handling.

Section VIII: Exposure Control Measures:

Respiratory: None should be needed.
Ventilation: Good general ventilation.
Eye Protection: Safety Glasses or Goggles recommended for handling chemicals in industrial application.
Skin Protection: Chemical resistant Gloves should be worn.
Other Protective Equipment: As necessary to prevent eye and skin contact.

Section IX: Physical and Chemical Properties:

Specific Gravity (Water=1): Developer: 1.100. Fixer: 1.110
pH: Developer: 12.25. Fixer: 5.10
Boiling Point: >212°F (>100°C). **Freeze Point**: <30°F (0°C)
Odor Threshold: n/a
Vapor Density: (Air=1): .6mm Hg
Vapor Pressure: <17 mm Hg @ 20°C
Water Solubility: Complete
Coefficient of Water/Oil: n/a
Percent Volatile: by Volume: 90-95%
Evaporation Rate: (Water=1): n/a

Section X: Stability and Reactivity Data:

Stability: Stable
Incompatibility: None with the materials and products which product is designed for use with. Mixing developer with fixer will cause ammonia gas. This will dissipate quickly as pH is neutralized.
Hazardous Decomposition Products: Sulfur dioxide.
Hazardous Polymerization: Will not occur.
Reactivity: No Reactivity.
Hazardous Decomposition: Carbon Dioxide, Carbon Monoxide.

Section XI: Toxicological Information:

Toxicity: No data available
Carcinogenicity: Not Available
Acute Systemic Effects: Data not Available. Minimal Toxicity
Chronic Systems Effects: No evidence of adverse effects from available informations.
Exposure Limits: Refer to section II
Teterogenicity: n/a
Reproductive Toxicity: n/a
Mutagenicity: n/a
Synergistic Products: n/a
LD50 LC50: refer to Section II

Section XII: Ecological Information:

No Data Available

Hazard Class - Not A VHMIS controlled Product

Section XIII: Disposal Considerations:

Dispose of in accord with Federal, State, and/or Local laws.

Section XIV: Transport Information:

Dept. of Transportation: Shipping Name - n/a

Section XV: Regulatory Information: State-International:

refer to Section II, WHMIS listed.

Section XVI: Other Information:

The information contained in this Material Safety Data Sheet is furnished without warranty of any kind. The user should consider this data a supplement to other information gathered and must make independent determination of suitability and completeness of information from this and other sources to assure proper use and disposal of this material and the health and safety of employees and customers. This statement is incorporated as part of this Material Safety Data Sheet. The Hazard Rating listing is intended solely for the use of individuals trained in the particular system. This MSDS format conforms with U.S. OSHA Hazard Communication Standard (29 CFR 1910.1200) and is based on ANSI Standard Z 400.1-1993