

## **SAFETY DATA SHEETS**

**This SDS packet was issued with item:**

075365622

**The safety data sheets (SDS) in this packet apply to the individual products listed below. Please refer to invoice for specific item number(s).**

075365507 075365515 077324544

**The safety data sheets (SDS) in this packet apply to one or more components included in the items listed below. Items listed below may require one or more SDS. Please refer to invoice for specific item number(s).**

075365598 075365606 075365614

# MATERIAL SAFETY DATA SHEET

## SECTION 1 - General Information

PRODUCT NAME **ABX™ Developer Premixed**

PRODUCT USE	Photographic solution	HMIS SCALE	HEALTH <b>1</b>	FLAMMABILITY <b>0</b>	REACTIVITY <b>0</b>	PPE <b>C</b>
SUPPLIER	White Mountain Imaging	CATALOG #		NS-204 NS-324		
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	85-95	not listed	42.6 gm/kg	not available
Hydroquinone	123-31-9	<2	OSHA TWA 2 mg/m3	320 mg/kg	not available
Sodium metabisulfite	7681-57-4	<3	NIOSH TWA 5 mg/m3	2000 mg/kg	not available
Potassium hydroxide	1310-58-3	<3	NIOSH (C) 2 mg/m3	365 mg/kg	not available

## SECTION 3 - Hazards Identification

### EFFECTS OF ACUTE EXPOSURE TO PRODUCT

Harmful if swallowed. May cause burning or irritation of eyes and mucous membranes. May cause mild skin irritation and or allergic reaction. Prolonged inhalation of vapors may be irritating and cause headaches

### 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

**DO NOT** induce vomiting. 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 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 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**

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 Pale red odorless liquid			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 10.20	SPECIFIC GRAVITY 1.060	SOLUBILITY IN WATER (20°C) Complete	COEFF WATER OIL Not available	PERCENT VOLATILE (BY VOLUME) 90-95%

**SECTION 10 - Stability and Reactivity Data**

CHEMICAL STABILITY YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	IF NO, UNDER WHAT CONDITIONS Mixing with fixer will cause ammonia gas. This will dissipate quickly as pH is neutralized.
INCOMPATIBILITY WITH OTHER SUBSTANCES YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	IF YES, WHICH ONES?
REACTIVITY, AND UNDER WHAT CONDITIONS	Stable under ambient pressure and temperature.
HAZARDOUS DECOMPOSITION PRODUCTS	None known

**SECTION 11 - Toxicological Information**

EXPOSURE LIMITS Hydroquinone 2 mg/m3 Potassium hydroxide 2 mg/m3	IRRITANCY OF PRODUCT None known	SENSITIZATION TO PRODUCT None known	CARCINOGENICITY Not listed by IARC, OSHA or ACGIH.
TERATOGENICITY Not known	REPRODUCTIVE TOXICITY Not known	MUTAGENICITY Not known	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**

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 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.

# SAFETY DATA SHEET

## SECTION 1 - General Information

PRODUCT NAME	<b>ABX™ Fixer Premixed</b>								
PRODUCT USE	Photographic Solution	HMIS SCALE: Health	1	Flamability	0	Reactivity	0	PPE	<b>C</b>
SUPPLIER	White Mountain Imaging	CATALOG #:							
ADDRESS	PO Box 216 Salisbury, NH 03268				NS-204, NS-324				
PHONE NO	<b>603-648-2124</b>	EMERGENCY TEL #	<b>CHEMTREC 800-424-9300</b>						

## SECTION 2 - Hazards Identification

Precautionary Statement.	Category		<b>WARNING</b>
	OSHA/GHS	GHS	
Skin: May cause mild skin irritation and or reaction.	n/c	5	
Eye: Can cause irritation of eyes and mucous membranes.	2B	2B	
Oral: May be harmful if swallowed	n/c	5	
EFFECTS OF CRONIC EXPOSURE TO PRODUCT	(n/c: not within OSHA classification limits.)		
None known.			

## 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

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.

# ABX™ Fixer Premixed

## 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 Light Blue 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	BOILING POINT > 212 F	FREEZING POINT < 32 F
pH 4.40	SPECIFIC GRAVITY 1.085	SOLUBILITY IN WATER Complete	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.

# SAFETY DATA SHEET

## SECTION 1 - General Information

PRODUCT NAME	<b>ABX™ Developer Premixed</b>								
PRODUCT USE	Photographic Solution	HMIS SCALE: Health	1	Flamability	0	Reactivity	0	PPE	C
SUPPLIER	White Mountain Imaging	CATALOG #:			NS-204, NS-324				
ADDRESS	PO Box 216 Salisbury, NH 03268								
PHONE NO	603-648-2124	EMERGENCY TEL #	CHEMTREC 800-424-9300						

## SECTION 2 - Hazards Identification

### Precautionary Statement.

	Category		<b>WARNING</b>
	OSHA/GHS	GHS	
Oral: May be harmful if swallowed	n/c	5	
Skin: May cause mild skin irritation or reaction.	n/c	5	
Eye: May cause eye irritation	2B	2B	

### EFFECTS OF CRONIC EXPOSURE TO PRODUCT

None known. (n/c: not within OSHA classification limits.)

## 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

## 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	Light red, odorless solution.		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	10.20	SPECIFIC GRAVITY	1.08	SOLUBILITY IN WATER	Complete	COEFF WATER/OIL	N/A	%VOLATOILE (BY VOLUME)	80-90% as water

**SECTION 10 - Stability & Reactivity Data**

CHEMICAL STABILITY	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>	IF NO, UNDER WHAT CONDITIONS
INCOMPATIBLE WITH OTHER SUBSTANCES	YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>	IF YES, WHICH ONES? Strong oxidizing agent and strong acids.
REACTIVITY AND UNDER WHAT CONDITIONS	Stable under ambient pressure and temperature		
HAZARDOUS DECOMPOSITION PRODUCTS	None		

**SECTION 11 - Toxicological In formation**

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.