

# MATERIAL SAFETY DATA SHEET

## SECTION 1 - General Information

PRODUCT NAME **Hypo Estimator Kit**

PRODUCT USE	X-Ray Processing	HMIS SCALE	HEALTH <b>1</b>	FLAMMABILITY <b>0</b>	REACTIVITY <b>0</b>	PPE <b>C</b>
SUPPLIER	White Mountain Imaging	CATALOG #		3564		
ADDRESS	PO Box 216 Salisbury NH 03268					
PHONE NO.	<b>603-648-2124</b>	EMERGENCY TEL #	<b>CHEMTREC 800-424-9300</b>			

## 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
Acetic acid	64-19-7	1-5	OSHA TWA 10 ppm	3310 mg/kg	5620 -1h
Silver nitrate	7761-88-8	<1	not listed	50 mg/kg	not available

## SECTION 3 - Hazards Identification

### EFFECTS OF ACUTE EXPOSURE TO PRODUCT

This product presents a low hazard. May cause transient eye irritation. Expected to be a low hazard for skin and ingestion.

### 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

Drink one or two glasses of water. Seek medical attention.

### 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 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. Store above 40°F in a dark bottle

**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 and Chemical Properties**

PHYSICAL STATE Liquid	ODOR AND APPEARANCE Clear liquid with a vinegar odor			ODOR THRESHOLD Not available
VAPOUR PRESSURE (mmHg) 18 mm Hg	VAPOUR DENSITY (Air = 1) 0.6 mm Hg	EVAPORATION RATE (Water = 1) 0.4 acetate=1	BOILING POINT > 212°F	FREEZING POINT < 32°F
pH 2.4	SPECIFIC GRAVITY 1.01	SOLUBILITY IN WATER (20°C) Complete	COEFF WATER OIL Not available	PERCENT VOLATILE (BY VOLUME) 99% approximately

**SECTION 10 - Stability and Reactivity Data**CHEMICAL STABILITY YES  NO  IF NO, UNDER WHAT CONDITIONS  
None with the materials and products for which the product is designed to be used.INCOMPATIBILITY WITH OTHER SUBSTANCES IF YES, WHICH ONES?  
YES  NO REACTIVITY, AND UNDER WHAT CONDITIONS  
Stable under ambient pressure and temperature.HAZARDOUS DECOMPOSITION PRODUCTS  
None**SECTION 11 - Toxicological Information**EXPOSURE LIMITS  
Acetic acid: PEL 2.0 mg/m3IRRITANCY OF PRODUCT  
None knownSENSITIZATION TO PRODUCT  
None knownCARCINOGENICITY  
Not listed by IARC,  
OSHA or ACGIH.TERATOGENICITY  
Not knownREPRODUCTIVE TOXICITY  
Not knownMUTAGENICITY  
Not knownSYNERGISTIC 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 transport

**SECTION 15 - Regulatory Information**

SARA: Reportable quantity (RQ) Acetic acid 5000 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.