

MATERIAL SAFETY DATA SHEET

SECTION 1 - General Information

PRODUCT NAME **FR Developer Tank and Tray Cleaner 11-010**

PRODUCT USE	Photographic solution	HMIS SCALE	HEALTH 3	FLAMMABILITY 0	REACTIVITY 0	PPE B
SUPPLIER	White Mountain Imaging	CATALOG #				
		4093DC				
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
Sulfuric acid	7664-93-9	3-7	OSHA TWA 1 mg/m ³	2140 mg/kg	5.1 g/m ³ 2h
Sodium dichromate (VI)	10588-01-9	3-7	0.5 mg (Cr)/m ³	50 mg/kg	not available

SECTION 3 - Hazards Identification

EFFECTS OF ACUTE EXPOSURE TO PRODUCT

May cause severe eye irritation, corneal burning and conjunctivitis. Severe permanent damage including blindness may occur. May cause skin burning and ulcerations. Can cause corrosive burns to mouth, throat, stomach and intestinal tract.

Inhalation may be irritating to respiratory tract. ulceration of mucous membranes of nose and mouth.

EFFECTS OF CHRONIC EXPOSURE TO PRODUCT

Dichromates are skin sensitizers. Skin absorption of dichromates have been reported. Dichromates are primarily toxic to liver and kidneys. Lung irritation and pulmonary edema may occur. may cause ulceration and perforation of the nasal septum

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. Give 1-2 glasses of water. 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	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

Neutralize with sodium bicarbonate or sodium sulfite. 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

VENTIATION Good general ventilation.

SKIN Latex or nitrile

EYE Splash goggles

RESPIRATORY Not normally required

OTHER Eye wash station

SECTION 9 - Physical and Chemical Properties

PHYSICAL STATE Liquid	ODOR AND APPEARANCE red, orange, odorless solution			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 0.1	SPECIFIC GRAVITY 1.119	SOLUBILITY IN WATER (20°C) Complete	COEFF WATER OIL Not available	PERCENT VOLATILE (BY VOLUME) 60-100%

SECTION 10 - Stability and Reactivity DataCHEMICAL STABILITY YES NO IF NO, UNDER WHAT CONDITIONSINCOMPATIBILITY WITH OTHER SUBSTANCES YES NO IF YES, WHICH ONES?
Strong reducing agents

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

HAZARDOUS DECOMPOSITION PRODUCTS Oxygen, Chromic oxide, Potassium chromate

SECTION 11 - Toxicological Information

EXPOSURE LIMITS Dichromate TWA 0.5 mg /m3 Sulfuric acid TLV 1 mg/m3	IRRITANCY OF PRODUCT Skin: Corrosive Eyes: Corrosive	SENSITIZATION TO PRODUCT Skin sensitizer	CARCINOGENICITY Not listed by IARC, OSHA or ACGIH.
TERATOGENICITY None known	REPRODUCTIVE TOXICITY reproductive effect	MUTAGENICITY may show effects	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

Corrosive liquid n.o.s. (sulfuric acid)

SECTION 15 - Regulatory Information

SARA Section 304, CERCLA hazardous components - Sulfuric acid, sodium dichromate

SARA Sections 302,304,313 Hazardous components (OSHA sub-part Z) sulfuric acid

California Prop 65 List: Sodium dichromate

WHMIS Class: D2-B, E,

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.