

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 1	FLAMMABILITY 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 - 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

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

SECTION 2 - Hazards Identification

Precautionary Statement.	Category		WARNING
	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			
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	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	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

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 Blue liquid with slight vinegar odor.			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)
4.40	1.085	Complete	N/A	80-90% as water

SECTION 10 - Stability & Reactivity Data

CHEMICAL STABILITY	IF NO, UNDER WHAT CONDITIONS		
YES	<input checked="" type="checkbox"/>	NO	<input type="checkbox"/>
<hr/>			
INCOMPATIBLE WITH OTHER SUBSTANCES	IF YES, WHICH ONES?		
YES	<input checked="" type="checkbox"/>	NO	<input type="checkbox"/>
Strong reducing agents & Strong bases.			
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REACTIVITY AND UNDER WHAT CONDITIONS	Stable under ambient pressure and temperature		
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HAZARDOUS DECOMPOSITION PRODUCTS	Sulfur dioxide & ammonia		

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

SECTION 2 - Hazards Identification

Precautionary Statement.

	Category		WARNING
	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	ODOR & APPEARANCE			ODOR THRESHOLD
Liquid	Light red, 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	%VOLATOILE (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	<input checked="" type="checkbox"/>	NO <input type="checkbox"/>
<hr/>		
INCOMPATIBLE WITH OTHER SUBSTANCES	IF YES, WHICH ONES?	
YES	<input checked="" type="checkbox"/>	NO <input type="checkbox"/> Strong oxidizing agent and strong acids.
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REACTIVITY AND UNDER WHAT CONDITIONS	Stable under ambient pressure and temperature	
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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.