

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

REVISED
8/22/2011

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

MSDS CODE
SSFYBOU2

TRADE NAME
BOUIN'S 2000

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 PELTW</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
GLYOXAL	107-22-2	N/E	N/E	N/E	N/E
ETHYL ALCOHOL	64-17-5	1000 PPM	N/E	1000 PPM	N/E
ZINC CHLORIDE	7646-85-7	N/E	N/E	1.0 mg/M3	2.0 mg/M3
ETHYLENE GLYCOL	107-21-1	50 PPM	N/E	50 PPM	N/E
M.G.D.A.	6342-56-9	N/E	N/E	N/E	N/E
CITRIC ACID	77-92-9	N/E	N/E	N/E	N/E
SODIUM ACETATE, ANHYDROUS	127-09-3	N/E	N/E	N/E	N/E
FLUORESCEIN	518-47-8	N/E	N/E	N/E	N/E
FORMALDEHYDE (Less Than 0.1%)	50-00-0	0.5 PPM-A	2.0 PPM	0.3 PPM-C	N/E

**N/E = EXPOSURE LIMITS ARE NOT ESTABLISHED
C = THRESHOLD LEVEL VALUE, CEILING
PNOC = PARTICULATES NOT OTHERWISE CLASSIFIED**

**N/A = NOT AVAILABLE
ND = NUISANCE DUSTS**

**A = ACTION LEVEL
S = SKIN CONTACT**

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

Yellow transparent liquid; mild odor.

SPECIFIC GRAVITY

Approximately 1

SOLUBILITY IN WATER

Soluble

VAPOR DENSITY

N/A

VAPOR PRESSURE

N/A

EVAPORATION RATE

N/A

MELTING POINT

N/A

BOILING POINT

Approx... 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

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, flammable and/or toxic vapors may be produced.

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

Stable

INCOMPATIBLE MATERIALS

Strong oxidizers.

HAZARDOUS DECOMPOSITION PRODUCTS

Carbon 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. Keep material away from heat, flame, ignition sources, and reactive materials. Wipe up or absorb spill using an inert material and collect waste in a suitable container for disposal.

WASTE DISPOSAL PROCEDURE

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

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

May irritate respiratory system, with nose or throat irritation, coughing.

CONTACT WITH EYES

May irritate eyes, with stinging, inflammation, excessive tearing.

CONTACT WITH SKIN

May irritate skin, with stinging, itching, inflammation, drying.

INGESTION

May irritate gastrointestinal system, with nausea, vomiting, diarrhea.

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

Unknown.

EYE CONTACT

Unknown.

SKIN CONTACT

May cause dermatitis.

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 immediate 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.
If symptoms persist or worsen, 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**

Preexisting respiratory and skin disorders may be aggravated by exposure.

SECTION 8: HANDLING INFORMATION / EXPOSURE CONTROLS**HMIS HAZARD CODES****HEALTH HAZARD****2** Low: Avoid contact. High exposure may result in injury.**FIRE HAZARD****1** Slight: May ignite with difficulty by spark or flame.**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**

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.