

MATERIAL SAFETY DATA SHEET

Max-Tite Adhesive Systems

MTCN Contact High Strength Adhesive Cylinder

Date: September 13, 2011

Section 1 - Product and Company

Product ID numbers: MTCN-35, MTCN-35R, MTCN-11, and MTCN-11R

Manufacturers	Max-Tite Adhesive Systems	HMIS		NFPA	
Name & Address	207 Oak Street N.E. Decatur, AL 35601	Health	2	Fire	3
Phone	866-748-5854	Flammability	3	Toxicity	2
		Reactivity	0	Reactivity	0
				Special	0

24 HR. EMERGENCY TELEPHONE Chemtrec 800.424.9300

Section 2 – Hazardous Ingredients

Principal Hazardous Components	CAS No.	%By Weight	OSHA PEL	ACGIH TLV	OSHA STEL
*Methylene Chloride (1)	75-09-2	25-40	25 ppm	50 ppm	50 ppm
**Liquified Petroleum Gas	68476-86-8	15-40	1000 ppm	2500 ppm	

*Indicates Toxic Chemical (s) subject to the reporting requirements of 313 of title III

Methylene Chloride has caused cancer in certain laboratory animal tests. IARC has classified methylene chloride in Group 2B as a substance considered possibly carcinogenic to humans. Methylene Chloride appears on the NTP carcinogen list.

**EXTREMELY FLAMMABLE

Remaining ingredients are not considered hazardous per OSHA Hazard Communication Standard.

Listed Permissible Exposure Limits (PEL) are from the U.S. Dept. of Labor OSHA final rule limits (CFR 29 1910.1000) However limits may vary between states.

SECTION 3 - Physical Data

Physical: Liquid	Odor: Sweet Pungent	Color: Clear, Red
Percent Volatile: 45%	Solubility in Water: Insoluble	Boiling Point: -43.7 °F
Flash Point: -156°F	Evaporation Rate: <1.00 (BuAc=1)	
Specific Gravity: 1.08	Density: 9.02 lbs./gal	

SECTION 4 – FIRE & EXPLOSION DATA

Flammability: Extremely Flammable

General Hazard: Contents Under Pressure, Extremely Flammable

Extinguishing: Water Spray, Dry Chemical (B-C), foam

Special Fire Fighting Procedures: Keep containers cool using water spray. Wear self-contained oxygen source breathing apparatus in enclosed areas. Use equipment or shielding as required to protect against bursting, rupturing or venting of containers. Vapors can be ignited by a high intensity energy source.

Unusual Fire and Explosion Hazards: Do not use near fire, sparks or flame. At temperatures above 130 °F containers may vent, rupture or burst. If this occurs, flammable vapors or liquid will be released. EXTINGUISHING METHOD: DRY CHEMICAL, CO2

SECTION 5 – PHYSICAL HAZARDS

Conditions to Avoid: Open Flames, Temperatures above 120 °F

Avoid: Contact with Eyes, Skin, Ingestion, and Inhalation.

Incompatibility: Avoid contact with active metals (zinc, sodium, potassium, barium, etc.)

Hazardous Decomposition Products: Hydrogen Chloride and Phosgene

SECTION 6 – HEALTH HAZARDS

Routes of Entry

Inhalation: Yes

Eyes/Skin: Yes

Ingestion: Unlikely

Signs and Symptoms:

Inhalation: May cause dizziness, nausea, upper respiratory irritation, drowsiness, mental depression or narcosis, difficulty in breathing, irregular heartbeats. Chronic effects of over exposure to solvent vapors could lead to permanent effects to the nervous system, body organs and slight liver damage on excessive exposure. Use with adequate ventilation. Can cause cardiac arrest and irregular heartbeat, when inhaled in massive amounts. Symptoms usually occur at air concentrations higher than exposure limits.

Eye Contact: Can cause severe eye irritation, including stinging, tearing, redness and swelling.

Transient corneal injury possible.

Skin Contact: Prolonged or repeated contact may cause redness, burning, drying and cracking of the skin.

Ingestion: This material can get into the lungs during swallowing or vomiting, causing lung inflammation and other lung injury.

Chronic Effects: Prolonged overexposure has caused toxic effects on the liver and kidneys.

Carcinogenicity: Methylene chloride has caused cancer in certain laboratory animal tests. IARC has classified methylene chloride in group 2B as a substance considered possibly carcinogenic to humans. Methylene chloride appears on the NTP carcinogen list.

Medical Conditions Generally Aggravated by Exposure: Cardiac sensitization, kidney damage, alcoholism, chronic liver and kidney disease, lung disease, anemia, coronary disease or rhythm disorders of the heart. Exposure can result in cardiac sensitization and increase the risk of cardiac arrest.

Cancer: Methylene chloride has caused cancer in certain laboratory animal tests. IARC has classified methylene chloride in group 2B as a substance considered possibly carcinogenic to humans. Methylene chloride appears on the NTP carcinogen list.

Chemical Listed as Carcinogen or Potential Carcinogen:

National Toxicology Program Yes No ___

I.A.R.C. Monographs Yes No ___

OSHA Yes No ___

SECTION 7 – SPECIAL PROTECTION INFORMATION

Respiratory Protection: Use Respirator when TLV'S are exceeded

Ventilation: Local Exhaust, Maintain adequate ventilation

Protective Gloves: Wear solvent resistant gloves and impervious apron if repeated skin contact or irritation occurs.

Eye Protection: Wear Safety Glasses or Goggles to prevent eye contact.

Other Protective Clothing or Equipment: None required.

SECTION 8 – EMERGENCY AND FIRST AID PROCEDURES

Inhalation: Immediately move individual away from exposure and into fresh air. Seek immediate medical attention. Keep person warm and quiet. If person is not breathing, begin artificial respiration. If breathing is difficult, administer oxygen.

Eyes: Flush eyes gently with water for at least 15 minutes, seek immediate medical attention.

Skin: Remove contaminated clothing. Wash exposed area with soap and water.

Ingestion: Seek medical attention. If individual is drowsy or unconscious, do not give anything by mouth. Place individual on left side with head down. Contact a physician, medical facility or poison control center for advice about wither to induce vomiting, **do not induce vomiting unless advised to do so by physician.**

SECTION 9 – SPECIAL PRECAUTIONS AND SPILL/LEAK PROCEDURES

Handling: For industrial and professional use only, Not for consumption, do not breathe vapors, no smoking, avoid contact with skin, turn off all sources of ignition, sparks, flames such as stoves, heaters, electric motors, machinery.

Storage: Do not store near fire, sparks, or flame. Store in accordance with NFPA, keep container closed when not in use, do not remove label. Store in well ventilated and dry area. Keep away from sources of ignition.

SPILL OR LEAK: Use a dike method to contain product, to prevent ground and water contamination. Recover material with absorbent materials like sawdust and place into closed containers for disposal. Do not discard into sewer

SECTION 10 – STABILITY AND REACTIVITY

Stable: Yes

Stability: Stable

Hazardous decomposition products: Normal decomposition products, i.e. COx NOx

Hazardous Polymerization: Will not occur under normal conditions

SECTION 11 – TOXICOLOGICAL INFORMATION

Chronic: Adverse effects on liver and kidneys have been reported on laboratory animals.

Carcinogenicity: Methylene Chloride in this product is a chemical known to the State of California to cause cancer.

Genetic Effects: N/A

Irritation: Skin and Eye irritation from mild to moderate

Reproductive Effects: Studies on laboratory animals, rats, rabbits have shown to cause no abnormalities of physiological development.

SECTION 12- ECOLOGICAL

Environmental Data: Methylene Chloride is potentially toxic to both freshwater and saltwater.

SECTION 13 – DISPOSAL

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

SECTION 14 – TRANSPORTATION INFORMATION

Department of Transportation

PROPER SHIPPING NAME: Liquified Gas, Flammable, N.O.S.

UN NUMBER: 3161

HAZARD CLASS/DIVISION: 2.1

OTHER SHIPPING: Contains (Propane, n-Butane, Methylene Chloride

SECTION 15 – REGULATORY INFORMATION

Department of Transportation LABEL SYMBOL AND HAZARD CLASSIFICATION: Flammable Gas

Sara Title III:

FIRE YES

PRESSURE GENERATING YES

REACTIVITY NO

ACCUTE YES

CHRONIC YES

EPCRA SECTION 313 SUPPLIER NOTIFICATION

Chemical	percent by weight	CAS NUMBER
Methylene Chloride	35-45	75-09-2

CERCLA (COMPREHENSIVE RESPONSE, COMPENSATION, AND LIABILITY ACT)

Chemical	percent by weight	CERCLA RQ (lbs)
Methylene Chloride	35-40	1000

TOXIC SUBSTANCE CONTROL ACT

Methylene Chloride	CAS #75-09-2
Liquefied Petroleum Gas	CAS #68476-86-8

Clean Air Act

Methylene Chloride	CAS #75-09-2
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STATES WITH SPECIAL REQUIREMENTS:

Methylene Chloride	Massachusetts-Toxic use Reduction Act (TURA) Reportable
	New Jersey- Right to Know List
	Pennsylvania- Right to Know List
	California- Proposition 65 This product contains methylene chloride, a chemical known to the state of California to cause cancer.

This data is offered in good faith as typical value and not as a product specification, we believe all information given is accurate. No warranty is either expressed or implied. Since conditions are beyond our control, user assumes all responsibilities and risk and should review the recommendations in context of the intended use and determine if they are appropriate.