

SAFETY DATA SHEETS

This SDS packet was issued with item:

078033413

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

078771876

MATERIAL SAFETY DATA SHEET

SECTION 1 - General Information

PRODUCT NAME	T2 Automatic X-Ray Developers Concentrate, Part 1				
PRODUCT USE	Photographic solution	HMIS SCALE	HEALTH 1	FLAMMABILITY 0	REACTIVITY 0 PPE C
SUPPLIER	White Mountain Imaging	CATALOG #			
ADDRESS	PO Box 216 Salisbury NH 03268	4010D, 4010D-ADM, 4010D-AG, 4010D-DP, 4010D-EX, 4010D-LA, 4010D-MR, 4010D-MV, 4010D-UM, 4200D,			
PHONE NO.	603-648-2124	EMERGENCY TEL #	CHEMTREC 800-424-9300		

SECTION 2 - Product and Hazardous Ingredients Information

HAZARDOUS INGREDIENTS	CAS NUMBER	W/W %	Permissible Exposure Limit	LD50	LC50
Water	7732-18-5	60-70	not listed	42.6 gm/kg	not available
Sodium metabisulfite	7681-57-4	5-10	NIOSH TWA 5 mg/m3	2000 mg/kg	not available
Hydroquinone	123-31-9	5-10	OSHA TWA 2 mg/m3	320 mg/kg	not available
Potassium hydroxide	1310-58-3	2-6	NIOSH (C) 2 mg/m3	365 mg/kg	not available
Sodium metaborates	12179-04-3	2-6	NIOSH TWA 1 mg/m3	not available	not available

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 reaction. Prolonged inhalation of vapors may be irritating and 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 attention immediately.

INHALATION

If inhaled, remove to fresh air.

SECTION 5 - Fire Fighting Measures

FLAMMABILITY YES NO IF YES, UNDER WHAT CONDITIONS

MEANS OF EXTINCTION

As needed to extinguish adjacent fire source.

FLASHPOINT (°C) AND METHOD	UPPER FLAMMABLE 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	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.

T2 Automatic X-Ray Developers Concentrate, Part 1

SECTION 8 - Exposure Controls

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

SECTION 9 - Physical and Chemical Properties

PHYSICAL STATE	ODOR AND APPEARANCE			ODOR THRESHOLD
Liquid	Clear, off-white to pale yellow liquid			Not available
VAPOUR PRESSURE (mmHg)	VAPOUR DENSITY (Air = 1)	EVAPORATION RATE (Water = 1)	BOILING POINT	FREEZING POINT
< 17 mm Hg	0.6 mm Hg	Not available	212°F	32°F
pH	SPECIFIC GRAVITY	SOLUBILITY IN WATER (20°C)	COEFF WATER OIL	PERCENT VOLATILE (BY VOLUME)
10.60	1.270	Complete	Not available	Not available

SECTION 10 - Stability and Reactivity Data

CHEMICAL STABILITY	IF NO, UNDER WHAT CONDITIONS			
YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	Strong oxidizing agents and strong acids			
INCOMPATIBILITY WITH OTHER SUBSTANCES	IF YES, WHICH ONES?			
YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>				
REACTIVITY, AND UNDER WHAT CONDITIONS	Stable under ambient pressure and temperature.			
HAZARDOUS DECOMPOSITION PRODUCTS	None			

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
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 Hydroquinone 5000 lb, Potassium hydroxide 1000 lb
SARA Section 304, CERCLA Hazardous components - (None)
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 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	T2 Automatic X-Ray Developers, Part 1				
PRODUCT USE	Photographic Solution	HMIS SCALE:	Health 1	Flamability 0	Reactivity 0 PPE C
SUPPLIER	White Mountain Imaging	ADDRESS			CATALOG #:
ADDRESS	PO Box 216 Salisbury, NH 03268	PHONE NO 603-648-2124			EMERGENCY TEL # CHEMTREC 800-424-9300
4010D, 4010D-ADM, 4010D-AG					
4010D-EX, 4200D-LA, 4010D-MR					
4200D					

SECTION 2 - Hazards Identification

Precautionary Statement.	Category
Oral: Harmful if swallowed	5
Skin: May cause mild skin irritation and/or allergic reaction.	1B
Eye: May cause eye irritation	2B

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	60-70	Not listed	42.6gm/kg	N/A
Sodium metabisulfite	7681-57-4	5-10	NOIOSH TWA 5 mg/m3	2000 mg/kg	N/A
Hydroquinone	123-31-9	5-10	OSHA TWA 2 mg/m3	375 mg/kg	N/A
Potassium hydroxide	1310-58-3	2-6	NIOSH © 2mg/m3	365 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 Developers, Part 1**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	Light yellow, odorless 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	10.50	SPECIFIC GRAVITY	1.27	SOLUBILITY IN WATER	Complete	COEFF WATER/OIL	N/A	%VOLATILE (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 oxidizing agent and strong acids.
REACTIVITY AND UNDER WHAT CONDITIONS	Stable under ambient pressure and temperature		
HAZARDOUS DECOMPOSITION PRODUCTS	None		

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.

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Not regulated for transportation.

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