

MATERIAL SAFETY DATA SHEET

SECTION 1 - General Information

PRODUCT NAME **MDX™ Fixer Concentrate**

| | | | | | | |
|-------------|-------------------------------|-----------------|------------------------------|-----------------------|---------------------|--------------|
| PRODUCT USE | Photographic processing | HMIS SCALE | HEALTH 1 | FLAMMABILITY 0 | REACTIVITY 0 | PPE B |
| SUPPLIER | White Mountain Imaging | CATALOG # | | NS-432 | | |
| 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 | 150 | not listed | 42.6 gm/kg | not available |
| Ammonium thiosulfate | 7783-18-8 | <35 | not listed | 2890 mg/kg | not available |
| Sodium sulfite | 7757-83-7 | <5 | not listed | 2825 mg/kg | not available |
| Acetic acid | 64-19-7 | <3 | OSHA TWA 10 ppm | 3310 mg/kg | 5620 -1h |
| Aluminum sulfate | 10043-01-3 | <3 | ACGIH TWA 2mg/m3 | 6201 mg/kg | not available |

SECTION 3 - Hazards Identification

EFFECTS OF ACUTE EXPOSURE TO PRODUCT

Harmful if swallowed. May cause irritation of eyes and mucous membranes. May cause mild skin irritation and or allergic reaction. Prolonged inhalation of fumes 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 EXTINGUISHION

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 splash goggles, impervious gloves and apron.

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 Clear white liquid with a slight floral fragrance | | | 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 4.80 | SPECIFIC GRAVITY 1.110 | SOLUBILITY IN WATER (20°C) Complete | COEFF WATER OIL Not available | PERCENT VOLATILE (BY VOLUME) Not available |

SECTION 10 - Stability and Reactivity DataCHEMICAL STABILITY YES NO IF NO, UNDER WHAT CONDITIONS

INCOMPATIBILITY WITH OTHER SUBSTANCES

YES NO

IF YES, WHICH ONES?

None with the materials and products which this product is designed for use with.

REACTIVITY, AND UNDER WHAT CONDITIONS

Stable under ambient pressure and temperature.

HAZARDOUS DECOMPOSITION PRODUCTS

None known

SECTION 11 - Toxicological Information

EXPOSURE LIMITS

See section 2

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 transport.

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 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.