

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

REVISED
11/20/2003

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

MSDS CODE
SSCAMAS

TRADE NAME
MASTER*CLEAR CLEARING AGENT

PRODUCT DESCRIPTION
Clearing Agent

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>
D-LIMONENE, Technical Grade	5989-27-5	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

Yellow to water-white liquid; strong orange odor.

SPECIFIC GRAVITY

0.838 to 0.843 @ 25° C

SOLUBILITY IN WATER

Insoluble

VAPOR DENSITY

N/A

VAPOR PRESSURE

2 mm Hg @ 20° C

EVAPORATION RATE

Medium / Fast

MELTING POINT

N/A

BOILING POINT

175.5 to 176° C

FLASH POINT

46° C (closed cup)

AUTO-IGNITION TEMP

N/A

LOWER EXPLOSIVE LIMIT IN AIR

0.7%

UPPER EXPLOSIVE LIMIT IN AIR

6.1%

SECTION 4: FIRE AND EXPLOSION INFORMATION

WATER SPRAY

NO

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.). Smother to exclude air. Do not use water. Handle as an oil fire.

UNUSUAL FIRE / EXPLOSION HAZARDS

Combustible liquid. Keep away from heat, sparks, and open flame.

SECTION 5: REACTIVITY AND STABILITY DATA

STABILITY

Stable

INCOMPATIBLE MATERIALS

Strong oxidizing agents, acidic clays, peroxides, halogens, vinyl chloride, and iodine pentafluoride. Avoid temperatures over 46° C (115° F)

HAZARDOUS DECOMPOSITION PRODUCTS

Burning generates CO, CO₂, and smoke, which may be acrid and the fumes irritating.

HAZARDOUS POLYMERIZATION

None described.

HAZARDOUS POLYMERIZATION CONDITIONS TO AVOID

Polymerization catalysts such as aluminum chloride and acidic clays.

SECTION 6: ACCIDENTAL RELEASE MEASURES AND DISPOSAL CONSIDERATIONS:

SPILL RESPONSE PROCEDURES

Use gloves to avoid skin contact. Small spills can be wiped up. Large spills should be absorbed by dirt, sand, or other suitable absorbents for disposal. Do not hose spills down drains, sewers, or waterways. D-Limonene may be toxic to aquatic organisms. Move leaking containers to a well ventilated area; No smoking! Eliminate any source of ignition. Minimize inhalation; use a NIOSH approved respiratory protection device in areas of high vapor concentration. CAUTION: Slippery on floor.

WASTE DISPOSAL PROCEDURE

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

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

Inhalation can cause nose, throat, and respiratory tract irritation, coughing and headache.

CONTACT WITH EYES

Eye contact can cause moderate to high irritation.

CONTACT WITH SKIN

Skin contact may cause slight redness; D-Limonene is a potential skin sensitizer.

INGESTION

D-Limonene is harmful if swallowed. Ingestion may cause vomiting, headache, and other medical problems.

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

Unknown.

EYE CONTACT

Unknown.

SKIN CONTACT

Prolonged or repeated skin exposure can cause drying, defatting, and 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 medical attention if irritation persists.

SKIN CONTACT

Remove contaminated clothing and wash affected area with copious amounts of soap and water. Get medical attention if irritation develops.

INHALATION

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

INGESTION

Get immediate medical attention. Do not induce vomiting. If victim is conscious, rinse mouth with water, then drink one glass of water

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

None.

MEDICAL CONDITIONS AGGRAVATED BY PROLONGED EXPOSURE

Persons with allergies or preexisting skin conditions should avoid contact with this product.

SECTION 8: HANDLING INFORMATION / EXPOSURE CONTROLS

HMIS HAZARD CODES

HEALTH HAZARD

1 Minimal: Use standard safety procedures.

FIRE HAZARD

2 Low: May ignite under extreme heat, 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

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.