

A.M.T.S. MATERIAL SAFETY DATA SHEET

REVISED
6/27/2003

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

MSDS CODE **SSFXB5M**
TRADE NAME **B*5 FIXATIVE WITH MERCURIC CHLORIDE**
PRODUCT DESCRIPTION **Tissue Fixative**

SUPPLIER: **AMERICAN MASTER*TECH SCIENTIFIC, INC.
P.O. BOX 2539
LODI, CA 95241-2539
(209) 368-4031**

IN CASE OF EMERGENCY CONTACT INFOTRAC: 800-535-5053 (24 HOURS)

SECTION 2: COMPOSITION AND INFORMATION ON INGREDIENTS

<u>NAME</u>	<u>CAS #</u>	<u>OSHA PEL TWA</u>	<u>OSHA STEL</u>	<u>ACGIH TLV</u>	<u>ACGIH STEL</u>
WATER	7732-18-5	N/E	N/E	N/E	N/E
SODIUM ACETATE, ANHYDROUS	127-09-3	N/E	N/E	N/E	N/E
MERCURIC CHLORIDE	7487-94-7	0.05 mg/M3 Inhalation	N/E	0.025 mg/M3 Skin	N/E

N/E = EXPOSURE LIMITS ARE NOT ESTABLISHED

A = ACTION LEVEL

C = THRESHOLD LEVEL VALUE, CEILING

S = SKIN CONTACT

SECTION 3: PHYSICAL AND CHEMICAL PROPERTIES**APPEARANCE / ODOR**

Colorless transparent liquid; odorless.

SPECIFIC GRAVITY

1

SOLUBILITY IN WATER

Soluble

VAPOR DENSITY

N/A

VAPOR PRESSURE

N/A

EVAPORATION RATE

N/A

MELTING POINT

N/A

BOILING POINT

100° C

FLASH POINT

Aqueous Solution

AUTO-IGNITION TEMP

Aqueous Solution

LOWER EXPLOSIVE LIMIT IN AIR

Aqueous Solution

UPPER EXPLOSIVE LIMIT IN AIR

Aqueous Solution

SECTION 4: FIRE AND EXPLOSION INFORMATION**WATER SPRAY**

YES

CARBON DIOXIDE

YES

FOAM, ALCOHOL / CHEMICAL

CHEMICAL

DRY CHEMICAL

NO

OTHER

N/A

SPECIAL FIRE FIGHTING PROCEDURES

Wear appropriate personal protection equipment, including a self-contained breathing apparatus (S.C.B.A.).

UNUSUAL FIRE / EXPLOSION HAZARDS

When heated to decomposition, product may emit toxic fumes.

SECTION 5: REACTIVITY AND STABILITY DATA**STABILITY**

Stable

INCOMPATIBLE MATERIALS

Acids, alkalis, bromides, carbonates, iron, lead, metals, phosphates, potassium, sodium, sulfates.

HAZARDOUS DECOMPOSITION PRODUCTS

Mercury oxides.

HAZARDOUS POLYMERIZATION

Not reported.

HAZARDOUS POLYMERIZATION CONDITIONS TO AVOID

None known.

SECTION 6: ACCIDENTAL RELEASE MEASURES AND DISPOSAL CONSIDERATIONS:**SPILL RESPONSE PROCEDURES**

Use appropriate personal protection equipment and standard laboratory safety procedures for cleanup. Wipe up or absorb spill using a dry inert material and place in a suitable waste container. Clean spill area thoroughly using soap and water.

WASTE DISPOSAL PROCEDURE

Dispose all waste in accordance with local, state, and federal regulations.

SECTION 7: HAZARDS IDENTIFICATION:**SYMPTOMS OF ACUTE OVEREXPOSURE****INHALATION**

Not an expected route of exposure.

CONTACT WITH EYES

May irritate eyes, with stinging, burning, watering, inflammation.

CONTACT WITH SKIN

May irritate skin, with itching, stinging, inflammation.

INGESTION

May be extremely dangerous if ingested! May irritate gastrointestinal system, with nausea, vomiting, diarrhea.

SYMPTOMS AND HEALTH EFFECTS OF CHRONIC EXPOSURE**INHALATION**

Unknown.

EYE CONTACT

May cause Mercurialentis (brown mercury deposits in the lens of the eye), with visual defects.

SKIN CONTACT

Repeated skin exposure may cause allergic contact dermatitis.

INGESTION

May cause excessive salivation, muscle weakness, short term memory loss, personality changes.

FIRST AID MEASURES:**EYE CONTACT**

Remove contact lenses if worn and flush eyes with copious amounts of water or buffered saline eye wash solution.
Get medical attention.

SKIN CONTACT

Remove contaminated clothing and wash contact area thoroughly with mild soap and plenty of water.
Get medical attention.

INHALATION

Remove person to fresh air and treat symptomatically.
Get medical attention if symptoms worsen.

INGESTION

Get immediate medical attention.

SECTION 7: HAZARDS IDENTIFICATION, continued**CARCINOGENICITY****NTP**

3 (Equivocal evidence)

IARC

Not listed.

OSHA

Not listed.

CALIFORNIA PROPOSITION 65 WARNINGS

This product contains Mercuric chloride (a mercury compound), which the State of California has found to cause reproductive toxicity and birth defects..

EPCRA SECTION 313 SUPPLIER NOTIFICATION

This product contains the following chemical, which is subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-To-Know Act [EPCRA, formerly SARA] of 1986 (40 CFR 372):
Mercuric Chloride; CAS Number 7487-94-7; Percent by Weight: 5.25%.

NOTE: This information must be included in all MSDS's that are copied and distributed for this material.

MEDICAL CONDITIONS AGGRAVATED BY PROLONGED EXPOSURE

May affect genetic material and cause adverse reproductive effects, including fetotoxicity, developmental abnormalities, fertility.

SECTION 8: HANDLING INFORMATION / EXPOSURE CONTROLS**HMIS HAZARD CODES****HEALTH HAZARD**

3 High: Avoid all contact. Small exposure may result in injury.

FIRE HAZARD

0 Non-Flammable: No significant risk of fire or explosion.

REACTIVITY

0 Non-Reactive: Will not react with water or most inert chemicals.

EQUIPMENT

B Wear chemical apron, gloves, and splash goggles in addition to all standard laboratory safety equipment.

VENTILATION

Local Dilution Exhaust

PERSONAL HYGIENE

Wash hands thoroughly with soap and water before eating or drinking.

NOTICE TO READER: American Master*Tech Scientific Inc. believes the information contained in this Material Safety Data Sheet (MSDS) is current as of the Revision Date, but can not guarantee that the information is all inclusive. Any chemical may pose unknown hazards; if this product is combined with other materials, deteriorates, or becomes contaminated, it may pose hazards not mentioned in this MSDS. User is responsible for determining appropriate methods of personal protection, handling, use, storage, and disposal of this product. User assumes all liability for any incidental or consequential damage resulting from the use of this product.