

MATERIAL SAFETY DATA SHEET

SECTION 1 - General Information

PRODUCT NAME **T2 ESC Developer Systems Cleaner, Part 1**

PRODUCT USE **Photographic solution** HMIS SCALE HEALTH **1** FLAMMABILITY **0** REACTIVITY **0** PPE **C**
SUPPLIER **White Mountain Imaging** CATALOG # **4902EC**
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	95-99	not listed	42.6 gm/kg	not available
Potassium permanganate	7722-64-7	2-4	OSHA C 5 mg(Mn)m3	1090 mg/kg	not available

SECTION 3 - Hazards Identification

EFFECTS OF ACUTE EXPOSURE TO PRODUCT

Harmful if swallowed. May cause irritation of eyes and mucous membranes. May cause mild skin irritation and or allergic reaction. Prolonged inhalation of vapors from dilute solutions may be mildly irritating.

EFFECTS OF CHRONIC EXPOSURE TO PRODUCT

None known

SECTION 4 - First Aid Measures

SKIN CONTACT

Rinse with ESC diluted neutralizer & wash exposed skin 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 **Not appropriate** 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 **Not susceptible** SENSITIVITY TO STATIC DISCHARGE **Not susceptible**

SECTION 6 - Accidental Release

Neutralize with diluted ESC Neutralizer Rinse or sodium sulfite. When neutralization is complete the solution will be white. 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 splash goggles, impervious gloves and apron.

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. (Not normally required)		
SKIN	Latex or nitrile	EYE	Splash goggles
OTHER	Eye wash station		

SECTION 9 - Physical and Chemical Properties

PHYSICAL STATE	ODOR AND APPEARANCE			ODOR THRESHOLD
Liquid	Deep blue 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)
9.50	1.020	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"/>	Alcohol, HCL acids and organic substances.		
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	Oxygen		

SECTION 11 - Toxicological Information

EXPOSURE LIMITS	IRRITANCY OF PRODUCT	SENSITIZATION TO PRODUCT	CARCINOGENICITY
Potassium permanganate 5 ppm TLV	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 Potassium permanganate is 100 lb
 SARA Section 304, CERCLA Hazardous components
 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.