

# SAFETY DATA SHEET

## SECTION 1 - General Information

PRODUCT NAME	HR Simon AUTO-CHEM DEVELOPER				Updated:	6/1/2015	
PRODUCT USE	Photographic Solution	HMIS SCALE:	Health 1	Flamability 0	Reactivity 0	PPE	C
SUPPLIER	White Mountain Imaging	CATALOG #:		S40-020, S40-023			
ADDRESS	PO Box 216 Salisbury, NH 03268			L40-020, L40-023			
PHONE NO	603-648-2124	EMERGENCY TEL #	CHEMTREC 800-424-9300	G40-020, G40-023			

## SECTION 2 - Hazards Identification

### Precautionary Statement.

Oral: May be harmful if swallowed  
Skin: May cause mild skin irritation or reaction.  
Eye: May cause eye irritation

EFFECTS OF CRONIC EXPOSURE TO PRODUCT

None known.

(n/c: not within OSHA classification limits.)

### Category

OSHA/GHS	GHS
n/c	5
n/c	5
2B	2B

### WARNING

## SECTION 3 - Product & Hazardous Ingredients Information

HAZARDOUS INGREDIENTS	CAS NUMBER	W/W %	Permissible Exposure Limit	LD50
Water	7732-18-5	75-85	Not listed	42.6gm/kg
Sodium metabisulfite	7681-57-4	< 4	NOIOSH TWA 5 mg/m3	2000 mg/kg
Hydroquinone	123-31-9	< 2	OSHA TWA 2 mg/m3	375 mg/kg
Potassium hydroxide	1310-58-3	< 3	NIOSH © 2mg/m3	365 mg/kg

## 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

Flamability YES ☐ NO ☒ IF YES UNDER WHAT CONDITIONS

### MEANS OF EXTINGUISHING

As needed to extinguish adjacent fire source.

FLASH POINT (C/F) AND METHOD	UPPER LIMIT ( % BY VOLUME)	LOWER LIMIT ( % BY VOLUME)	AUTOIGNITION TEMPERATURE (C/F)
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 appropriate protective equipment.

## SECTION 7 - Handling and Storage

Read and follow the label, 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.

# HR Simon AUTO-CHEM DEVELOPER

## SECTION 8 - Exposure Controls

VENTILLATION Good general ventilation  
SKIN Latex or nitrile EYE: Splash goggles RESPIRATORY Not normally required  
OTHER Eye wash station

## SECTION 9 - Physical & Chemical Properties

PHYSICAL STATE	ODOR & APPEARANCE			ODOR THRESHOLD
Liquid	Light yello, odorless solution.			Not available
VAPOR PRESSURE (mm-Hg)	VAPOR 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	COEFF WATER/OIL	%VOLATILE (BY VOLUME)
10.20	1.08	Complete	N/A	80-90% as water

## SECTION 10 - Stability & Reactivity Data

CHEMICAL STABILITY IF NO, UNDER WHAT CONDITIONS  
YES ☒ NO ☐  
INCOMPATIBLE WITH OTHER SUBSTANCES IF YES, WHICH ONES?  
YES ☒ NO ☐ Strong oxidizing agent and strong acids.  
REACTIVITY AND UNDER WHAT CONDITIONS Stable under ambient pressure and temperature  
HAZARDOUS DECOMPOSITION PRODUCTS None

## SECTION 11 - Toxicological Information

EXPOSURE LIMITS	IRRITANCY OF PRODUCT	SENSITIZATION TO PRODUCT	CARCINOGENICITY
None known	Skin: Irritant	None known	Not listed by IARC, OSHA, or ACGIH
TERATOGENICITY	REPRODUCTIVE TOXICITY	MUTAGENICITY	SYNERGISTIC PRODUCTS
None Known	Not Known	None known	None 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 Hydroquinone 5000 lb, Potassium hydroxide 1000 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 SDS 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.

# SAFETY DATA SHEET

## SECTION 1 - General Information

PRODUCT NAME **HR Simon AUTO-CHEM FIXER** Updated: **6/1/2015**

PRODUCT USE **Photographic Solution** HMIS SCALE: Health **1** Flammability **0** Reactivity **0** PPE **C**

SUPPLIER **White Mountain Imaging** CATALOG #: **S40-020, S40-025**

ADDRESS **PO Box 216 Salisbury, NH 03268** **L40-025, G40-025**

PHONE NO **603-648-2124** EMERGENCY TEL # **CHEMTREC 800-424-9300** **52598**

## SECTION 2 - Hazards Identification

### Precautionary Statement.

Skin: May cause mild skin irritation and or reaction.  
Eye: Can cause irritation of eyes and mucous membranes.  
Oral: May be harmful if swallowed

EFFECTS OF CRONIC EXPOSURE TO PRODUCT

None known.

(n/c: not within OSHA classification limits.)

### Category

OSHA/GHS	GHS
n/c	5
2B	2B
n/c	5

### WARNING

## SECTION 3 - Product & Hazardous Ingredients Information

HAZARDOUS INGREDIENTS	CAS NUMBER	W/W %	Permissible Exposure Limit	LD50
Water	7732-18-5	90-95	Not listed	42.6 gm/kg
Ammonium Thiosulfate	7783-18-8	8-12	Not listed	2890 mg/kg
Sodium Sulfite	7757-83-7	<2	Not listed	2825 mg/kg
Sodium Acetate	127-09-03	< 2	Not listed	3530 mg/kg

## 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

Flamability YES ☐ NO ☒ IF YES UNDER WHAT CONDITIONS

### MEANS OF EXTINGUISHING

As needed to extinguish adjacent fire source.

FLASH POINT (C/F) AND METHOD	UPPER LIMIT (% BY VOLUME)	LOWER LIMIT (% BY VOLUME)	AUTOIGNITION TEMPERATURE (C/F)
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

## 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, 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.

# HR Simon AUTO-CHEM FIXER

## SECTION 8 - Exposure Controls

VENTILLATION Good general ventilation  
SKIN Latex or nitrile EYE: Splash goggles RESPIRATORY Not normally required  
OTHER Eye wash station

## SECTION 9 - Physical & Chemical Properties

PHYSICAL STATE Liquid	ODOR & APPEARANCE Clear colorless liquid with slight vinegar odor.	ODOR THRESHOLD Not available
VAPOR PRESSURE (mm-Hg) <17 mm Hg	VAPOR DENSITY (Air=1) 0.6 mm Hg	EVAPORATION RATE (Water=1) Not Available
pH 4.40	SPECIFIC GRAVITY 1.085	BOILING POINT > 212 F
	SOLUBILITY IN WATER Complete	FREEZING POINT < 32 F
		COEFF WATER/OIL N/A
		%VOLATILE (BY VOLUME) 80-90% as water

## SECTION 10 - Stability & Reactivity Data

CHEMICAL STABILITY YES ☒ NO ☐ IF NO, UNDER WHAT CONDITIONS  
INCOMPATIBLE WITH OTHER SUBSTANCES YES ☒ NO ☐ IF YES, WHICH ONES?  
Strong reducing agents & Strong bases.  
REACTIVITY AND UNDER WHAT CONDITIONS Stable under ambient pressure and temperature  
HAZARDOUS DECOMPOSITION PRODUCTS Sulfur dioxide & ammonia

## SECTION 11 - Toxicological Information

EXPOSURE LIMITS None known	IRRITANCY OF PRODUCT Skin: Irritant	SENSITIZATION TO PRODUCT None known	CARCINOGENICITY Not listed by IARC, OSHA, or ACGIH
TERATOGENICITY None Known	REPRODUCTIVE TOXICITY Not Known	MUTAGENICITY None known	SYNERGISTIC PRODUCTS None 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 Ammonium Thiosulfate 5000 lb.  
SARA Section 304, CERCLA Hazardous components - Ammonium Thiosulfate  
SARA Section 302,304,313 Hazardous components (None)  
Not a controlled product under Canadian WHMIS regulation

## SECTION 16 - Other Information

The information contained in this SDS 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.