1. PRODUCT IDENTIFICATION

MANUFACTURER: JOMAPS, Inc.
NAME & ADDRESS: 6500 Industrial Way
Alpharetta, Ga 30004

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CHEMICAL NAME: N/A
SYNONYM/COMMON NAME: M-1 Remover
CHEMICAL FORMULA: N/A
DOT PROPER SHIPPING NAME: CONSUMER COMMODITY, ORM-D
DOT HAZARD CLASS: Combustible Liquid
DOT I.D. NUMBER: UN 1142
HAZARDOUS SUBSTANCE: N/A

2. HAZARDOUS INGREDIENTS

Meta Xylene (CAS #108-33-3) OSHA TLV 100 PPM (435 mg/m³) 8 hr. TWA
Ethyl Benzene (CAS #100-41-4) NIOSH ceiling limit – 200 ppm/10 min. 85%
Ortho Xylene (CAS #80-06-2) ACGIH adds skin notation to TLV
Para Xylene (CAS #88-47-6)
Methylene Chloride – 500 PPM (8 hr. TWA) = PEL ≤ OSHA permissible 1.15% exposure limits

3. PHYSICAL DATA

Boiling Point (F): >100 F
Vapor Pressure (mm Hg) @ 25°C: >6.5, <430
Vapor Density (Air=1): >2.93
Solubility in Water: Nil
Appearance and Odor: Colorless
Specific Gravity (H₂O=1): 0.937
Percent, Volatile By Volume (%): 100%
Evaporation Rate: 0.37

4. FIRE AND EXPLOSION DATA

FLASH POINT: (Method Used) TCC > 100 F
FLAMMABLE LIMITS: UPPER 25 LOWER 14
EXTINGUISHING MEDIA: Foam, dry chemical, Halon CO₂
SPECIAL FIRE FIGHTING PROCEDURES: Class IIA flammable liquid. Vapors can readily form explosive mixtures with air.
UNUSUAL FIRE AND EXPLOSION HAZARD: Keep away from heat, sources of ignition, oxidizers.

5. HEALTH HAZARD DATA

Acute Oral LD₅₀ = 2000 – 4000 mg/kg (Rat)
Acute Dermal LD₅₀ = 2700 mg/kg (Rabbit)
Acute Inhalation LC₅₀ = 2145 ppm (Rat)

A 1985 NTP, 2 yr. animal inhalation study report states that there is "clear evidence of carcinogenicity" in mice and female rats.
Experience in industry has shown no increased incidences of cancer of any type in the worker population.
IARC lists this product as having inadequate evidence in humans and inadequate evidence in animals to evaluate carcinogenicity, (Group 3)

MEDICAL LIMITATIONS: Persons with angina or heart disease should not be exposed to this product.

ROUTES OF EXPOSURE

INHALATION: Excessive inhalation may produce symptoms of central nervous system depression, ranging from light-headedness, nausea and vomiting to unconsciousness and death.
SKIN CONTACT: Mildly irritating to skin. Skin contact may produce a burning sensation. Prolonged or repeated contact may cause skin to become reddened, rough and dry due to the removal of natural oils and may result in dermatitis.
SKIN ABSORPTION: This product may be absorbed through the skin, although not expected to produce toxicity by this route.

EYE CONTACT: An irritant to the eyes, causing pain, irritation, and general inflammation.

INGESTION: May cause irritation of the gastrointestinal tract with vomiting. If vomiting results in aspiration, chemical pneumonitis could follow. Absorption through the gastrointestinal tract may produce symptoms of central nervous system depression ranging from light-headedness to unconsciousness.

EFFECTS OF OVEREXPOSURE

ACUTE: Excessive inhalation or ingestion may produce symptoms of central nervous system depression ranging from light-headedness to unconsciousness and death. Exposure of the eyes and skin may produce irritation.

CHRONIC: Can cause headache, mental confusion, depression, fatigue, loss of appetite, nausea, vomiting, cough, loss of sense of balance, and visual disturbances. Prolonged or repeated skin contact may cause dermatitis.

EMERGENCY AND FIRST AID PROCEDURES

EYES: OBJECT IS TO FLUSH MATERIAL OUT THEN SEEK MEDICAL ATTENTION. IMMEDIATELY flush eyes with large amounts of water for at least 15 minutes holding lids apart to ensure flushing of the entire eye surface. Seek medical attention.

SKIN: Wash contaminated areas with plenty of soap and water. A soothing ointment may be applied to irritated skin after thorough cleansing. Remove contaminated clothing and footwear which cannot be decontaminated. Seek medical attention.

INHALATION: Get person out of contaminated area to fresh air. If breathing has stopped, resuscitate and administer oxygen if readily available. Seek medical attention immediately.

INGESTION: If swallowed, do not induce vomiting. Contact physician immediately.

8. "REACTION DATA"

CONDITIONS CONTRIBUTING TO INSTABILITY: Avoid heat, sparks, open flame, fire.

INCOMPATIBILITY: Avoid contacting this product with pure oxygen, alkali metals, open flames and electrical arcs.

HAZARDOUS DECOMPOSITION PRODUCTS: At high temperatures, this product decomposes to give off hydrogen chloride vapor and small quantities of other toxic irritating vapors such as phosphine.

CONDITIONS CONTRIBUTING TO HAZARDOUS POLYMERIZATION: Material is not known to polymerize.

7. "SPILL OR LEAK PROCEDURES"

SPILLS OR RELEASES: Leaks should be stopped. Soak up absorbent materials. Do not allow liquid to enter sewers of drains.

DISPOSAL, OR STORAGE: Dispose in accordance with all federal, state and local health and pollution regulations.

8. "SPECIAL PROTECTION INFORMATION"

RESPIRATORY: Use organic vapor cartridge respirator with full face piece for exposure over TLV to 1000 ppm up.

EYE: Safety goggles and plastic face shield if danger of splashing.

GLOVES: Impervious gloves should be worn.

OTHER PROTECTIVE EQUIPMENT: Eye bath and safety bath.

9. "SPECIAL PRECAUTIONS"

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: Store in cool, dry, well ventilated area.