

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

REVISED
8/8/2002

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

MSDS CODE
SSFXCAR

TRADE NAME
CARNOY'S FLUID

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>
ETHANOL	64-17-5	1000 PPM	N/E	1000 PPM	N/E
CHLOROFORM	67-66-3	2 PPM	N/E	10 PPM	N/E
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; strong 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**

NO

CARBON DIOXIDE

YES

FOAM, ALCOHOL / CHEMICAL

ALCOHOL

DRY CHEMICAL

YES

OTHER

N/A

SPECIAL FIRE FIGHTING PROCEDURES

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

UNUSUAL FIRE / EXPLOSION HAZARDS

Invisible vapors are heavier than air and may travel along ground to a distant ignition source and flash back.

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

Stable

INCOMPATIBLE MATERIALS

Acids, bases, metals, oxidizers.

HAZARDOUS DECOMPOSITION PRODUCTSCO, CO₂, hydrogen chloride.**HAZARDOUS POLYMERIZATION**

Not reported.

HAZARDOUS POLYMERIZATION CONDITIONS TO AVOID

N/A

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

Wear chemical resistant clothing, gloves, and eye protection. Wear NIOSH/MSHA approved breathing apparatus. Keep away from heat, flame, ignition sources, and reactive materials. Wipe up spill or absorb using absorbent material and place in an approved flammable waste container. Wash spill area thoroughly with soap and plenty of water.

WASTE DISPOSAL PROCEDURE

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

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

May cause severe irritation of the respiratory tract accompanied by coughing or nose and throat discomfort.

CONTACT WITH EYES

May irritate eyes, with redness, excess tearing, and discomfort. May cause chemical burns to the eyes and surrounding tissue.

CONTACT WITH SKIN

May irritate skin, with redness, itching, burning, and discomfort.

INGESTION

May cause severe abdominal discomfort accompanied by vomiting.

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

Prolonged exposure will cause chemical burning to the respiratory tract.

EYE CONTACT

Prolonged exposure will result in blindness.

SKIN CONTACT

N/A

INGESTION

N/A

FIRST AID MEASURES:**EYE CONTACT**

Remove contact lenses if worn and immediately 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 symptoms develop.

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**

2 (Some evidence) [Chloroform]

IARC

2B (Possible for human) [Chloroform]

OSHA

Not listed.

CALIFORNIA PROPOSITION 65 WARNINGS

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

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

N/A

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.