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MATERIAL SAFETY
DATA SHEET



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DIVISION: AUTOMOTIVE TRADES DIVISION
TRADE NAME:

3M Feathering Disc Adhesive, Type II, P/N 08051

3M ID NUMBER/U.P.C.: 60-9800-2705-0 00-51135-08051-1 62-4487-2608-3 00-51135-08051-1

ISSUED: AUGUST 23, 1996
SUPERSEDES: MAY 30, 1996
DOCUMENT: 10-5266-1

1. INGREDIENT	C.A.S. NO.	PERCENT		
HEXANE	110-54-3	30.0	-	50.0
OTHER HEXANE ISOMERS	Unknown	20.0	-	30.0
BETA-PINENE, ALPHA-PINENE, DIPENTENE, BETA-PHELLANDRENE POLYMER	68240-09-5	7.0	-	13.0
POLYISOPRENE	9003-31-0	7.0	-	13.0
GLYCEROL ESTER OF HYDROGENATED ROSIN	65997-13-9	3.0	-	7.0
KAOLIN	1332-58-7	1.0	-	5.0

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:

HEXANE

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 % by wt
pH: N/A
VISCOSITY: 3425.0 centistokes
MELTING POINT..... N/D
APPEARANCE AND ODOR: Liquid, amber, hexane odor

3. FIRE AND EXPLOSION HAZARD DATA

FLASH POINT:..... -10.00 F T.C.C.

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

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3. FIRE AND EXPLOSION HAZARD DATA (continued)

FLAMMABLE LIMITS - LEL: 1.20 % by vol

FLAMMABLE LIMITS - UEL: 6.90 % by vol

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: 3 REACTIVITY: 0

UNUSUAL REACTION HAZARD: none

4. REACTIVITY DATA

STABILITY: Stable

INCOMPATIBILITY - MATERIALS TO AVOID:

Not applicable.

HAZARDOUS POLYMERIZATION: Will Not Occur

HAZARDOUS DECOMPOSITION PRODUCTS:

Carbon Monoxide and Carbon Dioxide, Oxides of Sulfur, Formaldehyde, 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. In the U.S.A., call (612) 733-1110 or (612) 733-6100 for 24-hour spill assistance. Extinguish all ignition sources. 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.

ENVIRONMENTAL DATA:

Not determined.

REGULATORY INFORMATION:

Volatile Organic Compounds: 70 % by wt.

Volatile Organic Compounds: 4.67 lb/gal calculated per SCAQMD rule 443.1.

Volatile Organic Compounds: 560 gms/liter calculated per SCAQMD rule 443.1.

VOC Less H2O & Exempt Solvents: 560 gms/liter calculated per SCAQMD

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5. ENVIRONMENTAL INFORMATION (continued)

rule 443.1.

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:** No **REACTIVITY:** No **ACUTE:** Yes **CHRONIC:** Yes**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:

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

7. PRECAUTIONARY INFORMATION**EYE PROTECTION:**

Avoid eye contact. 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: nitrile rubber, polyethylene/ethylene vinyl alcohol, polyvinyl alcohol, polytetrafluoroethylene (Teflon), fluoroelastomer (Viton).

VENTILATION PROTECTION:

Use in a well-ventilated area. Provide sufficient ventilation to maintain emissions below recommended exposure limits.

RESPIRATORY PROTECTION:

Avoid prolonged breathing of vapors.

PREVENTION OF ACCIDENTAL INGESTION:

Do not ingest.

RECOMMENDED STORAGE:

Keep container closed when not in use. Keep out of the reach of

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7. PRECAUTIONARY INFORMATION (continued)

children.

FIRE AND EXPLOSION AVOIDANCE:

Keep container tightly closed. Keep away from heat, sparks, open flame, and other sources of ignition. Extremely flammable liquid and vapor.

INGREDIENTS	EXPOSURE LIMITS		TYPE	AUTH	SKIN*
	VALUE	UNIT			
HEXANE	50	ppm	TWA	ACGIH	
HEXANE	50	ppm	TWA	OSHA	
OTHER HEXANE ISOMERS	NONE	NONE	NONE	NONE	
BETA-PINENE, ALPHA-PINENE, DIPENTENE, BETA-PHELLANDRENE POLYMER	NONE	NONE	NONE	NONE	
POLYISOPRENE	NONE	NONE	NONE	NONE	
GLYCEROL ESTER OF HYDROGENATED RODSIN	NONE	NONE	NONE	NONE	
KAOLIN	2	mg/m ³	TWA	ACGIH	
KAOLIN	10	mg/m ³	TWA	OSHA	

* 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
- OSHA: Occupational Safety and Health Administration
- 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:

Central Nervous System Depression: signs/symptoms can include headache, dizziness, drowsiness, incoordination, slowed reaction time,

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8. HEALTH HAZARD DATA (continued)

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 may cause:

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

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Central Nervous System Depression: signs/symptoms can include headache, dizziness, drowsiness, muscular weakness, incoordination, slowed reaction time, fatigue, blurred vision, slurred speech, giddiness, tremors and convulsions.

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

SECTION CHANGE DATES

HEADING	SECTION CHANGED SINCE	MAY 30, 1996 ISSUE
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SECTION CHANGE DATES

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