

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

REVISED  
6/15/2004

## SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

MSDS CODE  
**SSFEXP**

TRADE NAME  
**ExCell PLUS**

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 (ETHANOL)	64-17-5	1000 PPM	N/E	1000 PPM	N/E
ETHYLENE GLYCOL	107-21-1	50 PPM	N/E	50 PPM	N/E
HYDROXYLIGNIN	NONE7	N/E	N/E	N/E	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  
RD = RESPIRABLE DUSTS**

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

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

Colorless to yellow transparent liquid; characteristic 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**

YES

**FOAM, ALCOHOL / CHEMICAL**

ALCOHOL

**DRY CHEMICAL**

YES

**OTHER**

N/A

**SPECIAL FIRE FIGHTING PROCEDURES**

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

**UNUSUAL FIRE / EXPLOSION HAZARDS**

Under fire conditions, combustible and/or flammable vapors may be produced.

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

Stable

**INCOMPATIBLE MATERIALS**

Acids, strong bases, 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 personal protection equipment and standard laboratory safety procedures for cleanup. Keep material away from heat, flame, ignition sources, and reactive materials. Wipe up spill or absorb using a dry inert material and place waste in an appropriate container. Clean spill area thoroughly 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 irritate the respiratory tract, characterized by discomfort or coughing.

**CONTACT WITH EYES**

May irritate eyes, with stinging, watering, inflammation.

**CONTACT WITH SKIN**

May irritate skin, with stinging, 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**

Unknown.

**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 contact area thoroughly with mild soap and plenty of water.  
Get medical attention if irritation develops.

**INHALATION**

Remove person to fresh air, keep at rest, and treat symptomatically.  
Get medical attention if symptoms worsen.

**INGESTION**

Get immediate 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**

Unknown.

**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.