

# MATERIAL SAFETY DATA SHEET

## SECTION 1 - General Information

PRODUCT NAME **SR2 Single Part Rapid Developer Systems Cleaner**

PRODUCT USE	Photographic process cleaning solution	HMIS SCALE	HEALTH <b>2</b>	FLAMMABILITY <b>0</b>	REACTIVITY <b>0</b>	PPE <b>B</b>
SUPPLIER	White Mountain Imaging	CATALOG #		4904SR		
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	60-70	not listed	42.6 gm/kg	not available
Sulfuric acid	7664-93-9	<30	OSHA TWA 1 mg/m <sup>3</sup>	2140 mg/kg	5.1 g/m <sup>3</sup> 2h
Proprietary Chemical	NJTSRN-DSC-S1	<10	Not established	not available	not available

## SECTION 3 - Hazards Identification

### EFFECTS OF ACUTE EXPOSURE TO PRODUCT

Danger! Corrosive! Eye Contact: May be slight to severe irritation, burns, loss of sight. Skin Contact: may cause irritation or burns on skin. Ingestion: May cause severe and permanent damage to the digestive tract. Inhalation: May cause severe irritation of the respiratory tract.

### EFFECTS OF CHRONIC EXPOSURE TO PRODUCT

Prolonged skin contact may cause dermatitis and ulceration.

## SECTION 4 - First Aid Measures

### SKIN CONTACT

Rinse with diluted sodium sulfite. Wash exposed skin with warm water. If irritation persists seek medical advice.

### EYE CONTACT

Flush eyes with water for 15 minutes. Extensive irrigation with water required. Get medical aid immediately.

### INGESTION

DO NOT induce vomiting. Give 1-2 cupfuls of milk or water to dilute. Seek medical attention immediately.

### INHALATION

If respiratory symptoms develop with exposure, move person to fresh air. If symptoms persist, seek medical advice.

## SECTION 5 - Fire Fighting Measures

FLAMMABILITY YES  NO  IF YES, UNDER WHAT CONDITIONS

### MEANS OF EXTINCTION

Use water spray to cool fire-exposed containers. Use carbon dioxide or dry chemical. Most foams will react with the material and release corrosive/toxic gases.

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 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**

VENTIATION Good general ventilation.

SKIN Wear nitrile gloves

EYE Wear splash goggles

RESPIRATORY Not normally required

OTHER Eye wash station close to

**SECTION 9 - Physical and Chemical Properties**

PHYSICAL STATE	ODOR AND APPEARANCE			ODOR THRESHOLD
Liquid	red-orange solution, odorless			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)
<1.0	1.30	Complete	Not available	Not available

**SECTION 10 - Stability and Reactivity Data**CHEMICAL STABILITY YES  NO  IF NO, UNDER WHAT CONDITIONSINCOMPATIBILITY WITH OTHER SUBSTANCES IF YES, WHICH ONES?  
YES  NO  Keep away from strong reducing agents or strong bases

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

HAZARDOUS DECOMPOSITION PRODUCTS SO<sub>x</sub>, NO<sub>x</sub>**SECTION 11 - Toxicological Information**

EXPOSURE LIMITS	IRRITANCY OF PRODUCT	SENSITIZATION TO PRODUCT	CARCINOGENICITY
Sulfuric acid, OSHA TWA 1 mg/m <sup>3</sup>	Skin: Corrosive Eyes: Corrosive	May be a skin sensitizer	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 local regulations.

**SECTION 14 - Transportation Information**

Sulfuric Acid with less than 51% acid, Class 8, UN2796, PG II (Shipped as limited quantity)

**SECTION 15 - Regulatory Information**

Reportable Quantity: 1,000 lb. - sulfuric acid

**SECTION 16 - Other Information**

Canadian WHMIS Classification: E (Corrosive liquid)