

3M General Offices  
 3M Center  
 St. Paul, Minnesota 55144-1000  
 612/733 1110

03-96  
 3538

Duns No.: 00-617-3082

MATERIAL SAFETY  
 DATA SHEET



DIVISION: ADHESIVES, COATINGS AND SEALERS  
 TRADE NAME:  
 3M Spray Disc Adhesive (1PA) Part No. 08054  
 3M I.D. NUMBER: 62-4655-3709-0

ISSUED: DECEMBER 30, 1989  
 SUPERSEDES: MARCH 13, 1989  
 DOCUMENT: 11-0085-8

1. INGREDIENT	C.A.S. NO.	PERCENT	EXPOSURE		LIMITS	
			VALUE	UNIT	TYPE	AUTH
dimethyl ether	115-10-6	50.0 - 60.0	1000	ppm	TWA	CMRG
non-volatile components - N.J. Trade Secret (T.S.) Registry No. 04499600-5472P ++	T.S.	10.0 - 20.0	NONE	NONE	NONE	NONE
pentane	109-66-0	10.0 - 20.0	600	ppm	TWA	ACGI
acetone	67-64-1	1.0 - 10.0	750	ppm	TWA	ACGI
cyclohexane	110-82-7	1.0 - 10.0	300	ppm	TWA	ACGI

SOURCE OF EXPOSURE LIMIT DATA:

- ACGIH: American Conference of Governmental Industrial Hygienists
- CMRG: Chemical Manufacture Recommended Guidelines
- NONE: None Established

NOTE: ++ synthetic polymers, resin, oil and antioxidant.

THIS PRODUCT CONTAINS THE FOLLOWING TOXIC CHEMICAL OR CHEMICALS SUBJECT TO THE REPORTING REQUIREMENTS OF SECTION 313 OF TITLE III OF THE SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT OF 1986 AND 40 CFR PART 372:

acetone  
 cyclohexane

2. PHYSICAL DATA

BOILING POINT:..... Compressed gas  
 VAPOR PRESSURE:..... Compressed gas  
 VAPOR DENSITY:..... N/D  
 EVAPORATION RATE:..... N/D  
 SOLUBILITY IN WATER:..... Nil  
 SP. GRAVITY:..... 0.709 Water = 1  
 PERCENT VOLATILE:..... < 92.00 %  
 VOLATILE ORGANICS:..... 580.00 gm/l  
 pH:..... N/A  
 VISCOSITY:..... N/A  
 APPEARANCE AND ODOR: Amber, liquid, solvent odor

3. FIRE AND EXPLOSION HAZARD DATA

FLASH POINT:..... -50.00 F  
 FLAMMABLE LIMITS - LEL:..... N/A  
 FLAMMABLE LIMITS - UEL:..... Flamm. Gas  
 AUTOIGNITION TEMPERATURE: ... N/D  
 EXTINGUISHING MEDIA:  
 CO2, foam, dry chemical  
 SPECIAL FIRE FIGHTING PROCEDURES:  
 Fire fighters should be equipped with self-contained breathing apparatus when fighting fires involving this material.  
 UNUSUAL FIRE AND EXPLOSION HAZARDS:  
 Extremely Flammable. (Treat as flammable pressurized container).

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

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**3. FIRE AND EXPLOSION HAZARD DATA (continued)**

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Overheated, closed container adjacent to fire could explode due to internal pressure buildup.  
NFPA-HAZARD-CODES: HEALTH 2 FIRE 4 REACTIVITY 0  
UNUSUAL REACTION HAZARD: None

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**4. REACTIVITY DATA**

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STABILITY: Stable  
INCOMPATIBILITY - MATERIALS TO AVOID:  
N/D  
CONDITIONS TO AVOID: Do not store at temperatures above 120F. Do not puncture or incinerate container.  
HAZARDOUS POLYMERIZATION: Will Not Occur  
HAZARDOUS DECOMPOSITION PRODUCTS:  
CO, CO2 and smoke particles when subjected to excessive heat or flame.

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**5. ENVIRONMENTAL INFORMATION**

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**SPILL RESPONSE:**

If cans rupture, observe precautions from other sections. Extinguish all ignition sources and ventilate area. Use inorganic absorbent to absorb spill, place absorbed product and partially full cans in a U.S. Dept. of Transportation approved metal container and seal.

**RECOMMENDED DISPOSAL:**

Incinerate absorbed product and partially full cans in a hazardous waste facility. U.S. EPA HAZARDOUS WASTE NO.: D001 (Ignitable). Dispose of empty cans in a sanitary landfill or incinerator in a commercial facility capable of handling aerosol cans. Consult applicable regulations or authorities before disposal.

**ENVIRONMENTAL DATA:**

Volatile Organic Compound (VOC):  
Maximum VOC = 580 gm/liter.  
Maximum VOC minus Water minus Exempt Solvents = 580 gm/liter.  
VOC's were calculated according to Rule 443.1 of the South Coast Air Quality Management District (SCAQMD).

**SARA 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:**

Flush eyes with large amounts of water for at least 10 minutes. Call a physician.

**SKIN CONTACT:**

Thoroughly wash affected area with soap and water.

**INHALATION:**

Remove to uncontaminated air. Call a physician.

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**6. SUGGESTED FIRST AID (continued)**

**IF SWALLOWED:**  
Do not induce vomiting. Call a physician or poison control center.

**OTHER FIRST AID:**  
NONE

**7. PRECAUTIONARY INFORMATION**

Keep product and its vapors away from all sources of ignition. The vapors released by this product can easily be ignited and burn explosively. Use only in areas with sufficient ventilation to maintain vapor and spray concentrations below recommended exposure limits. Avoid breathing vapor and mist. Local exhaust ventilation should be used if large quantities are sprayed in a short period of time. Avoid eye and skin contact; wear chemical goggles or safety glasses and impervious gloves when handling product. Use only as directed. Do not take internally. Intentional misuse by deliberately concentrating and inhaling or swallowing may be harmful or fatal. Do not puncture or incinerate container. Do not store product at temperatures above 120F. KEEP OUT OF THE REACH OF CHILDREN.

**ADDITIONAL EXPOSURE LIMITS**

INGREDIENTS	EXPOSURE LIMITS		AUTH	
	VALUE	UNIT	TYPE	
pentane	1800	mg/m3	TWA	ACGIH
pentane	750	ppm	STEL	ACGIH
pentane	2250	mg/m3	STEL	ACGIH
pentane	1000	ppm	TWA	OSHA
pentane	2950	mg/m3	TWA	OSHA
acetone	1780	mg/m3	TWA	ACGIH
acetone	1000	ppm	STEL	ACGIH
acetone	2375	mg/m3	STEL	ACGIH
acetone	1000	ppm	TWA	OSHA
acetone	2400	mg/m3	TWA	OSHA
cyclohexane	1050	mg/m3	TWA	ACGIH
cyclohexane	300	ppm	TWA	OSHA
cyclohexane	1050	mg/m3	TWA	OSHA

**SOURCE OF EXPOSURE LIMIT DATA:**

- ACGIH: American Conference of Governmental Industrial Hygienists
- OSHA: Occupational Safety and Health Administration

**8. HEALTH HAZARD DATA**

**EYE CONTACT:** Liquid and vapor may cause eye irritation.

**SKIN CONTACT:** Prolonged and repeated skin contact may defat skin leading to irritation and dermatitis.

**INHALATION:** Vapor overexposure may cause respiratory system

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**8. HEALTH HAZARD DATA (continued)**

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irritation and temporary nervous system impairment (light-headedness). Prolonged or repeated overexposures to acetone and cyclohexane may cause heart, liver, kidney and blood damage. Gross overexposure such as is caused by intentional inhalation of concentrated vapors in a confined vessel can result in serious damage, including asphyxiation and death. Symptoms of overexposure may include headache, dizziness, weakness, fatigue, and on extreme overexposure, unconsciousness.

**INGESTION:** Accidental ingestion is unlikely from an aerosol container. Intentional consumption and swallowing the liquid product may cause severe digestive system irritation, nausea and vomiting. Solvent aspiration into the lungs due to vomiting can cause lung damage, which in the extreme may be fatal.

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**SECTION CHANGE DATES**

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ENVIRON. DATA      SECTION CHANGED SINCE      MARCH 13, 1989 ISSUE

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The information on this Data Sheet represents our current data and best opinion as to the proper use in handling of this material under normal conditions. Any use of the material which is not in conformance with this Data Sheet or which involves using the material in combination with any other material or any other process is the responsibility of the user.