

Duns No.: 00-617-3082

MATERIAL SAFETY  
 DATA SHEET



**DIVISION: ADHESIVES, COATINGS AND SEALERS**

**TRADE NAME:**

3M Feathering Disc Adhesive, Type II PART NO. 08051  
 3M I.D. NUMBER: 62-4487-2608-3

ISSUED: DECEMBER 30, 1989  
 SUPERSEDES: JULY 28, 1989  
 DOCUMENT: 10-5266-1

1. INGREDIENT	C.A.S. NO.	PERCENT	EXPOSURE		LIMITS	
			VALUE	UNIT	TYPE	AUTH
n-hexane	110-54-3	30.0 - 40.0	50	ppm	TWA	ACGIH
hexane (other isomers)	none	20.0 - 30.0	NONE	NONE	NONE	NONE
polyterpene resin	13680-35-8	10.0 - 20.0	NONE	NONE	NONE	NONE
natural rubber	9006-04-6	10.0 - 20.0	NONE	NONE	NONE	NONE
glycerol ester of hydrogenated rosin	65997-13-9	1.0 - 10.0	NONE	NONE	NONE	NONE
kaolin	1332-58-7	1.0 - 10.0	10	mg/m3	TWA	ACGIH
titanium dioxide	13463-67-7	0.1 - 1.0	10	mg/m3	TWA	ACGIH

**SOURCE OF EXPOSURE LIMIT DATA:**

- ACGIH: American Conference of Governmental Industrial Hygienists
- NONE: None Established

**2. PHYSICAL DATA**

BOILING POINT:..... 148.00 F  
 (hexane)  
 VAPOR PRESSURE:..... 12.6500 mmHg  
 @ 68F  
 VAPOR DENSITY: ..... 2.97 Air = 1  
 EVAPORATION RATE:..... 1.90 Ether = 1  
 SOLUBILITY IN WATER: ..... Very slight  
 SP. GRAVITY:..... 0.800 Water = 1  
 PERCENT VOLATILE: ..... 70.00 %  
 VOLATILE ORGANICS: ..... 520.00 gm/l  
 pH: ..... N/A  
 VISCOSITY: ..... 3425.0 centistokes  
 APPEARANCE AND ODOR: Amber, liquid, hexane odor

**3. FIRE AND EXPLOSION HAZARD DATA**

FLASH POINT:..... -10.00 F T.C.C.  
 FLAMMABLE LIMITS - LEL: ..... 1.20 %  
 FLAMMABLE LIMITS - UEL: ..... 6.90 %  
 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. Overheated, closed containers adjacent to fire  
 could explode due to internal pressure buildup.  
 NFPA-HAZARD-CODES: HEALTH 3 FIRE 3 REACTIVITY 0  
 UNUSUAL REACTION HAZARD: None

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

3M General Offices

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

03-10  
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#### 4. REACTIVITY DATA

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STABILITY: Stable

INCOMPATIBILITY - MATERIALS TO AVOID:

N/A

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:

Extinguish all ignition sources. Ventilate the area. Observe precautions from other sections. Contain the spill. Cover with absorbent materials as needed. Collect the spilled material using non-sparking tools. Place in a U.S. Department of Transportation - approved metal container, and seal.

##### RECOMMENDED DISPOSAL:

Incinerate absorbed and bulk product after mixing with flammable material in a licensed hazardous waste facility. Disposal should be in accordance with applicable regulations. U.S. EPA Hazardous Waste Number: D001 (Ignitable).

##### ENVIRONMENTAL DATA:

Volatile Organic Compound (VOC):

Maximum VOC = 520 grams/liter.

Maximum VOC minus Water minus Exempt Solvents = 520 grams/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: No REACTIVITY: No ACUTE: Yes CHRONIC: Yes

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#### 6. SUGGESTED FIRST AID

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##### EYE CONTACT:

Immediately flush eyes with plenty of water for at least 10 minutes. Call a physician.

##### SKIN CONTACT:

Wash affected area with soap and water.

##### INHALATION:

Provide fresh air. If breathing difficulties persist, call a physician.

##### IF SWALLOWED:

Do not induce vomiting. If conscious, give two glasses of milk or water to drink. Call a physician or poison control center.

##### OTHER FIRST AID:

NONE

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**7. PRECAUTIONARY INFORMATION**

FOR INDUSTRIAL OR PROFESSIONAL USE ONLY. Keep away from heat, sparks, flame, and other sources of ignition. The vapors released from this product can be ignited easily. Avoid prolonged breathing of vapor/spray (airborne adhesive particulate). Use only in areas with sufficient ventilation to maintain vapor/spray concentrations below recommended limits. Provide local exhaust ventilation if necessary. Keep container tightly capped when not in use. Avoid eye and skin contact. Use eye (e.g., safety glasses, chemical goggles) and skin (e.g., impervious gloves) protection to prevent contact. Keep out of the reach of children.

**ADDITIONAL EXPOSURE LIMITS**

INGREDIENTS	EXPOSURE LIMITS		AUTH	
	VALUE	UNIT	TYPE	
n-hexane	180	mg/m <sup>3</sup>	TWA	ACGIH
n-hexane	50	ppm	TWA	OSHA
n-hexane	180	mg/m <sup>3</sup>	TWA	OSHA
kaolin	10	mg/m <sup>3</sup>	TWA	OSHA
titanium dioxide	10	mg/m <sup>3</sup>	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 may cause severe eye irritation and vapor may cause eye irritation.

**SKIN CONTACT:** Prolonged or repeated skin contact may defat skin leading to irritation and dermatitis. n-Hexane may be absorbed through the skin in harmful amounts.

**INHALATION:** Vapor overexposure may cause respiratory system irritation and temporary nervous system impairment (light-headedness). Repeated or extreme overexposure to n-hexane may cause nervous system damage. Symptoms of overexposure may include headache, dizziness, weakness, fatigue, nausea, loss of coordination and stupor.

**INGESTION:** May cause digestive system irritation and nervous system impairment. Symptoms include nausea, diarrhea, dizziness, sleepiness, decreased reaction time and slurred speech. Solvent aspiration into the lungs as a result of vomiting may cause lung damage, which can be fatal.

**NOTE:** Titanium dioxide is a potential cancer hazard based on animal studies at extremely high, repeated exposures. This effect is not expected under the conditions of product intended use.

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**SECTION CHANGE DATES**

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ENVIRON. DATA      SECTION CHANGED SINCE      JULY 28, 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.