

SAFETY DATA SHEETS

This SDS packet was issued with item:

078806471

N/A

MATERIAL SAFETY DATA SHEET

SECTION 1 - General Information

PRODUCT NAME **T2 Fixer Systems Cleaner**

PRODUCT USE **Photographic solutions** HMIS SCALE HEALTH **3** FLAMMABILITY **0** REACTIVITY **1** PPE **C**
SUPPLIER **White Mountain Imaging** CATALOG # **4900FC**
ADDRESS **PO Box 216 Salisbury NH 03268**
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	80-90	not listed	42.6 gm/kg	not available
Sodium hydroxide	1310-73-2	9-15	OSHA TWA 2 mg/m3	140 mg/kg	not available

SECTION 3 - Hazards Identification

EFFECTS OF ACUTE EXPOSURE TO PRODUCT

Causes severe eye burns. Causes severe skin burns and may cause deep penetrating skin ulcers. If ingested will cause gastrointestinal burns with severe pain, nausea, vomiting, diarrhea and shock. Causes severe irritation of upper respiratory tract with coughing, burns and breathing difficulty.

EFFECTS OF CHRONIC EXPOSURE TO PRODUCT

Prolonged or repeated skin contact will cause dermatitis and possible ulcerations..

SECTION 4 - First Aid Measures

SKIN CONTACT

Wash exposed skin thoroughly with soap and water for 15 minutes. Seek medical advice immediately.

EYE CONTACT

Flush eyes with water for 15 minutes. Seek medical advice immediately.

INGESTION

DO NOT induce vomiting. Give 2-4 cups of milk or water. Seek medical attention immediately.

INHALATION

If inhaled, remove to fresh air immediately. Seek medical attention.

SECTION 5 - Fire Fighting Measures

FLAMMABILITY YES NO IF YES, UNDER WHAT CONDITIONS

MEANS OF EXTINGUISHION

As needed to extinguish adjacent fire source. Do not use direct water stream.

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

SECTION 6 - Accidental Release

Pick up bottles or other containers and place in drums or other suitable containers. Neutralize with sodium sesquicarbonate. Absorb the residue with dry absorbent material. Flush to sewer with plenty of water, if permitted. 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. Neutralize with sodium bicarbonate.

SECTION 8 - Exposure Controls

VENTILATION Good general ventilation.

SKIN Latex or nitrile

EYE Splash goggles

RESPIRATORY

OTHER Eye wash station

SECTION 9 - Physical and Chemical Properties

PHYSICAL STATE Liquid	ODOR AND APPEARANCE Clear colorless odorless liquid			ODOR THRESHOLD Not available
VAPOUR PRESSURE (mmHg) < 17 mm Hg	VAPOUR DENSITY (Air = 1) 0.6 mm Hg	EVAPORATION RATE (Water = 1) Not available	BOILING POINT 212°F	FREEZING POINT 32°F
pH 12.0	SPECIFIC GRAVITY 1.100	SOLUBILITY IN WATER (20°C) Complete	COEFF WATER OIL Not available	PERCENT VOLATILE (BY VOLUME) 85%

SECTION 10 - Stability and Reactivity Data

CHEMICAL STABILITY YES NO IF NO, UNDER WHAT CONDITIONS.
Strong acids and oxidizing agents.

INCOMPATIBILITY WITH OTHER SUBSTANCES IF YES, WHICH ONES?
YES NO

REACTIVITY, AND UNDER WHAT CONDITIONS Stable under ambient pressure and temperature.

HAZARDOUS DECOMPOSITION PRODUCTS Toxic fumes of sodium oxide & sodium peroxide

SECTION 11 - Toxicological Information

EXPOSURE LIMITS Sodium hydroxide 2mg/M3 PEL TLV	IRRITANCY OF PRODUCT Eye: Corrosive Skin: Corrosive	SENSITIZATION TO PRODUCT Yes	CARCINOGENICITY Not listed by IARC, OSHA or ACGIH.
TERATOGENICITY Not known	REPRODUCTIVE TOXICITY Not known	MUTAGENICITY Not known	SYNERGISTIC PRODUCTS Not listed

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

Sodium hydroxide Solution "Limited Quantity", Class 8, UN 1824, PG II

SECTION 15 - Regulatory Information

SARA: RQ for sodium hydroxide is 1000 lb
SARA Section 304, CERCLA Hazardous components
SARA Section 302,304,313 Hazardous components (None)
Class E 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™ FIXER SYSTEMS CLEANER								
PRODUCT USE	Photographic Solution	HMIS SCALE: Health	3	Flamability	0	Reactivity	0	PPE	C
SUPPLIER	White Mountain Imaging			CATALOG #:	4900FC				
ADDRESS	PO Box 216 Salisbury, NH 03268								
PHONE NO	603-648-2124	EMERGENCY TEL #	CHEMTREC 800-424-9300						

SECTION 2 - Hazards Identification

Precautionary Statement.

Skin: Causes severe skin burns and may cause skin ulcers.
Eye: Causes severe eye burns & damage.
Oral: TOXIC If ingested, Will cause severe gastrointestinal burns,pain,
nausia, vomiting & shock.

Classification

2
1A
3

DANGER



Avoid all contact with chemical. Wear complete Personal Protective Equipment (PPE).

SECTION 3 - Product & Hazardous Ingredients Information

HAZARDOUS INGREDIENTS	CAS NUMBER	W/W %	Permissible Exposure Limit	LD50
Water	7732-18-5	80-95%	Not listed	42.6 gm/kg
Sodium hydroxide	1310-73-2	10-20%	OSHA TWA 2mg/m3	140 mg/kg

SECTION 4 - First Aid Measures

SKIN CONTACT

Wash exposed skin thoroughly with soap and cool water. Seek medical advice immediately.

EYE CONTACT

Flush eyes with water for 15 minutes. Seek medical advice Immediately.

INGESTION

DO NOT induce vomiting. Give 2-4 cups of milk or water. Seek medical attention immediately.

INHALATION

If inhaled, remove to fresh air immediately. Seek medical attention.

SECTION 5 - Fire Fighting Measures

Flamability YES NO IF YES UNDER WHAT CONDITIONS

MEANS OF EXTINGUISHING

As needed to extinguish adjacent fire source. Do not use direct water stream. Protect eyes, skin & breathing with appropriate breathing a equipment & PPE.

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

HAZARDOUS COMBUSTION PRODUCTS	EXPLOSION DATA	SENSITIVITY TO IMPACT	SENSITIVITY TO STATIC DISCHARGE
"See Hazardous Decomposition Products"	Not susceptible		Not susceptible

SECTION 6 - Accidental Release

Pick up bottles and other containers & place in drums or suitable containers. Neutralize with sodium sesquicarbonate. Absorb the residuals with dry absorbant material. Flush to sewer with plenty of water, if permitted. Consult with local &/or Federal officials for appropriate disposal of this material.

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. Neutralize with sodium bicarbonate.

SECTION 8 - Exposure Controls

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

SECTION 9 - Physical & Chemical Properties

PHYSICAL STATE	Liquid	ODOR & APPEARANCE	Clear colorless odorless liquid.		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	12.00	SPECIFIC GRAVITY	1.100	SOLUBILITY IN WATER	Complete	COEFF WATER/OIL	N/A	%VOLATOILE (BY VOLUME)	85% 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 oxidizers, strong acid, ammonia compounds, bromide & chloride. Keep away ignitable compounds.
REACTIVITY AND UNDER WHAT CONDITIONS	Stable under ambient pressure and temperature			
HAZARDOUS DECOMPOSITION PRODUCTS	Toxic fumes of sodium oxide and sodium peroxide.			

SECTION 11 - Toxicological Information

EXPOSURE LIMITS	IRRITANCY OF PRODUCT	SENSITIZATION TO PRODUCT	CARCINOGENICITY
Sodium hydroxide 2 mg/m3 PEL TLV	Skin & eye Corrosive.	yes	No Carcinogenic Chemicals in this Product
TERATOGENICITY	REPRODUCTIVE TOXICITY	MUTAGENICITY	SYNERGISTIC PRODUCTS
None Known	Not Known	None known	Not listed

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

Sodium hydroxide solution "Limited Quantity" , Class 8, UN 1824, PG II

SECTION 15 - Regulatory Information

SARA: RQ for sodium hydroxide is 1000 lb
 SARA Title III Section 302, (40 CFR 355 Extremely Hazardous Substance). (Sodium hydroxide)
 SARA Section 304, CERCLA Hazardous components. (none)
 SARA Section 302, 304,313 Hazardous components (none).
 Class E under Canadian WHMIS regulations

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.