

# SAFETY DATA SHEET

## SECTION 1 - General Information

PRODUCT NAME	<b>T2 Automatic X-Ray Fixers Concentrate, Part B</b>								
PRODUCT USE	Photographic Solution	HMIS SCALE: Health	1	Flamability	0	Reactivity	0	PPE	C
SUPPLIER	White Mountain Imaging			CATALOG #:					
ADDRESS	PO Box 216 Salisbury, NH 03268			3303, 4010F, 4010FP, 4300F					
PHONE NO	603-648-2124	EMERGENCY TEL #	CHEMTREC 800-424-9300						

## SECTION 2 - Hazards Identification

### Precautionary Statement.

Skin: May cause mild skin irritation.

Eye: Causes serious eye irritation.

Oral: Harmful if swallowed and enters airways.

### Category

5

2A

2

### WARNING



### EFFECTS OF CRONIC EXPOSURE TO PRODUCT

None known.

## SECTION 3 - Product & Hazardous Ingredients Information

HAZARDOUS INGREDIENTS	CAS NUMBER	W/W %	Permissible Exposure Limit	LD50	LC50
Water	7732-18-5	70-80	Not listed	42.6 gm/kg	N/A
Aluminum Sulfate	10043-01-3	20-30	Not listed	2000 mg/kg	N/A

## 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 attention immediately.

### INHALATION

If inhaled, remove to fresh air.

## SECTION 5 - Fire Fighting Measures

Flamability YES  NO  IF YES UNDER WHAT CONDITIONS

### MEANS OF EXTINGUISHING

As needed to extinguish adjacent fire source.

### FLASH POINT (C/F) AND METHOD

Not appropriate

### UPPER LIMIT (% BY VOLUME)

Not appropriate

### LOWER LIMIT (% BY VOLUME)

Not appropriate

### AUTOIGNITION TEMPERATURE (C/F)

Not appropriate

### HAZARDOUS COMBUSTION PRODUCTS

"See Hazardous Decomposition Products"

### EXPLOSION DATA SENSITIVITY TO IMPACT

Not susceptible

### SENSITIVITY TO STATIC DISCHARGE

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, 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.

## T2 Automatic X-Ray Fixers Concentrate, Part B

### SECTION 8 - Exposure Controls

VENTILATION Good general ventilation  
SKIN Latex or nitrile EYE: Splash goggles RESPIRATORY Not normally required  
OTHER Eye wash station

### SECTION 9 - Physical & Chemical Properties

PHYSICAL STATE Liquid	ODOR & APPEARANCE Odorless, white or creamy white solution			ODOR THRESHOLD Not available
VAPOR PRESSURE (mm-Hg) <17 mm Hg	VAPOR DENSITY (Air=1) 0.6 mm Hg	EVAPORATION RATE (Water=1) Not Available	BOILING POINT > 212 F	FREEZING POINT < 32 F
pH 3.5 (1% Solution)	SPECIFIC GRAVITY 1.33	SOLUBILITY IN WATER Complete	COEFF WATER/OIL N/A	%VOLATOILE (BY VOLUME) 70% as water

### SECTION 10 - Stability & Reactivity Data

CHEMICAL STABILITY YES  NO  IF NO, UNDER WHAT CONDITIONS

INCOMPATIBLE WITH OTHER SUBSTANCES YES  NO  IF YES, WHICH ONES?  
Precipitates alkalis

REACTIVITY AND UNDER WHAT CONDITIONS Stable under ambient pressure and temperature

HAZARDOUS DECOMPOSITION PRODUCTS At elevated temperatures sulfur oxides may be formed.

### SECTION 11 - Toxicological Information

EXPOSURE LIMITS Aluminum sulfate 2 mg/M3	IRRITANCY OF PRODUCT Skin: Irritant	SENSITIZATION TO PRODUCT None known	CARCINOGENICITY No Carcinogenic Chemicals in this Product
TERATOGENICITY None Known	REPRODUCTIVE TOXICITY Not Known	MUTAGENICITY None known	SYNERGISTIC PRODUCTS None 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

Aluminum sulfate, Class 9, UN 3082, PG III for quantities greater than 5000 lb. Not applicable for quantities less than 5000 lb.

### SECTION 15 - Regulatory Information

No Data Available

### SECTION 16 - Other Information

The information contained in this SDS 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.

# SAFETY DATA SHEET

## SECTION 1 - General Information

PRODUCT NAME	<b>T2 Automatic X-Ray Fixers, Working Solution</b>								
PRODUCT USE	Photographic Solution	HMIS SCALE: Health	1	Flamability	0	Reactivity	0	PPE	C
SUPPLIER	White Mountain Imaging			CATALOG #:					
ADDRESS	PO Box 216 Salisbury, NH 03268			3303, 4010F, 4010FP, 4300F					
PHONE NO	603-648-2124	EMERGENCY TEL #	CHEMTREC 800-424-9300						

## SECTION 2 - Hazards Identification

### Precautionary Statement.

Skin: May cause mild skin irritation and or reaction.  
Eye: May cause burning or irritation of eyes and mucous membranes.  
Oral: May be harmful if swallowed or inhaled

### Category

5  
2A  
3

### WARNING



### EFFECTS OF CRONIC EXPOSURE TO PRODUCT

None known.

## SECTION 3 - Product & Hazardous Ingredients Information

HAZARDOUS INGREDIENTS	CAS NUMBER	W/W %	Permissible Exposure Limit	LD50	LC50
Water	7732-18-5	90-95	Not listed	42.6 gm/kg	N/A
Ammonium Thiosulfate	7783-18-8	8-12	Not listed	2890 mg/kg	N/A
Sodium Sulfite	7757-83-7	<2	Not listed	2825 mg/kg	N/A
Aluminum sulfate	10043-01-3	<2	ACGIH TWA 2mg/m <sup>3</sup>	2000 mg/kg	N/A

## 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 attention immediately.

### INHALATION

If inhaled, remove to fresh air.

## SECTION 5 - Fire Fighting Measures

Flamability YES  NO  IF YES UNDER WHAT CONDITIONS

### MEANS OF EXTINGUISHING

As needed to extinguish adjacent fire source.

FLASH POINT (C/F) AND METHOD	UPPER LIMIT (% BY VOLUME)	LOWER LIMIT (% BY VOLUME)	AUTOIGNITION TEMPERATURE (C/F)
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	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, 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.

## T2 Automatic X-Ray Fixers, Working Solution

### SECTION 8 - Exposure Controls

VENTILATION	Good general ventilation		
SKIN	Latex or nitrile	EYE: Splash goggles	RESPIRATORY Not normally required
OTHER	Eye wash station		

### SECTION 9 - Physical & Chemical Properties

PHYSICAL STATE	Liquid	ODOR & APPEARANCE	Clear, colorless with slight vinegar odor.	ODOR THRESHOLD	Not available
VAPOR PRESSURE (mm-Hg)	<17 mm Hg	VAPOR DENSITY (Air=1)	0.6 mm Hg	EVAPORATION RATE (Water=1)	Not Available
				BOILING POINT	> 212 F
pH	4.30	SPECIFIC GRAVITY	1.085	SOLUBILITY IN WATER	Complete
				COEFF WATER/OIL	N/A
				%VOLATOILE (BY VOLUME)	80-90% as water

### SECTION 10 - Stability & Reactivity Data

CHEMICAL STABILITY	YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	IF NO, UNDER WHAT CONDITIONS	
INCOMPATIBLE WITH OTHER SUBSTANCES	YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	IF YES, WHICH ONES?	Strong reducing agents & Strong bases.
REACTIVITY AND UNDER WHAT CONDITIONS			Stable under ambient pressure and temperature
HAZARDOUS DECOMPOSITION PRODUCTS			Sulfur dioxide & ammonia

### SECTION 11 - Toxicological Information

EXPOSURE LIMITS	IRRITANCY OF PRODUCT	SENSITIZATION TO PRODUCT	CARCINOGENICITY
None known	Skin: Irritant	None known	Not listed by IARC, OSHA, or ACGIH
TERATOGENICITY	REPRODUCTIVE TOXICITY	MUTAGENICITY	SYNERGISTIC PRODUCTS
None Known	Not Known	None known	None 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 regulation

### SECTION 16 - Other Information

The information contained in this SDS 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.

# SAFETY DATA SHEET

## SECTION 1 - General Information

PRODUCT NAME	<b>T2 Automatic X-Ray Fixers Concentrate, Part A</b>				
PRODUCT USE	Photographic Solution	HMIS SCALE:	Health <b>1</b>	Flamability <b>0</b>	Reactivity <b>0</b> PPE <b>C</b>
SUPPLIER	White Mountain Imaging	ADDRESS			CATALOG #:
ADDRESS	PO Box 216 Salisbury, NH 03268	PHONE NO			3303, 4010F, 4010FP, 4300F
PHONE NO	<b>603-648-2124</b>	EMERGENCY TEL #	<b>CHEMTREC 800-424-9300</b>		

## SECTION 2 - Hazards Identification

### Precautionary Statement.

Skin: May cause mild skin irritation and or reaction.

Eye: May cause burning or irritation of eyes and mucous membranes.

Oral: May be harmful if swallowed or inhaled

### Category

5

2A

3

### WARNING



### EFFECTS OF CRONIC EXPOSURE TO PRODUCT

None known.

## SECTION 3 - Product & Hazardous Ingredients Information

HAZARDOUS INGREDIENTS	CAS #	W/W %	Permissible Exposure Limit	LD50	LC50
Water	7732-18-5	40-60	Not listed	42.6 gm/kg	N/A
Ammonium Thiosulfate	7783-18-8	30-40	Not listed	2890 mg/kg	N/A
Sodium Sulfite	7757-83-7	5-10	Not listed	2825 mg/kg	N/A
Acetic Acid	64-19-7	1.3	OSHA TWA 10 ppm	3310 mg/kg	5610-1h

### 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 attention immediately.

### INHALATION

If inhaled, remove to fresh air.

## SECTION 5 - Fire Fighting Measures

Flamability YES  NO  IF YES UNDER WHAT CONDITIONS

### MEANS OF EXTINGUISHING

As needed to extinguish adjacent fire source.

### FLASH POINT (C/F) AND METHOD

Not appropriate

### UPPER LIMIT (% BY VOLUME)

Not appropriate

### LOWER LIMIT (% BY VOLUME)

Not appropriate

### AUTOIGNITION TEMPERATURE (C/F)

Not appropriate

### HAZARDOUS COMBUSTION PRODUCTS

"See Hazardous Decomposition Products"

### EXPLOSION DATA SENSITIVITY TO IMPACT

Not susceptible

### SENSITIVITY TO STATIC DISCHARGE

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, 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.

**T2 Automatic X-Ray Fixers Concentrate, Part A****SECTION 8 - Exposure Controls**

VENTILATION	Good general ventilation		
SKIN	Latex or nitrile	EYE: Splash goggles	RESPIRATORY Not normally required
OTHER	Eye wash station		

**SECTION 9 - Physical & Chemical Properties**

PHYSICAL STATE	Liquid	ODOR & APPEARANCE	Clear, colorless with slight vinegar odor.		ODOR THRESHOLD	Not available			
VAPOR PRESSURE (mm-Hg)	<17 mm Hg	VAPOR DENSITY (Air=1)	0.6 mm Hg	EVAPORATION RATE (Water=1)	Not Available	BOILING POINT	> 212 F	FREEZING POINT	< 32 F
pH	5.20	SPECIFIC GRAVITY	1.32	SOLUBILITY IN WATER	Complete	COEFF WATER/OIL	N/A	%VOLATILE (BY VOLUME)	50% as water

**SECTION 10 - Stability & Reactivity Data**

CHEMICAL STABILITY	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>	IF NO, UNDER WHAT CONDITIONS
INCOMPATIBLE WITH OTHER SUBSTANCES	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>	IF YES, WHICH ONES? Strong reducing agents & Strong bases.
REACTIVITY AND UNDER WHAT CONDITIONS	Stable under ambient pressure and temperature		
HAZARDOUS DECOMPOSITION PRODUCTS	Sulfur dioxide & ammonia		

**SECTION 11 - Toxicological Information**

EXPOSURE LIMITS	IRRITANCY OF PRODUCT	SENSITIZATION TO PRODUCT	CARCINOGENICITY
Acetic acid 10 ppm	Skin: Irritant	None known	Not listed by IARC, OSHA, or ACGIH
TERATOGENICITY	REPRODUCTIVE TOXICITY	MUTAGENICITY	SYNERGISTIC PRODUCTS
None Known	Not Known	None known	None 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 regulation

**SECTION 16 - Other Information**

The information contained in this SDS 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.