

# MATERIAL SAFETY DATA SHEET

**Trade Name: M-1 Tough Job Remover**

**EMERGENCY TELEPHONE NUMBERS:** 800-424-9300 CHEMTREC (transportation & spills)  
800-900-4044 Poison Control (human health)  
800-966-6175 Jomaps, Inc.

**PRODUCT HAZARD RATING:** Health = 2, Flammability = 2, Reactivity = 0  
(Rating Legend: 4 = Extreme, 3 = High, 2 = Moderate, 1 = Slight, 0 = Insignificant)

**Jomaps, Inc.**  
**6500 Industrial Way**  
**Alpharetta, GA 30004**  
**770-442-8808**

Date prepared: September 17, 2006

Contact Person: Phil Connell

**DOT PROPER SHIPPING NAME: CONSUMER COMMODITY, ORM-D**

## SECTION II – HAZARDOUS INGREDIENT DATA

Xylene, all isomers (cas# 1330-20-7)

Ethyl Benzene (cas# 100-41-4)

Toluene (Cas# 108-88-3)

Methylene Chloride – 500 PPM (8 hr. TWA) = PEL = OSHA permissible } 15% exposure limits

## SECTION III – PHYSICAL DATA

**Boiling Point (F):** >280° F

**Vapor Pressure (mm Hg.):** @ 25 C: >8.5, <430

**Solubility in Water:** Nil

**Evaporation Rate:** .37

**Appearance and Odor:** Colorless, sweet, pungent aromatic hydrocarbon.

**Specific Gravity (H<sub>2</sub>O=1):** 0.937

**Vapor Density (Air = 1):** >2.93

**Percent, Volatile by Volume (%):** 100%

## SECTION IV – FIRE AND EXPLOSION HAZARD DATA

**Flash Point:** (Method used) TCC>100° F

**Flammable Limits:** UPPER: 25 LOWER: 14

**Extinguishing Media:** Use dry chemicals, carbon dioxide, foam or inert gas (nitrogen).

**Special Fire Fighting Procedures:** Class IC flammable liquid, Vapors can readily form explosive mixtures with air.

**Unusual Fire and Explosion Hazards:** Keep away from heat, sources of ignition, oxidizers.

## SECTION V – HEALTH HAZARD DATA

**Major Routes of Entry:** Skin contact. Inhalation

### Signs and Symptoms of Acute Exposure

**Inhalation:** Excessive inhalation may produce symptoms of central nervous system depression, ranging from light-headedness, nausea, headache 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, it may cause similar effects as from breathing or swallowing it.

**Eye Contact:** An irritant to the eyes, causing pain, tearing, redness, burning and general inflammation.

**Ingestion:** Harmful if swallowed. May cause stomach or intestinal upset with pain, nausea and/or diarrhea. If vomiting results in aspiration, chemical pneumonia 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 and swelling of the eyes with blurred vision.

**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. This material may cause harm to the human fetus based on test with laboratory animals. It has been shown to cause cancer in Laboratory animals. The relevance of this to humans is not clear. Repeated overexposure may cause injury to bone marrow, blood cells, kidney, and liver. Prolonged overexposure to Xylene, a component in this product, has been associated with hearing damage in laboratory animals.

**Conditions Aggravated by Exposure:** Disorders of the following organs or organ systems that may be aggravated by significant exposure to this material or its components include: Skin, Respiratory System, Liver, Kidneys, Central Nervous System (CNS), Heart (cardiac).

**Target Organs:** May cause damage to the following organs: blood, kidneys, lungs, liver, mucous membranes, heart, upper respiratory tract, skin, auditory system, central nervous system (CNS), eye, lens or cornea.

**Carcinogenic Potential:** This material contains ethylbenzene which is considered possibly carcinogenic to humans by IARC (Group 2B) based on laboratory animal studies.

## EMERGENCY AND FIRST AID PROCEDURES

**Skin:** Remove contaminated clothing and footwear. Flush skin thoroughly with soap and water. If skin is damaged, apply a clean dressing. Seek medical attention if needed.

**Eyes:** Immediately flush eyes with cool, clean, low-pressure water for at least 15 minutes holding lids apart to ensure complete irrigation of the entire eye and eyelid tissue. Contact physician if needed.

**Inhalation:** If respiratory discomfort or irritation occurs, move to fresh air. If breathing has stopped, immediately begin rescue breathing. If heart has stopped, immediately begin cardiopulmonary resuscitation (CPR). If breathing is difficult, 100 percent humidified oxygen should be administered by a qualified individual. Seek medical attention immediately.

**Ingestion:** If swallowed, do not induce vomiting. If spontaneous vomiting is about to occur, place victim's head below knees. If victim is drowsy or unconscious, place on the left side with head down. Seek medical attention at once.

## SECTION VI – REACTIVITY DATA

**Stability:** Stable under normal conditions.

**Conditions to avoid:** Avoid heat, sparks, open flame, fire.

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

**Hazardous Decomposition:** At high temperature, this product decomposes to give off hydrogen chloride vapor and small quantities of other toxic irritating vapors such as phosgene.

**Hazardous Polymerization:** Material is not known to polymerize.

## SECTION VII – SPILL OR LEAK PROCEDURES

**If material is released or spilled:** Soak up with absorbent material. Do not allow to enter sewers or drains.

**Waste Disposal Method:** Dispose of in accordance with local, state and federal regulations.

## SECTION VIII – CONTROL MEASURES

**Respiratory Protection:** Use organic cartridge respirator with full face piece for exposure over TLV to 1000 ppm up.

**Ventilation:** Local exhaust is usually sufficient, if not available, use mechanical exhaust.

**Protective Gloves:** Impervious gloves (such as rubber, neoprene, polyethylene) should be used when handling the product.

**Eye Protection:** Wear goggles and plastic face shield if danger of splash hazard.

**Protective Clothing:** Wear appropriate clothing to avoid skin contact.

**Other Protective Equipment:** Eye bath and safety bath.

## SECTION IX – SPECIAL PRECAUTIONS

**Precautions to be taken in handling and storing:** Store product in cool, dry, well ventilated area. Keep container closed when not in use. Avoid contact with skin and eyes. Do not ingest. Avoid breathing mist.

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