

MATERIAL SAFETY 3M  
 DATA SHEET 3M Center  
 St. Paul, Minnesota  
 55144-1000  
 1-800-364-3577 or (651) 737-6501 (24 hours)

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DIVISION: ENGINEERED ADHESIVES

TRADE NAME:

3M VAC-U-MOUNT ADHESIVE Catalog No. 6096 (obsolete)

ID NUMBER/U.P.C.:

62-4695-4930-7 00-21200-21672-5 62-4695-4936-4 - - -

ISSUED: November 08, 2001

SUPERSEDES: May 16, 2001

DOCUMENT: 06-2076-5

1. INGREDIENT	C.A.S. NO.	PERCENT	
PROPANE.....	74-98-6	25.0	- 35.0
HEPTANE.....	142-82-5	25.0	- 35.0
PENTANE.....	109-66-0	15.0	- 25.0
NON-VOLATILE COMPONENTS - N.J. TRADE SECRET (T.S.) REGISTRY NO. 04499600-			
5952P++.....	TradeSecret	10.0	- 20.0
TOLUENE.....	108-88-3	0.5	- 1.5

++ synthetic polymer, resin antioxidants.

This product contains the following toxic chemical or chemicals subject to  
 the reporting requirements of Section 313 of Title III of the Emergency  
 Planning and Community Right-To-Know Act of 1986 and 40 CFR Part 372:

TOLUENE

2. PHYSICAL DATA

BOILING POINT:.....	Compressed gas
VAPOR PRESSURE:.....	Compressed gas
VAPOR DENSITY:.....	N/A
EVAPORATION RATE:.....	N/A
SOLUBILITY IN WATER:.....	Very slight
SPECIFIC GRAVITY:.....	0.639 Water=1
PERCENT VOLATILE:.....	ca. 85 % by wt
pH:.....	N/A
VISCOSITY:.....	N/A
MELTING POINT:.....	N/D

Abbreviations: N/D - Not Determined N/A - Not Applicable CA - Approximately

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2. PHYSICAL DATA (continued)  
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APPEARANCE AND ODOR:

liquid in aerosol, clear/pale yellow, sweet odor

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3. FIRE AND EXPLOSION HAZARD DATA  
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FLASH POINT:..... -50.00 F  
FLAMMABLE LIMITS - LEL:..... N/A  
FLAMMABLE LIMITS - UEL:..... Flam.Gas  
AUTOIGNITION TEMPERATURE:..... N/D

EXTINGUISHING MEDIA:

Water spray, Carbon dioxide, Dry chemical, Foam

SPECIAL FIRE FIGHTING PROCEDURES:

Wear full protective clothing, including helmet, self-contained, positive pressure or pressure demand breathing apparatus, bunker coat and pants, bands around arms, waist and legs, face mask, and protective covering for exposed areas of the head. Water may not effectively extinguish fire; however, it should be used to keep fire-exposed containers and surfaces cool and prevent explosive rupture. For leaks or spills which have not ignited, water spray can be used to disperse the flammable vapor and protect personnel attempting to stop the leak.

UNUSUAL FIRE AND EXPLOSION HAZARDS:

Closed containers exposed to heat from fire may build pressure and explode. Vapors may travel long distances along the ground or floor to an ignition source and flash back.

NFPA HAZARD CODES: HEALTH: 2 FIRE: 4 REACTIVITY: 0 AEROSOL STORAGE: 3  
UNUSUAL REACTION HAZARD: none

OSHA FIRE HAZARD CLASS: Class IB Flammable Liquid

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4. REACTIVITY DATA  
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STABILITY: Stable

INCOMPATIBILITY - MATERIALS/CONDITIONS TO AVOID:

Heat.

HAZARDOUS POLYMERIZATION: Hazardous polymerization will not occur.

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4. REACTIVITY DATA (continued)  
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HAZARDOUS DECOMPOSITION PRODUCTS:

Carbon Monoxide and Carbon Dioxide, Hydrocarbons, Toxic Vapors, Gases  
or Particulates.

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5. ENVIRONMENTAL INFORMATION  
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SPILL RESPONSE:

Refer to other sections of this MSDS for information regarding  
physical and health hazards, respiratory protection, ventilation, and  
personal protective equipment. Ventilate area. Extinguish all  
ignition sources. Contain spill. Cover with inorganic absorbent  
material. Collect spilled material. Collect using non-sparking  
tools. Clean up residue. Place in an approved metal container.

RECOMMENDED DISPOSAL:

Incinerate in an industrial or commercial facility. Facility must be  
capable of handling aerosol cans. Dispose of completely absorbed  
waste product in a hazardous waste facility. Reclaim if feasible.

RECYCLE EMPTY AEROSOL CONTAINERS WHERE AVAILABLE.

ENVIRONMENTAL DATA:

Not determined.

REGULATORY INFORMATION:

Volatile Organic Compounds: ca. 85 % (545 g/l) SCAQMD Rule 443.1,  
calculated.  
VOC Less H<sub>2</sub>O & Exempt Solvents: ca. 85 % (545 g/l) SCAQMD Rule 443.1,  
calculated.

Since regulations vary, consult applicable regulations or authorities  
before disposal. In the event of an uncontrolled release of this  
material, the user should determine if the release qualifies as a  
reportable quantity. U.S. EPA Hazardous Waste Number = D001  
(Ignitable)

EPCRA HAZARD CLASS:

FIRE HAZARD: Yes PRESSURE: Yes REACTIVITY: No ACUTE: Yes CHRONIC: Yes

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6. SUGGESTED FIRST AID  
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EYE CONTACT:

Immediately flush eyes with large amounts of water. Get immediate  
medical attention.

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6. SUGGESTED FIRST AID (continued)  
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SKIN CONTACT:

Flush skin with large amounts of water. If irritation persists, get medical attention.

INHALATION:

Remove person to fresh air. If not breathing, give artificial respiration. If breathing is difficult, get immediate medical attention.

IF SWALLOWED:

If swallowed, call a physician immediately. Only induce vomiting at the instruction of a physician. Never give anything by mouth to an unconscious person.

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7. PRECAUTIONARY INFORMATION  
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EYE PROTECTION:

Avoid eye contact with vapor, spray, or mist. Wear safety glasses with side shields.

SKIN PROTECTION:

Avoid prolonged or repeated skin contact.

RECOMMENDED VENTILATION:

Do not use in a confined area or areas with little or no air movement. If exhaust ventilation is not adequate, use appropriate respiratory protection. Provide ventilation adequate to control vapor concentrations below recommended exposure limits and/or control spray or mist.

RESPIRATORY PROTECTION:

Avoid breathing of vapors, mists or spray. Select one of the following NIOSH approved respirators based on airborne concentration of contaminants and in accordance with OSHA regulations: half-mask organic vapor respirator.

PREVENTION OF ACCIDENTAL INGESTION:

Do not ingest.

RECOMMENDED STORAGE:

Store at temperature below 120 degrees F (49 degrees C). Store out of direct sunlight. Keep out of the reach of children.

FIRE AND EXPLOSION AVOIDANCE:

Aerosol container contains flammable gas under pressure. Keep away from heat, sparks, open flame, and other sources of ignition. Extremely flammable liquid and vapor. Do not pierce or burn container, even after use. No smoking while handling this material.

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 7. PRECAUTIONARY INFORMATION (continued)  
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Avoid static discharge.

EXPOSURE LIMITS

INGREDIENT	VALUE	UNIT	TYPE	AUTH	SKIN*
PROPANE.....	1000	PPM	TWA	OSHA	
PROPANE.....	2500	PPM	TWA	ACGIH	
HEPTANE.....	400	PPM	TWA	ACGIH	
HEPTANE.....	500	PPM	STEL	ACGIH	
HEPTANE.....	400	PPM	TWA	OSHAV	
			OSHA VACATED PEL		
HEPTANE.....	500	PPM	STEL	OSHAV	
			OSHA VACATED PEL		
HEPTANE.....	500	PPM	TWA	OSHA	
PENTANE.....	600	PPM	TWA	ACGIH	
PENTANE.....	600	PPM	TWA	OSHAV	
			OSHA VACATED PEL		
PENTANE.....	750	PPM	STEL	OSHAV	
			OSHA VACATED PEL		
PENTANE.....	1000	PPM	TWA	OSHA	
NON-VOLATILE COMPONENTS - N.J.					
TRADE SECRET (T.S.) REGISTRY NO.					
04499600-5952P++.....	NONE	NONE	NONE	NONE	
TOLUENE.....	50	PPM	TWA	ACGIH	Y
TOLUENE.....	100	PPM	TWA	OSHAV	
			OSHA VACATED PEL		
TOLUENE.....	150	PPM	STEL	OSHAV	
			OSHA VACATED PEL		
TOLUENE.....	200	PPM	TWA	OSHA	
TOLUENE.....	300	PPM	CEIL	OSHA	
TOLUENE.....	75	PPM	STEL	CMRG	Y

\* SKIN NOTATION: Listed substances indicated with 'Y' under SKIN refer to the potential contribution to the overall exposure by the cutaneous route including mucous membrane and eye, either by airborne or, more particularly, by direct contact with the substance. Vehicles can alter skin absorption.

SOURCE OF EXPOSURE LIMIT DATA:

- ACGIH: American Conference of Governmental Industrial Hygienists
- CMRG: Chemical Manufacturer Recommended Exposure Guidelines
- OSHA: Occupational Safety and Health Administration
- OSHAV: Occupational Safety and Health Administration Vacated PEL. Vacated Permissible Exposure Limits (PEL) are enforced as the OSHA PEL in some states. Check with your local regulatory authority.
- NONE: None Established

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8. HEALTH HAZARD DATA  
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EYE CONTACT:

Moderate Eye Irritation: signs/symptoms can include redness, swelling, pain, tearing, and hazy vision.

SKIN CONTACT:

Mild Skin Irritation (after prolonged or repeated contact): signs/symptoms can include redness, swelling, and itching.

May be absorbed through the skin and produce effects similiar to those caused by inhalation and/or ingestion.

INHALATION:

Intentional concentration and inhalation may be harmful or fatal.

Blood disorders: signs/symptoms can include prolonged weakness and fatigue.

Liver Effects: signs/symptoms can include yellow skin(jaundice) and tenderness of upper abdomen.

Central Nervous System Depression: signs/symptoms can include headache, dizziness, drowsiness, incoordination, slowed reaction time, slurred speech, giddiness and unconsciousness.

Irritation (upper respiratory): signs/symptoms can include soreness of the nose and throat, coughing and sneezing.

IF SWALLOWED:

Ingestion is not a likely route of exposure to this product.

WHILE THE FOLLOWING EFFECTS ARE ASSOCIATED WITH ONE OR MORE OF THE INDIVIDUAL INGREDIENTS IN THIS PRODUCT AND ARE REQUIRED TO BE INCLUDED ON THE MSDS BY THE U.S. OSHA HAZARD COMMUNICATION STANDARD, THEY ARE NOT EXPECTED EFFECTS DURING FORESEEABLE USE OF THIS PRODUCT.

Irritation of Gastrointestinal Tissues: signs/symptoms can include pain, vomiting, abdominal tenderness, nausea, blood in vomitus, and blood in feces.

REPRODUCTIVE/DEVELOPMENTAL TOXINS:

WARNING: Contains a chemical which can cause birth defects. (108-88-3)

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SECTION CHANGE DATES  
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PRECAUTIONARY INFO. SECTION CHANGED SINCE May 16, 2001            ISSUE

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