MATERIAL SAFETY DATA SHEET

SECTION 1 - General Information PRODUCT NAME T2 Automatic X-Ray Fixers Concentrate, Working Solution PRODUCT USE Photographic fixer HMIS SCALE HEALTH **1** FLAMMABILITY **0** CATALOG # White Mountain Imaging SUPPLIER 3303, 4010F, 4010FP, 4300F P.O. Box 216 Salisbury NH 03268 **ADDRESS** EMERGENCY TEL # CHEMTREC 800-424-9300 603-648-2124 PHONE NO **SECTION 2 - Product and Hazardous Ingredients Information HAZARDOUS INGREDIENTS Permissible Exposure Limit CAS NUMBER** W/W % LD50 LC50 90-95 Water 7732-18-5 not listed 42.6 gm/kg not available 2890 mg/kg Ammonium thiosulfate 7783-18-8 8-12 not listed not available Sodium sulfite 7757-83-7 <2 not listed 2825 mg/kg not available Aluminum sulfate 10043-01-3 ACGIH TWA 2mg/m3 6201 mg/kg not available <2

SECTION 3 - Hazards Identification

EFFECTS OF ACUTE EXPOSURE TO PRODUCT

Harmful if swallowed. may cause burning or irritation of eyes and mucous membranes. may cause mild skin irritation and /or allergic skin reaction. Prolonged inhalation of vapors may be irritating and may cause headaches.

EFFECTS OF CHRONIC EXPOSURE TO PRODUCT

None known

SECTION 4 - First Aid Measures

SKIN CONTACT

Wash exposed skin thoroughly with soap and water. If irritation persists seek medical advice.

EYE CONTACT

Flush eyes with water for 15 minutes. Seek medical advice if symptoms persist.

INGESTION

DO NOT induce vomiting. Seek medical advice giving details of amount swallowed and toxicity.

INHALATION

If inhaled, remove to fresh air.

SECTION 5 - Fire Fighting Measures FLAMMABILITY YES IF YES, UNDER WHAT CONDITIONS NO X MEANS OF EXTINCTION As needed to extinguish adjacent fire source. FLASHPOINT (°C) AND METHOD UPPER ELAMMABLE LIMIT (% BY VOLUME) LOWER FLAMMABLE LIMIT (% BY VOLUME) AUTOIGNITION TEMPERATURE (°C) Not appropriate Not appropriate Not appropriate Not appropriate HAZARDOUS COMBUSTION PRODUCTS EXPLOSION DATA SENSITIVITY TO IMPACT SENSITIVITY TO STATIC DISCHARGE See "Hazardous Decomposition Products". Not susceptible Not susceptible **SECTION 6 - Accidental Release**

Flush to sewer with plenty of water, if permitted. If not, soak up with dry absorbent material. Consult with governmental regulatory agencies for appropriate disposal of this material. Wear appropriate protective equipment.

SECTION 7 - Handling and Storage

Read and follow the label, material safety data sheet, and instructions before using. Avoid any contact with skin and eyes. Keep container tightly closed. Avoid incompatible substances. Wash thoroughly after handling this product.

MATERIAL SAFETY DATA SHEET

SECTION 1 - General Information PRODUCT NAME T2 Automatic X-Ray Fixers Concentrate, Part 2 PRODUCT USE Photographic fixer HMIS SCALE HEALTH **1** FLAMMABILITY **0** REACTIVITY CATALOG # White Mountain Imaging SUPPLIER 3303, 4010F, 4010FP, 4300F P.O. Box 216 Salisbury NH 03268 **ADDRESS** EMERGENCY TEL # CHEMTREC 800-424-9300 603-648-2124 PHONE NO **SECTION 2 - Product and Hazardous Ingredients Information CAS NUMBER Permissible Exposure Limit HAZARDOUS INGREDIENTS** W/W % LD50 LC50 7732-18-5 Water 70-80 not listed 42.6 gm/kg not available 6201 mg/kg Aluminum sulfate 10043-01-3 20-30 ACGIH TWA 2mg/m3 not available **SECTION 3 - Hazards Identification**

EFFECTS OF ACUTE EXPOSURE TO PRODUCT

Harmful if swallowed. may cause burning or redness of eyes and mucous membranes. may cause mild skin irritation and /or allergic skin reaction. Prolonged inhalation of vapors may be irritating and may cause headaches.

EFFECTS OF CHRONIC EXPOSURE TO PRODUCT

None known

SECTION 4 - First Aid Measures

SKIN CONTACT

Wash exposed skin thoroughly with soap and water. If irritation persists seek medical advice.

EYE CONTACT

Flush eyes with water for 15 minutes. Seek medical advice if symptoms persist.

INGESTION

DO NOT induce vomiting. Seek medical advice giving details of amount swallowed and toxicity.

INHALATION

If inhaled, remove to fresh air. **SECTION 5 - Fire Fighting Measures** FLAMMABILITY YES IF YES, UNDER WHAT CONDITIONS NO X MEANS OF EXTINCTION As needed to extinguish adjacent fire source. At elevated temperatures (>1400°F), sulfur oxides may form. FLASHPOINT (°C) AND METHOD UPPER ELAMMABLE LIMIT (% BY VOLUME) LOWER FLAMMABLE LIMIT (% BY VOLUME) AUTOIGNITION TEMPERATURE (°C) Not appropriate Not appropriate Not appropriate Not appropriate HAZARDOUS COMBUSTION PRODUCTS SENSITIVITY TO IMPACT EXPLOSION DATA SENSITIVITY TO STATIC DISCHARGE See "Hazardous Decomposition Products". Not susceptible Not susceptible **SECTION 6 - Accidental Release**

Flush to sewer with plenty of water, if permitted. If not, soak up with dry absorbent material. Consult with governmental regulatory agencies for appropriate disposal of this material. Wear appropriate protective equipment.

SECTION 7 - Handling and Storage

Read and follow the label, material safety data sheet, and instructions before using. Avoid any contact with skin and eyes. Keep container tightly closed. Avoid incompatible substances. Wash thoroughly after handling this product.

12 Automatic X-Ray Fix	kers Concentrate, Pa	art 2		
	SEC	ΓΙΟΝ 8 - Exposι	re Controls	
ventiation Good general	ventilation.			
KIN Latex or nitrile EYE Splash goggles RESPIRATORY Not no			respiratory Not norma	ally required
OTHER Eye wash stat	ion			
	SECTION 9	- Physical and	Chemical Prope	rties
PHYSICAL STATE ODOR AND APPEARANCE			•	ODOR THRESHOLD
Liquid			BOILING POINT (°C)	Not available
VAPOUR PRESSURE (mmHg) < 17 mm Hg	0.6 mm Hg	Not available	≥ 212°F	FREEZING POINT(°C) ≤ 32°F
рН 3.50	SPECIFIC GRAVITY 1.330	solubility in water (20°C) Complete	COEFF WATER OIL Not available	PERCENT VOLATILE (BY VOLUME) 70%
	SECTION	10 - Stability an	d Reactivity Da	ta
CHEMICAL STABILITY YES X NO	IF NO, UNDER WHAT		in Headining Bu	
YES X NO INCOMPATIBILITY WITH OTHER SUBS	TANCES IF YES, WHICH ONES	?		
YES X NO	Precipitates alka			
REACTIVITY, AND UNDER WHAT COM	NDITIONS Stable under	ambient pressure and	temperature.	
HAZARDOUS DECOMPOSITION PROE	oucts None			
	SECTION 1	1 - Toxicologica	I Information	
EXPOSURE LIMITS		ANCY OF PRODUCT	SENSITIZATION TO PRODUC	
Ammonium sulfate 2 mg/M3		one known	None known	Not listed by IARC, OSHA or ACGIH.
teratogenicity Not known	KE KOBCCITE TOMOIT		mutagenicity Not known	synergistic products Not known
	SECTION	12 - Ecological	Information	-
No data available				
-	SECTIO	N 13 - Disposa	l Considerations	5
Dispose of this product		•		
		,		
	SECTION	14 - Transporta	tion Informatio	n
Aluminum sulfate, Class 5000 lb.	s 9, UN 3082, PG II	I for quantities greater	than 5000 lb. Not app	licable for quantities less than
	SECTIO	N 15 - Regulato	ory Information	
No data available		<u> </u>	,	

SECTION 16 - Other Information

The information contained in this MSDS is furnished without warranty of any kind. The user should consider this data a supplement to other data gathered and must make an independent determination of suitability from this and other sources to assure proper use and disposal of this material and the health and safety of employees and customers.

PREPARED BY Envision Compliance Ltd.

PHONE NUMBER 905-760-1638

March 5, 2002

MATERIAL SAFETY DATA SHEET

SECTION 1 - General Information PRODUCT NAME T2 Automatic X-Ray Fixers Concentrate, Part 1 PRODUCT USE Photographic fixer HMIS SCALE HEALTH **1** FLAMMABILITY **0** REACTIVITY CATALOG # White Mountain Imaging SUPPLIER 3303, 4010F, 4010FP, 4300F P.O. Box 216 Salisbury NH 03268 **ADDRESS** EMERGENCY TEL # CHEMTREC 800-424-9300 603-648-2124 PHONE NO **SECTION 2 - Product and Hazardous Ingredients Information HAZARDOUS INGREDIENTS** W/W % **Permissible Exposure Limit CAS NUMBER** LD50 LC50 Water 7732-18-5 40-50 not listed 42.6 gm/kg not available 40-50 2890 mg/kg Ammonium thiosulfate 7783-18-8 not listed not available Sodium sulfite 7757-83-7 5-10 not listed 2825 mg/kg not available Acetic acid 64-19-7 OSHA TWA 10 ppm 3310 mg/kg 5620 -1h 5-10

SECTION 3 - Hazards Identification

EFFECTS OF ACUTE EXPOSURE TO PRODUCT

Harmful if swallowed, may cause burning or redness of eyes and mucous membranes, may cause mild skin irritation and /or allergic skin reaction. Prolonged inhalation of vapors may be irritating and may cause headaches.

EFFECTS OF CHRONIC EXPOSURE TO PRODUCT

None known

SECTION 4 - First Aid Measures

SKIN CONTACT

Wash exposed skin thoroughly with soap and water. If irritation persists seek medical advice.

Flush eyes with water for 15 minutes. Seek medical advice if symptoms persist.

DO NOT induce vomiting. Seek medical attention immediately.

INHALATION

If inhaled, remove to fresh air.

SECTION 5 - Fire Fighting Measures FLAMMABILITY YES IF YES, UNDER WHAT CONDITIONS NO X MEANS OF EXTINCTION As needed to extinguish adjacent fire source. FLASHPOINT (°C) AND METHOD UPPER ELAMMABLE LIMIT (% BY VOLUME) LOWER FLAMMABLE LIMIT (% BY VOLUME) AUTOIGNITION TEMPERATURE (°C) Not appropriate Not appropriate Not appropriate Not appropriate HAZARDOUS COMBUSTION PRODUCTS EXPLOSION DATA SENSITIVITY TO IMPACT SENSITIVITY TO STATIC DISCHARGE See "Hazardous Decomposition Products". Not susceptible Not susceptible **SECTION 6 - Accidental Release**

Flush to sewer with plenty of water, if permitted. If not, soak up with dry absorbent material. Consult with governmental regulatory agencies for appropriate disposal of this material. Wear appropriate protective equipment.

SECTION 7 - Handling and Storage

Read and follow the label, material safety data sheet, and instructions before using. Avoid any contact with skin and eyes. Keep container tightly closed. Avoid incompatible substances. Wash thoroughly after handling this product.

SECTION 8 - Exposure Controls VENTIATION Good general ventilation. Latex or nitrile EYE Splash goggles RESPIRATORY Not normally required SKIN OTHER Eye wash station **SECTION 9 - Physical and Chemical Properties** ODOR AND APPEARANCE ODOR THRESHOLD PHYSICAL STATE Liquid Not available VAPOUR PRESSURE (mmHg) VAPOUR DENSITY (Air = 1) EVAPORATION RATE(Water = 1) BOILING POINT (°C) FREEZING POINT(°C) ≤ 32°F < 17 mm Hg 0.6 mm Hg Not available ≥ 212°F SPECIFIC GRAVITY COEFF WATER OIL SOLUBILITY IN WATER (20°C) PERCENT VOLATILE (BY VOLUME) 5.20 1.320 Complete Not available 50% SECTION 10 - Stability and Reactivity Data IF NO, UNDER WHAT CONDITIONS CHEMICAL STABILITY NO IF YES, WHICH ONES? INCOMPATIBILITY WITH OTHER SUBSTANCES X Strong reducing agents, strong bases REACTIVITY, AND UNDER WHAT CONDITIONS Stable under ambient pressure and temperature. HAZARDOUS DECOMPOSITION PRODUCTS Ammonia **SECTION 11 - Toxicological Information** EXPOSURE LIMITS IRRITANCY OF PRODUCT SENSITIZATION TO PRODUCT CARCINOGENICITY None known Acetic acid: PEL 2.0 mg/m3 None known Not listed by IARC, OSHA or ACGIH. TERATOGENICITY REPRODUCTIVE TOXICITY MUTAGENICITY SYNERGISTIC PRODUCTS Not known Not known Not known Not known **SECTION 12 - Ecological Information** No data available **SECTION 13 - Disposal Considerations** Dispose of this product in accordance with federal, state and/or local laws. **SECTION 14 - Transportation Information** Not regulated for transportation. **SECTION 15 - Regulatory Information** SARA: Reportable quantity (RQ) for Ammonium Thiosulfate 5000 lb, Acetic acid 500 lb SARA Section 304, CERCLA Hazardous components - Ammonium Thiosulfate SARA Section 302,304,313 Hazardous components (None) Not a controlled product under Canadian WHMIS regulations. **SECTION 16 - Other Information** The information contained in this MSDS is furnished without warranty of any kind. The user should consider this data

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PHONE NUMBER 905-760-1638

March 5, 2002

SECTION 8 - Exposure Controls VENTIATION Good general ventilation. RESPIRATORY Not normally required Latex or nitrile EYE Splash goggles SKIN OTHER Eye wash station **SECTION 9 - Physical and Chemical Properties** ODOR AND APPEARANCE ODOR THRESHOLD PHYSICAL STATE Clear, colorless liquid with slight ammonia odor Liquid Not available VAPOUR PRESSURE (mmHg) VAPOUR DENSITY (Air = 1) EVAPORATION RATE(Water = 1) BOILING POINT (°C) FREEZING POINT(°C) ≤ 32°F <17 mm Hg 0.6 mm Hg Not available ≥ 212°F SPECIFIC GRAVITY COEFF WATER OIL SOLUBILITY IN WATER (20°C) PERCENT VOLATILE (BY VOLUME) рΗ 4.20 1.085 Complete Not available 50% SECTION 10 - Stability and Reactivity Data IF NO, UNDER WHAT CONDITIONS CHEMICAL STABILITY NO IF YES, WHICH ONES? INCOMPATIBILITY WITH OTHER SUBSTANCES X Strong reducing agents, strong bases. REACTIVITY, AND UNDER WHAT CONDITIONS Stable under ambient pressure and temperature. Ammonia HAZARDOUS DECOMPOSITION PRODUCTS **SECTION 11 - Toxicological Information** EXPOSURE LIMITS IRRITANCY OF PRODUCT SENSITIZATION TO PRODUCT CARCINOGENICITY None known None known None known Not listed by IARC, OSHA or ACGIH. TERATOGENICITY REPRODUCTIVE TOXICITY MUTAGENICITY SYNERGISTIC PRODUCTS Not known Not known Not known Not known **SECTION 12 - Ecological Information** No data available **SECTION 13 - Disposal Considerations** Dispose of this product in accordance with federal, state and/or local laws. **SECTION 14 - Transportation Information** Not regulated for transportation. **SECTION 15 - Regulatory Information** SARA: Reportable quantity (RQ) for Ammonium Thiosulfate 5000 lb SARA Section 304, CERCLA Hazardous components - Ammonium Thiosulfate SARA Section 302,304,313 Hazardous components (None) Not a controlled product under Canadian WHMIS regulations. **SECTION 16 - Other Information** The information contained in this MSDS is furnished without warranty of any kind. The user should consider this data

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