

# MATERIAL SAFETY DATA SHEET

## SECTION 1 - General Information

PRODUCT NAME **T2 Developer Activator**

PRODUCT USE **Photographic solution**

HMIS SCALE HEALTH **1** FLAMMABILITY **0** REACTIVITY **0** PPE **C**

SUPPLIER **White Mountain Imaging**

CATALOG #  
**4900A**

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	60-100	not listed	42.6 gm/kg	not available
Sodium metabisulfite	7681-57-4	1-10	NIOSH TWA 5 mg/m3	2000 mg/kg	not available
N-methyl-2-pyrrolidone	872-50-4	1-10	not listed	7200 mg/kg	not available
1-phenyl-3-pyrazolidinone	92-43-3	1-10	not listed	200 mg/kg	not available

## SECTION 3 - Hazards Identification

### EFFECTS OF ACUTE EXPOSURE TO PRODUCT

Harmful if swallowed. Will cause burning or irritation of eyes and mucous membranes. May cause mild skin irritation and/or allergic reaction.

### 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 EXTINGUISHION

As needed to extinguish adjacent fire source.

### FLASHPOINT (°C) AND METHOD

>200°F

### UPPER FLAMMABLE LIMIT (% BY VOLUME)

Not appropriate

### LOWER FLAMMABLE LIMIT (% BY VOLUME)

Not appropriate

### AUTOIGNITION TEMPERATURE (°C)

Not appropriate

### HAZARDOUS COMBUSTION PRODUCTS

See "Hazardous Decomposition Products".

### EXPLOSION DATA

Not susceptible

### SENSITIVITY TO IMPACT

### 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, 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**

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 light amber liquid with slight amine odor			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 5.90	SPECIFIC GRAVITY 1.010	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 reducing agents, strong bases

INCOMPATIBILITY WITH OTHER SUBSTANCES IF YES, WHICH ONES?

YES  NO 

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

HAZARDOUS DECOMPOSITION PRODUCTS Sulfur dioxide, carbon monoxide, nitrogen oxide.

**SECTION 11 - Toxicological Information**

EXPOSURE LIMITS 1-phenyl-3-pyrazolidinone 0.2 mg/m <sup>3</sup>	IRRITANCY OF PRODUCT None known	SENSITIZATION TO PRODUCT None known	CARCINOGENICITY Not listed by IARC, OSHA or ACGIH.
TERATOGENICITY Not known	REPRODUCTIVE TOXICITY Not known	MUTAGENICITY Not known	SYNERGISTIC PRODUCTS 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**

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.