

MATERIAL SAFETY DATA SHEET (M.S.D.S.) - PAGE 2

PRODUCT NAME:

m.c.-250

AMERICAN NIAGARA • ATLANTA, GA USA  
(770) 441-5900 • FAX (770) 409-7240 OR 7259 • 1-800-241-7708

SECTION - 5 HEALTH HAZARD DATA

PRIMARY ROUTES OF ENTRY:

(X ) INHALATION (X ) INGESTION (X) SKIN ABSROPTION ( ) EYE ( ) NOT HAZARDOUS

ACUTE EFFECTS: May cause abdominal discomfort, nausea, vomiting and diarrhea. Dizziness and drowsiness may occur.

INHALATION: Vapor causes irritation of the respiratory tract with coughing and chest discomfort.

EYE CONTACT: Liquid causes irritation

SKIN CONTACT: Brief contact is not irritating

INGESTION: Moderately toxic. Aspiration may occur during swallowing or vomiting-lung damage.

CHRONIC EFFECTS: Repeated overexposure may cause liver damage.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: skin contact may aggravate existing dermatitis.

EMERGENCY FIRST AID PROCEDURES

EYE CONTACT: Immediately flush eyes with water and continue washing for several minutes, remove contact lenses. Obtain medical attention.

SKIN CONTACT: Remove contaminated clothing, wash skin with soap and water. Obtain medical attention if irritation persists.

INHALATION: Remove to fresh air. Give artificial respiration if not breathing. Obtain medical attention.

INGESTION: Do not induce vomiting. Obtain medical attention.

SECTION - 6 CONTROL & PROTECTIVE MEASURES

RESPIRATORY PROTECTION (SPECIFY TYPE)

PROTECTIVE GLOVES: Butyl Nitrite (NBR) Dvc Coated EYE PROTECTION: monogoggles

VENTILATION REQUIREMENTS: Adequate ventilation to ensure that tlv and pel are within safe ranges.

OTHER PROTECTIVE CLOTHING & EQUIPMENT:

Eye Bath, Safety Shower, safety apron to avoid splashes.

HYGENIC WORK PRACTICES: Wash hands thoroughly after use.

SECTION - 7 PRECAUTIONS FOR SAFE HANDLING & USE

STEPS TO BE TAKEN IF MATERIAL IS SPILLED OR RELEASED: Small spills with absorbent material. Large spills should be collected for disposal with absorbent material. Use approved procedures.

WASTE DISPOSAL METHODS: Get approval for disposal from authorized licensed reclaimer or permitted incinerators. dispose according to federal, state and local governments

PRECAUTIONS TO BE TAKEN IN HANDLING & STORAGE: Warning, harmful if inhaled, causes eye irritation. Avoid contact with oxidants. Explosive mixtures may form. Keep container tightl sealed. Keep away from direct sunlight. Keep away from children. Read & understand MSDS prior to use.

OTHER PRECAUTIONS &/OR SPECIAL HAZARDS: KEEP OUT OF REACH OF CHILDREN. KEEP AWAY FROM FOOD:

We believe the statements, technical information and recommendations contained herein are reliable, but they are given without any warranty or guarantee of any kind.

Chemical listed as Carcinogen or Potential Carcinogen: (a) NTP (b) ARC MONOGRAPH (c) OSHA (d) NOT LISTED (e) Animal Data Only  
n/a - not available n/e not established

This MSDS complies with OSHA's Hazard Communication Standard CFR 1910, 1200 and OSHA Form 174

**IDENTITY AND DISTRIBUTOR'S/MANUFACTURER'S INFORMATION**



**AMERICAN NIAGARA**

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**TOLL FREE • 1-800-241-7708**

**NFPA RATING (WHEN APPLICABLE)**

HEALTH: 2 FLAMMABILITY: 1  
REACTIVITY: 0 SPECIAL: 0

**HMIS RATING (WHEN APPLICABLE)**

HEALTH: 2 FLAMMABILITY: 1  
REACTIVITY: 0 SPECIAL: YES

**comments:**

according to OSHA Standards, the air must be tested and monitored prior to use. Contact 3M for a patch to find out if you are exceeding the action level on methylene chloride (dichloromethane). In the State of California certain ingredients are listed as known carcinogens.

**DOT Hazard Classification:**

UN #2810 • PG III • KEEP AWAY FROM FOOD

**Identity (Trade Name as used on label):**

**M.C.-250**

**EMERGENCY PHONE:**

800-424-9300

**M.S.D.S NUMBER:**

0497L

**REVISION DATE:**

01-04

**EMERGENCY RESPONSE GUIDE NUMBER:**

126

**DATE PREPARED:**

01-4-06

**PREPARED BY:**

A.S.

**SECTION 1 - MATERIAL IDENTIFICATION AND INFORMATION**

**COMPONENTS-CHEMICAL NAMES AND COMMON NAMES**  
(HAZARDOUS COMPONENTS 1% OR GREATER / CARCINOGENS 0.1% OR GREATER)

	cas #	sara list	osha pel / ppm	acgih tlw ppm	carcinogen/ ref source
1 Methylene chloride (dichloromethane)	75-09-2	yes	25	50	1ARC
2 Perchloroethylene (tetrachloroethylene)	127-18-4	yes	100	25	1ARC
3 *note-special inhibiting package is not included because it is less than 1% of the formulation; non-hazardous					
4 ingredients are not listed as they are trade secrets according to 29CFR1910.1200					

**SECTION 2 - PHYSICAL / CHEMICAL CHARACTERISTICS**

BOILING POINT 45° C SPECIFIC GRAVITY (H2O=1): 1.40 @ 25/25° C  
 VAPOR PRESSURE: PSIG @ 70°F (AEROSOL) n/a VAPOR PRESSURE (NON-AEROSOL) (mm Hg & TEMP): 10 @ 20° C  
 VAPOR DENSITY (AIR = 1): 3.5 EVAPORATION RATE: (ETHER = 1) 0.3 Butyl Acetate = 1  
 SOLUBILITY IN WATER: slight WATER REACTIVE: none  
 APPEARANCE colorless clear liquid ODOR: mild sweet chlorinated odor

**SECTION 3 - FIRE & EXPLOSION DATA**

FLAMMABILITY as per USA FLAME: n/a AUTO IGNITION TEMPERATURE: AUTO IGNITION TEMPERATURE:  
 PROJECTION TEST (AEROSOL) n/a %LEL: none %UEL: none  
 EXTINGUISHER MEDIA: none  
 FLASH POINT & METHOD USED: TCC / NONE FOAM, DRY CHEMICAL CO<sub>2</sub>  
 UNUSUAL FIRE & EXPLOSION HAZARDS: Concentrated vapors can be ignited by high intensity energy source.

**SECTION 4 - REACTIVITY HAZARD DATA**

STABILITY (  ) STABLE ( ) UNSTABLE HAZARDOUS POLYMERIZATION ( ) WILL (  ) WILL NOT OCCUR  
 INCOMPATIBILITY (MATERIALS TO AVOID): finely powdered metal, strong alkali, alkali earth metal  
 HAZARDOUS DECOMPOSITION PRODUCTS: Hydrogen Chloride, Phosgene (highly toxic), Chlorine  
 CONDITIONS TO AVOID: flames, sparks, hot metals, pilot lighters, ignition sources, etc.

**VOC information**

EPA has determined that methylene chloride is an acceptable alternative in many applications for methyl chloroform and chlorofluorocarbon (CFC) 113, solvents whose production has been phased out because of their potential to deplete stratospheric ozone. Because methylene chloride does not contribute appreciably to smog formation, EPA has indicated that it is exempt from regulation as a volatile organic compound (VOC) under state regulations implementing the national ambient air quality standard for ozone. Methylene chloride is exempt in almost all of the states with VOC regulations, in accordance with federal guidelines. Perchloroethylene does not contribute to the depletion of the stratospheric ozone layer. EPA has determined, consequently, that perchloroethylene is an acceptable alternative in many applications for ozone depleting solvents whose production has been phased out by the federal Clean Air Act. Because perchloroethylene does not contribute appreciably to smog formation, EPA exempted the solvent from the federal definition of a reactive volatile organic compound (VOC). As a result, the Agency does not provide credit for reductions of perchloroethylene emissions in state control strategies for achieving the national ambient air quality standard for ground-level ozone. Perchloroethylene has been exempted by most states that have VOC regulations, in accordance with federal guidelines.