

SAFETY DATA SHEETS

This SDS packet was issued with item:

075365606

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 075365614 075365622

MATERIAL SAFETY DATA SHEET

SECTION 1 - General Information

PRODUCT NAME **ABX™ Fixer Premixed**

| | | | | | | | | | | | |
|-------------|-------------------------------|--|----------------------------|-----------------------|---|--------------|---|------------|---|-----|---|
| PRODUCT USE | Photographic solution | | HMIS SCALE | HEALTH | 1 | FLAMMABILITY | 0 | REACTIVITY | 0 | PPE | C |
| SUPPLIER | White Mountain Imaging | | CATALOG # NS-304 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 | not listed | 42.6 gm/kg | not available |
| Ammonium thiosulfate | 7783-18-8 | <15 | not listed | 2890 mg/kg | not available |
| Sodium sulfite | 7757-83-7 | <3 | not listed | 2825 mg/kg | not available |
| Acetic acid | 64-19-7 | <2 | OSHA TWA 10 ppm | 3310 mg/kg | 5620 -1h |

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

OTHER Eye wash station

SECTION 9 - Physical and Chemical Properties

| | | | | |
|--------------------------------------|--|---|----------------------------------|--|
| PHYSICAL STATE Liquid | ODOR AND APPEARANCE Light blue 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 4.40 | SPECIFIC GRAVITY 1.085 | SOLUBILITY IN WATER (20°C) Complete | COEFF WATER OIL Not available | PERCENT VOLATILE (BY VOLUME) 90-85% |

SECTION 10 - Stability and Reactivity Data

| | |
|--|---|
| CHEMICAL STABILITY YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> | IF NO, UNDER WHAT CONDITIONS Mixing with developer 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 Acetic acid 10 ppm | 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 Ammonium Thiosulfate 5000 lb, Acetic acid 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 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™ 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 ☒ 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.