

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

REVISED
8/22/2011

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

MSDS CODE **SSFXB5Z**
TRADE NAME **B*5 FIXATIVE WITH ZINC 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
ZINC CHLORIDE	7646-85-7	N/E	N/E	1.0 mg/M3	2.0 mg/M3
ACETIC ACID	64-19-7	10 PPM	N/E	10 PPM	15 PPM

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

N/A

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

N/A

UPPER EXPLOSIVE LIMIT IN AIR

N/A

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

UNUSUAL FIRE / EXPLOSION HAZARDS

N/A

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

Stable

INCOMPATIBLE MATERIALS

Strong bases.

HAZARDOUS DECOMPOSITION PRODUCTS

Oxides of zinc, sodium.

HAZARDOUS POLYMERIZATION

Will not occur.

HAZARDOUS POLYMERIZATION CONDITIONS TO AVOID

N/A

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

Use personal protection equipment and standard laboratory safety procedures for cleanup. Absorb spill and collect waste in a designated waste container. Clean spill area with 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**

N/A

CONTACT WITH EYES

May irritate eyes, with redness, excessive tearing, and discomfort.

CONTACT WITH SKIN

N/A

INGESTION

N/A

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

N/A

EYE CONTACT

N/A

SKIN CONTACT

N/A

INGESTION

N/A

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 if irritation develops.

INHALATION

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

INGESTION

Get medical attention.

SECTION 7: HAZARDS IDENTIFICATION, continued

CARCINOGENICITY

NTP
Not listed.

IARC
Not listed.

OSHA
Not listed.

CALIFORNIA PROPOSITION 65 WARNINGS

Not listed.

EPCRA SECTION 313 SUPPLIER NOTIFICATION

MEDICAL CONDITIONS AGGRAVATED BY PROLONGED EXPOSURE

N/A

SECTION 8: HANDLING INFORMATION / EXPOSURE CONTROLS

HMIS HAZARD CODES

HEALTH HAZARD

1 Minimal: Use standard safety procedures.

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.