

SAFETY DATA SHEET

SECTION 1 - General Information

PRODUCT NAME	HR Simon Chemblend, Chemblend ClinicPack & Industrial Fixers Concentrate Part A						
PRODUCT USE	Photographic Solution	HMIS SCALE: Health	1	Flamability 0	Reactivity 0	PPE	C
SUPPLIER	White Mountain Imaging			CATALOG #:			
ADDRESS	PO Box 216 Salisbury, NH 03268			HRS-S60-049, HRS-S72-028			
PHONE NO	603-648-2124	EMERGENCY TEL #	CHEMTREC 800-424-9300		HRS-S72-028P, HRS-S60-051		
				HRS-S50-160			

SECTION 2 - Hazards Identification

Precautionary Statement.

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

Classification

5
2A
3

WARNING



EFFECTS OF CRONIC EXPOSURE TO PRODUCT

None known.

SECTION 3 - Product & Hazardous Ingredients Information

HAZARDOUS INGREDIENTS	CAS #	W/W %	Permissible Exposure Limit	LD50
Water	7732-18-5	40-50	Not listed	42.6 gm/kg
Ammonium Thiosulfate	7783-18-8	30-40	Not listed	2890 mg/kg
Sodium Sulfite	7757-83-7	5-10	Not listed	2825 mg/kg
Acetic Acid	64-19-7	1 - 3%	OSHA TWA 10 ppm	3310 mg/kg

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

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

Not appropriate

UPPER LIMIT (% BY VOLUME)

Not appropriate

LOWER LIMIT (% BY VOLUME)

Not appropriate

AUTOIGNITION TEMPERATURE (C/F)

Not appropriate

HAZARDOUS COMBUSTION PRODUCTS

"See Hazardous Decomposition Products"

EXPLOSION DATA SENSITIVITY TO IMPACT

Not susceptible

SENSITIVITY TO STATIC DISCHARGE

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.

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 & Chemical Properties

PHYSICAL STATE Liquid	ODOR & APPEARANCE Clear, colorless 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	BOILING POINT > 212 F	FREEZING POINT < 32 F
pH 5.20	SPECIFIC GRAVITY 1.32	SOLUBILITY IN WATER Complete	COEFF WATER/OIL N/A	%VOLATILE (BY VOLUME) 50% 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 Acetic acid 10 ppm	IRRITANCY OF PRODUCT May be irritating to skin. May be irritating to eyes.	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, Acetic acid 500 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.

SAFETY DATA SHEET

SECTION 1 - General Information

PRODUCT NAME	HR Simon Chemblend, Chemblend ClinicPack & Industrial Fixers Concentrate Part B						
PRODUCT USE	Photographic Solution	HMIS SCALE: Health	1	Flamability 0	Reactivity 0	PPE	C
SUPPLIER	White Mountain Imaging			CATALOG #:			
ADDRESS	PO Box 216 Salisbury, NH 03268			HRS-S60-049, HRS-S72-028			
PHONE NO	603-648-2124	EMERGENCY TEL #	CHEMTREC 800-424-9300		HRS-S72-028P, HRS-S60-051		
					HRS-S50-160		

SECTION 2 - Hazards Identification

Precautionary Statement.

Skin: May cause mild skin irritation.
Eye: Causes serious eye irritation on contact.
Oral: Harmful if swallowed and enters airways.

Classification

5
2A
2

WARNING



EFFECTS OF CRONIC EXPOSURE TO PRODUCT

None known.

SECTION 3 - Product & Hazardous Ingredients Information

HAZARDOUS INGREDIENTS	CAS #	W/W %	Permissible Exposure Limit	LD50
Water	7732-18-5	70 - 80 %	Not listed	42.6 gm/kg
Aluminum sulfate	10043-01-3	20 - 30 %	Not Listed	2000 mg/kg

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

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

Not appropriate

UPPER LIMIT (% BY VOLUME)

Not appropriate

LOWER LIMIT (% BY VOLUME)

Not appropriate

AUTOIGNITION TEMPERATURE (C/F)

Not appropriate

HAZARDOUS COMBUSTION PRODUCTS

"See Hazardous Decomposition Products"

EXPLOSION DATA SENSITIVITY TO IMPACT

Not susceptible

SENSITIVITY TO STATIC DISCHARGE

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.

SECTION 8 - Exposure Controls

VENTILLATION Good general ventillation
 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/white or creamy liquid.			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	BOILING POINT > 212 F	FREEZING POINT < 32 F
pH 3.5 (1% Solution)	SPECIFIC GRAVITY 1.33	SOLUBILITY IN WATER Complete	COEFF WATER/OIL N/A	%VOLATOILE (BY VOLUME) 70% AS WATER

SECTION 10 - Stability & Reactivity Data

CHEMICAL STABILITY YES NO IF NO, UNDER WHAT CONDITIONS
 INCOMPATABLE WITH OTHER SUBSTANCES YES NO IF YES, WHICH ONES?
 REACTIVITY AND UNDER WHAT CONDITIONS **Stable under ambient pressure and temperature**
 HAZARDOUS DECOMPOSITION PRODUCTS **At elevated temperatures sulfur oxides may be formed.**

SECTION 11 - Toxicological In formation

EXPOSURE LIMITS Aluminum sulfate 2 mg/M3	IRRITANCY OF PRODUCT Skin: possible irritant Eyes: Irritating on contact.	SENSITIZATION TO PRODUCT None known	CARCINOGENICITY No carcinogenic chemicals in this product
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 for quantities less than 5000 lb.
 (Aluminum sulfate, class 9, UN 3082, PG III for quantities greater than 5000 lbs.)

SECTION 15 - Regulatory Information

SARA Section 304, CERCLA Hazardous components (none)
 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.

SAFETY DATA SHEET

SECTION 1 - General Information

PRODUCT NAME	HR Simon Chemblend, Chemblend ClinicPack & Industrial Fixers Working Solution						
PRODUCT USE	Photographic Solution	HMIS SCALE: Health	1	Flamability 0	Reactivity 0	PPE	C
SUPPLIER	White Mountain Imaging			CATALOG #:			
ADDRESS	PO Box 216 Salisbury, NH 03268			HRS-S60-049, HRS-S72-028			
PHONE NO	603-648-2124	EMERGENCY TEL #	CHEMTREC 800-424-9300		HRS-S72-028P, HRS-S60-051		
					HRS-S50-160		

SECTION 2 - Hazards Identification

Precautionary Statement.

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

Classification

5
2A
3

WARNING



EFFECTS OF CRONIC EXPOSURE TO PRODUCT

None known.

SECTION 3 - Product & Hazardous Ingredients Information

HAZARDOUS INGREDIENTS	CAS #	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
Aluminum Sulfate solution	10043-01-3	< 2%	ACGIH TWA 2 mg/m3	2000 mg/kg

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

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

Not appropriate

UPPER LIMIT (% BY VOLUME)

Not appropriate

LOWER LIMIT (% BY VOLUME)

Not appropriate

AUTOIGNITION TEMPERATURE (C/F)

Not appropriate

HAZARDOUS COMBUSTION PRODUCTS

"See Hazardous Decomposition Products"

EXPLOSION DATA SENSITIVITY TO IMPACT

Not susceptible

SENSITIVITY TO STATIC DISCHARGE

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.

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 & Chemical Properties

PHYSICAL STATE Liquid	ODOR & APPEARANCE Clear, colorless 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	BOILING POINT > 212 F	FREEZING POINT < 32 F
pH 4.30	SPECIFIC GRAVITY 1.085	SOLUBILITY IN WATER Complete	COEFF WATER/OIL N/A	%VOLATOILE (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 May be irritating to skin.	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, Acetic acid 500 lb.
 SARA Section 304, CERCLA Hazardous components - Ammonium Thiosulfate
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