

BIN#666

MATERIAL SAFETY
DATA SHEET

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

.164186

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DIVISION: ENGINEERED ADHESIVES

TRADE NAME:

3M Hi-Tack 76 Spray Adhesive

ID NUMBER/U.P.C.:

62-4677-4930-5 00-21200-30026-4 62-4677-4935-4 - - -

62-4677-4936-2 00-21200-30026-3 CS-0406-6995-5 - - -

CS-0406-7020-3 - - -

ISSUED: May 18, 2001

SUPERSEDES: May 03, 2000

DOCUMENT: 07-7638-5

1. INGREDIENT	C.A.S. NO.		PERCENT
DIMETHYL ETHER.....	115-10-6	30	- 40
ACETONE.....	67-64-1	10	- 20
CYCLOHEXANE.....	110-82-7	10	- 20
NON-VOLATILE COMPONENTS - N.J. TRADE SECRET (T.S.) REGISTRY NO. 04499600- 6134P++.....	TradeSecret	7	- 13
PROPANE.....	74-98-6	7	- 13
PENTANE.....	109-66-0	7	- 13
PETROLEUM DISTILLATE.....	64742-47-8	.5	- 1.5
HYDROTREATED HEAVY NAPHTHA (PETROLEUM)..	64742-48-9	.5	- 1.5

IN CASE OF EMERGENCY: THE NUMBERS AT THE TOP OF THIS PAGE PROVIDE 24
HOUR RESPONSE FROM ANY PHONE FOR ALL EMERGENCIES WITH THIS PRODUCT.
Non hazardous according to WHMIS criteria. The components of this
product are in compliance with the chemical notification requirements
of TSCA.

++ synthetic polymers, resin, oils, antioxidant and u.v. absorber.
Non-hazardous according to Canadian WHMIS criteria. Non-WHMIS
controlled.

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:
CYCLOHEXANE

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



2. PHYSICAL DATA

BOILING POINT:..... N/A
VAPOR PRESSURE:..... N/A
VAPOR DENSITY:..... N/D
EVAPORATION RATE:..... N/D
SOLUBILITY IN WATER:..... nil
SPECIFIC GRAVITY:..... .695 Water=1
PERCENT VOLATILE:..... ca. 88 % by wt
pH:..... N/A
VISCOSITY:..... N/A
MELTING POINT:..... N/D

APPEARANCE AND ODOR:

thin liquid in aerosol container, BLUE, MILD SOLVENT ODOR.

3. FIRE AND EXPLOSION HAZARD DATA

FLASH POINT:..... -50.00 F
FLAMMABLE LIMITS - LEL:..... N/A
FLAMMABLE LIMITS - UEL:..... N/A
AUTOIGNITION TEMPERATURE:..... N/D

EXTINGUISHING MEDIA:

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.

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: 2
UNUSUAL REACTION HAZARD: none

4. REACTIVITY DATA

STABILITY: Stable

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4. REACTIVITY DATA (continued)

INCOMPATIBILITY - MATERIALS/CONDITIONS TO AVOID:
Heat.

HAZARDOUS POLYMERIZATION: Hazardous polymerization will not occur.

HAZARDOUS DECOMPOSITION PRODUCTS:
Carbon Monoxide and Carbon Dioxide, Toxic Vapors, Gases or
Particulates.

5. ENVIRONMENTAL INFORMATION

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. Cover with absorbent material. Collect using non-sparking tools. Place in a U.S. DOT-approved container.

RECOMMENDED DISPOSAL:

Incinerate in a permitted hazardous waste incinerator in the presence of a combustible material. Facility must be capable of handling aerosol cans. Dispose of empty cans in a sanitary landfill. Dispose of waste product in a facility permitted to accept chemical waste.

ENVIRONMENTAL DATA:

Not determined.

REGULATORY INFORMATION:

Volatile Organic Compounds: ca. 71 %.
Volatile Organic Compounds: ca. 486 gms/liter calculated per SCAQMD rule 443.1.
VOC Less H2O & Exempt Solvents: ca. 568 gms/liter calculated per SCAQMD rule 443.1.
Hazardous Air Pollutants: 0 % by wt calculated.

Since regulations vary, consult applicable regulations or authorities before disposal. 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

EYE CONTACT:

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

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:

Do not induce vomiting. Drink two glasses of water. Call a physician.

7. PRECAUTIONARY INFORMATION

EYE PROTECTION:

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

SKIN PROTECTION:

Avoid skin contact. Wear appropriate gloves when handling this material. A pair of gloves made from the following material(s) are recommended: polyethylene/ethylene vinyl alcohol, polytetrafluoroethylene (Teflon).

RECOMMENDED VENTILATION:

Use in a well-ventilated area. Provide sufficient ventilation to maintain emissions below recommended exposure limits. If exhaust ventilation is not adequate, use appropriate respiratory protection.

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 temperatures below 120 degrees F (49 degrees C). Keep out of the reach of children.

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 7. PRECAUTIONARY INFORMATION (continued)

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. Avoid static discharge.

HMIS HAZARD RATINGS: HEALTH: 2 FLAMMABILITY: 4 REACTIVITY: 0
 PERSONAL PROTECTION: X (See precautions, section 7.)

EXPOSURE LIMITS

INGREDIENT	VALUE	UNIT	TYPE	AUTH	SKIN*
DIMETHYL ETHER.....	1000	PPM	TWA	CMRG	
DIMETHYL ETHER.....	500	PPM	TWA	AIHA	
ACETONE.....	500	PPM	TWA	ACGIH	
ACETONE.....	750	PPM	STEL	ACGIH	
ACETONE.....	750	PPM	TWA	OSHAV	
ACETONE.....	OSHA VACATED PEL				
ACETONE.....	1000	PPM	STEL	OSHAV	
ACETONE.....	OSHA VACATED PEL				
ACETONE.....	1000	PPM	TWA	OSHA	
CYCLOHEXANE.....	300	PPM	TWA	ACGIH	
CYCLOHEXANE.....	300	PPM	TWA	OSHA	
NON-VOLATILE COMPONENTS - N.J. TRADE SECRET (T.S.) REGISTRY NO. 04499600-6134P++.....	NONE	NONE	NONE	NONE	
PROPANE.....	1000	PPM	TWA	OSHA	
PROPANE.....	2500	PPM	TWA	ACGIH	
PENTANE.....	600	PPM	TWA	ACGIH	
PENTANE.....	600	PPM	TWA	OSHAV	
PENTANE.....	OSHA VACATED PEL				
PENTANE.....	750	PPM	STEL	OSHAV	
PENTANE.....	OSHA VACATED PEL				
PENTANE.....	1000	PPM	TWA	OSHA	
PETROLEUM DISTILLATE.....	300	PPM	TWA	CMRG	
HYDROTREATED HEAVY NAPHTHA (PETROLEUM).....	100	PPM	TWA	3M	
HYDROTREATED HEAVY NAPHTHA (PETROLEUM).....	300	PPM	TWA	CMRG	

* 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:

- 3M: 3M Recommended Exposure Guidelines
- ACGIH: American Conference of Governmental Industrial Hygienists

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EXPOSURE LIMITS (continued)

INGREDIENT	VALUE	UNIT	TYPE	AUTH	SKIN*
- AIHA:	American Industrial Hygiene Assoc. Workplace Environmental Exposure Level Guideline				
- 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				

8. HEALTH HAZARD DATA

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 in harmful amounts.

INHALATION:

Intentional concentration and inhalation may be harmful or fatal.

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.

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.

Peripheral Neuropathy: signs/symptoms can include tingling of extremities, incoordination, numbness, weakness and tremors.

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.

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