

3M General Offices
 3M Center
 St. Paul, Minnesota 55144-1000
 612/733-1110
 Duns No.: 00-617-3082

03-25
 3718

MATERIAL SAFETY
 DATA SHEET



DIVISION: AUTOMOTIVE TRADES
TRADE NAME:
 3M Spray Trim Adhesive Part No. 08074
3M I.D. NUMBER: CS-0406-2029-9 62-4454-4919-2
ISSUED: APRIL 12, 1990
SUPERSEDES: DECEMBER 4, 1989
DOCUMENT: 10-5959-1

1. INGREDIENT	C.A.S. NO.	PERCENT	EXPOSURE		LIMITS	
			VALUE	UNIT	TYPE	AUTH
nonvolatile components - N.J. Trade Secret (T.S.) Registry No. 04499600-5458P ++	T.S.	20.0 - 30.0	NONE	NONE	NONE	NONE
n-hexane	110-54-3	20.0 - 30.0	50	ppm	TWA	ACGIH
other hexane isomers	none	10.0 - 20.0	NONE	NONE	NONE	NONE
cyclohexane	110-82-7	10.0 - 20.0	300	ppm	TWA	ACGIH
propane	74-98-6	10.0 - 20.0	1000	ppm	TWA	OSHA
isobutane	75-28-5	10.0 - 20.0	NONE	NONE	NONE	NONE

SOURCE OF EXPOSURE LIMIT DATA:
 - ACGIH: American Conference of Governmental Industrial Hygienists
 - OSHA: Occupational Safety and Health Administration
 - NONE: None Established

NOTE: ++ synthetic polymer, resins 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:
 cyclohexane

2. PHYSICAL DATA

BOILING POINT:..... Compressed Gas
 VAPOR PRESSURE:..... Compressed Gas
 VAPOR DENSITY:..... 2.97 Air = 1
 EVAPORATION RATE:..... 1.90 Ether = 1
 SOLUBILITY IN WATER:..... Nil
 SP. GRAVITY:..... < 1.000 Water = 1
 PERCENT VOLATILE:..... 78.00 %
 VOLATILE ORGANICS:..... 616.00 gm/l
 pH:..... N/A
 VISCOSITY:..... N/A
 APPEARANCE AND ODOR: Clear liquid - hexane solvent odor

3. FIRE AND EXPLOSION HAZARD DATA

FLASH POINT:..... -50.00 F
 FLAMMABLE LIMITS - LEL:..... 1.00 %
 FLAMMABLE LIMITS - UEL:..... 7.00 %
 AUTOIGNITION TEMPERATURE: ... N/D
 EXTINGUISHING MEDIA:
 CO2, foam, dry chemical
SPECIAL FIRE FIGHTING PROCEDURES:
 Treat as a pressurized container. Fire fighters should be equipped with self-contained breathing apparatus when fighting fires involving this material.

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

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3. FIRE AND EXPLOSION HAZARD DATA (continued)

UNUSUAL FIRE AND EXPLOSION HAZARDS:

Extremely Flammable. Treat as a pressurized container. Overheated, closed containers adjacent to fire could explode due to pressure buildup.

NFPA-HAZARD-CODES: HEALTH 3 FIRE 4 REACTIVITY 0

UNUSUAL REACTION HAZARD: None

4. REACTIVITY DATA

STABILITY: Stable

INCOMPATIBILITY - MATERIALS TO AVOID:

N/A

CONDITIONS TO AVOID: Do not puncture or incinerate container. Do not store at temperatures above 120F.

HAZARDOUS POLYMERIZATION: Will Not Occur

HAZARDOUS DECOMPOSITION PRODUCTS:

CO, CO₂ and smoke particles when subjected to excessive heat or flame.

5. ENVIRONMENTAL INFORMATION

SPILL RESPONSE:

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

RECOMMENDED DISPOSAL:

Incinerate absorbed and partially full cans after mixing with flammable material in a licensed hazardous waste facility. The facility must be capable of handling aerosol cans. Do not puncture or burn cans in a household incinerator. Dispose of empty cans in a sanitary landfill. Disposal should be in accordance with applicable regulations. U.S. EPA Hazardous Waste No.: D001 (Ignitable).

ENVIRONMENTAL DATA:

Volatile Organic Compound (VOC):

Maximum VOC = 616 grams/liter.

Maximum VOC minus Water minus Exempt Solvents = 616 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: Yes REACTIVITY: No ACUTE: Yes CHRONIC: Yes

6. SUGGESTED FIRST AID

EYE CONTACT:

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

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6. SUGGESTED FIRST AID (continued)

SKIN CONTACT:

Wash with soap and water.

INHALATION:

Remove person to uncontaminated air. If not breathing call a physician.

IF SWALLOWED:

Do not induce vomiting. Immediately call a physician or poison control center.

OTHER FIRST AID:

NONE

7. PRECAUTIONARY INFORMATION

Keep product and its vapor away from heat, sparks, flame, and other sources of ignition. The vapors released by this product can be ignited easily and burn explosively. Extinguish and do not ignite any flame in the immediate work area. Avoid prolonged breathing of vapors and spray. Use only in areas with sufficient ventilation to maintain vapor and spray concentrations below the recommended exposure limits. Avoid eye and skin contact. 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. Do not store at temperatures above 120F. Keep out of the reach of children.

ADDITIONAL EXPOSURE LIMITS

INGREDIENTS	EXPOSURE LIMITS			
	VALUE	UNIT	TYPE	AUTH
n-hexane	180	mg/m ³	TWA	ACGIH
n-hexane	500	ppm	TWA	OSHA
n-hexane	1800	mg/m ³	TWA	OSHA
cyclohexane	1050	mg/m ³	TWA	ACGIH
cyclohexane	300	ppm	TWA	OSHA
cyclohexane	1050	mg/m ³	TWA	OSHA
propane	1800	mg/m ³	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 spray may be irritating to eyes upon direct contact.

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

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8. HEALTH HAZARD DATA (continued)

INHALATION: Exposure to vapor concentrations in excess of the recommended exposure limits may cause respiratory system irritation and temporary nervous system impairment. Symptoms of overexposure may range from mild light-headedness through weakness, dizziness, headache, nausea and facial numbness. Repeated or extreme overexposure to n-hexane vapors may cause nervous system 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.

INGESTION: Accidental ingestion from an aerosol container is unlikely. Intentional concentration and swallowing the liquid product may cause severe digestive system irritation, nausea and vomiting. Solvent aspiration into the lungs as a result of vomiting may cause lung damage and in the extreme could be fatal.

SECTION CHANGE DATES

HEADING	SECTION CHANGED SINCE DECEMBER 4, 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.