

BIN# 660

342035

MATERIAL SAFETY
DATA SHEET

3M
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DIVISION: ENGINEERED ADHESIVES

TRADE NAME:

3M Hi-Strength 90 Spray Adhesive, & 3M Hi-Strength 90 Spray Adhesive
6098, & 3M Brand Hi-Strength 90 Cylinder Spray Adhesive.

ID NUMBER/U.P.C.:

62-4683-0026-4	-	-	-	62-4683-0047-0	-	-	-
62-4683-0926-5	00-21200-39292-4			62-4683-0930-7	00-21200-31304-2		
62-4683-0931-5	-	-	-	62-4683-4925-3	00-21200-30066-0		
62-4683-4928-7	00-21200-41598-2			62-4683-4930-3	00-21200-30023-3		
62-4683-4935-2	-	-	-	62-4683-4936-0	00-21200-30023-2		
62-4683-4938-6	00-21200-39241-2			62-4683-7830-2	00-21200-41599-9		
62-4683-7835-1	00-21200-49045-3			62-4683-8830-1	00-21200-41554-8		
62-4683-8835-0	00-21200-49005-6			CS-0406-6994-0	-	-	-
CS-0406-7021-1	-	-	-				

ISSUED: September 27, 2001

SUPERSEDES: May 18, 2001

DOCUMENT: 07-7527-0

1. INGREDIENT	C.A.S. NO.	PERCENT	
DIMETHYL ETHER.....	115-10-6	30	- 40
ACETONE.....	67-64-1	10	- 20
NON-VOLATILE COMPONENTS - NEW JERSEY			
TRADE SECRET (T.S.) REGISTRY NO.			
04499600-6133P++.....	TradeSecret	10	- 20
PENTANE.....	109-66-0	10	- 20
CYCLOHEXANE.....	110-82-7	10	- 20
PROPANE.....	74-98-6	7	- 13

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.
The components of this product are in compliance with the chemical
notification requirements of TSCA.

++ synthetic elastomers, hydrocarbon resin, antioxidant, and
u.v. absorber. Not 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

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

1. INGREDIENT C.A.S. NO. PERCENT

Planning and Community Right-To-Know Act of 1986 and 40 CFR Part 372:
CYCLOHEXANE

2. PHYSICAL DATA

BOILING POINT:..... Compressed gas
VAPOR PRESSURE:..... Compressed gas
VAPOR DENSITY:..... N/D
EVAPORATION RATE:..... N/D
SOLUBILITY IN WATER:..... nil
SPECIFIC GRAVITY:..... .692 Water=1
PERCENT VOLATILE:..... ca. 87 % by wt
pH:..... N/A
VISCOSITY:..... N/A
MELTING POINT:..... N/D

APPEARANCE AND ODOR:
Clear liquid in aerosol, solvent odor

3. FIRE AND EXPLOSION HAZARD DATA

FLASH POINT:..... < -50 F TCC
FLAMMABLE LIMITS - LEL:..... 2.1 - 12.6 % by vol
FLAMMABLE LIMITS - UEL:..... N/D
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.

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: 1 AEROSOL STORAGE: 2
UNUSUAL REACTION HAZARD: none

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4. REACTIVITY DATA

STABILITY: Stable

INCOMPATIBILITY - MATERIALS/CONDITIONS TO AVOID:
Heat.

HAZARDOUS POLYMERIZATION: Hazardous polymerization will not occur.

HAZARDOUS DECOMPOSITION PRODUCTS:
Carbon Monoxide and Carbon Dioxide, Aldehydes, Ketones, Hydrocarbons.

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 completely absorbed waste product in a facility permitted to accept chemical wastes.

ENVIRONMENTAL DATA:

Not determined.

REGULATORY INFORMATION:

Volatile Organic Compounds: ca. 70.3 % calculated per SCAQMD rule 443.1.
Volatile Organic Compounds: ca. 4.06 lb/gal calculated per SCAQMD rule 443.1.
Volatile Organic Compounds: 487 gms/liter calculated per SCAQMD rule 443.1.
VOC Less H₂O & Exempt Solvents: ca. 571 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 prolonged or repeated skin contact. Wear appropriate gloves when handling this material. A pair of gloves made from the following material(s) are recommended: nitrile rubber, polyethylene/ethylene vinyl alcohol, polyvinyl alcohol, polytetrafluoroethylene (Teflon), fluoroelastomer (Viton).

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.

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	
		OSHA VACATED	PEL		
ACETONE.....	1000	PPM	STEL	OSHAV	
		OSHA VACATED	PEL		
ACETONE.....	1000	PPM	TWA	OSHA	
NON-VOLATILE COMPONENTS - NEW					
JERSEY TRADE SECRET (T.S.)					
REGISTRY NO. 04499600-6133P++.....					
	NONE	NONE	NONE	NONE	
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	
CYCLOHEXANE.....	300	PPM	TWA	ACGIH	
CYCLOHEXANE.....	300	PPM	TWA	OSHA	
PROPANE.....	1000	PPM	TWA	OSHA	
PROPANE.....	2500	PPM	TWA	ACGIH	

* 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
- 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.

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

EXPOSURE LIMITS (continued)

INGREDIENT	VALUE	UNIT	TYPE	AUTH	SKIN*
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- 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.

INHALATION:

Intentional concentration and inhalation may be harmful or fatal.

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

Single overexposure, above recommended guidelines, may cause:

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

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.

Aspiration Pneumonitis: signs/symptoms can include coughing, difficulty breathing, wheezing, coughing up blood and pneumonia, which can be fatal.

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SECTION CHANGE DATES

PHYSICAL DATA

SECTION CHANGED SINCE May 18, 2001

ISSUE

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