

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

REVISED
5/28/2003

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

MSDS CODE
SSFXFQU

TRADE NAME
FIX*QUICK

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>
METHANOL	67-56-1	260 PPM	200 PPM	262 PPM	250 PPM-S
ETHANOL	64-17-5	1000 PPM	N/E	1000 PPM	N/E
GLYOXAL 40%	107-22-2	N/E	N/E	N/E	N/E
WATER	7732-18-5	N/E	N/E	N/E	N/E
FORMALDEHYDE	50-00-0	0.5 PPM-A	2.0 PPM	0.3 PPM-C	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; alcohol and formaldehyde odor.

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

N/A

FLASH POINT

N/A

AUTO-IGNITION TEMP

N/A

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

NO

FOAM, ALCOHOL / CHEMICAL

ALCOHOL

DRY CHEMICAL

YES

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

Under fire conditions, thermal decomposition may create flammable vapors and formaldehyde gas.

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

Stable

INCOMPATIBLE MATERIALS

Strong oxidizing agents.

HAZARDOUS DECOMPOSITION PRODUCTS

Carbon oxides, formaldehyde gas.

HAZARDOUS POLYMERIZATION

Not reported.

HAZARDOUS POLYMERIZATION CONDITIONS TO AVOID

None known.

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

Use personal protection equipment and standard laboratory safety procedures for cleanup. Keep away from heat, flame, ignition sources, and reactive materials. Wipe up or absorb spill using an inert material and place waste in an appropriate container for disposal. 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**

May cause irritation of the respiratory tract accompanied by coughing and nasal discomfort.

CONTACT WITH EYES

May cause inflammation of the eyes, characterized by redness, watering, itching.

CONTACT WITH SKIN

May irritate skin, with itching, inflammation, drying.

INGESTION

May irritate upper respiratory and gastrointestinal system, with nausea, vomiting, diarrhea.

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

Repeated or prolonged inhalation of vapors may lead to chronic respiratory irritation.

EYE CONTACT

Prolonged exposure will result in blindness.

SKIN CONTACT

Possible reproductive disorders from prolonged skin absorption.

INGESTION

Unknown.

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 affected area 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.

INGESTION

Get immediate medical attention.

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

2 (Reasonably anticipated) [Formaldehyde]

IARC

2A (Probable for human) [Formaldehyde]

OSHA

+ (PROVEN) [Formaldehyde]

CALIFORNIA PROPOSITION 65 WARNINGS

This product contains Formaldehyde, which the State of California has found to cause cancer.

EPCRA SECTION 313 SUPPLIER NOTIFICATION**MEDICAL CONDITIONS AGGRAVATED BY PROLONGED EXPOSURE**

This substance is toxic to blood, kidneys, liver, lungs; repeated or prolonged exposure can produce target organs damage.

SECTION 8: HANDLING INFORMATION / EXPOSURE CONTROLS**HMIS HAZARD CODES****HEALTH HAZARD****3** High: Avoid all contact. Small exposure may result in injury.**FIRE HAZARD****3** High: Very likely to ignite on contact with spark or flame.**REACTIVITY****0** Non-Reactive: Will not react with water or most inert chemicals.**EQUIPMENT****G** Use organic solvent rated respirator, chemical goggles, apron, and gloves in addition to all standard laboratory safety equipment.**VENTILATION**

Mechanical 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.