

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

02-51
 2386

MATERIAL SAFETY
 DATA SHEET



DIVISION: AUTOMOTIVE TRADES DIVISION
 TRADE NAME:

3M Super Weatherstrip Adhesive (Black) PART NO. 08008
 3M I.D. NUMBER: 62-4569-2609-6 62-4569-8501-9 62-4569-9800-4

ISSUED: FEBRUARY 19, 1991
 SUPERSEDES: MAY 24, 1990
 DOCUMENT: 10-5269-5

1. INGREDIENT	C.A.S. NO.	PERCENT	EXPOSURE		LIMITS	
			VALUE	UNIT	TYPE	AUTH
Magnesium Resinate	68611-24-5	20.0 - 30.0	NONE	NONE	NONE	NONE
Methyl Ethyl Ketone	78-93-3	20.0 - 30.0	200	ppm	TWA	ACGIH
Petroleum Distillate	64741-84-0	15.0 - 25.0	NONE	NONE	NONE	NONE
Polychloroprene	9010-98-4	15.0 - 25.0	NONE	NONE	NONE	NONE
n-Hexane	110-54-3	1.0 - 10.0	50	ppm	TWA	ACGIH
Toluene	108-88-3	1.0 - 10.0	100	ppm	TWA	ACGIH
Cyclohexane	110-82-7	0.1 - 3.0	300	ppm	TWA	ACGIH

SOURCE OF EXPOSURE LIMIT DATA:

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

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:

- Methyl Ethyl Ketone
- Toluene
- Cyclohexane

2. PHYSICAL DATA

BOILING POINT:..... 148.00-189.00 F
 (Petroleum Distillate)
 VAPOR PRESSURE:..... 120.0000 mmHg
 @ 68F
 VAPOR DENSITY: 3.00 Air = 1
 EVAPORATION RATE:..... > 3.60 Ether = 1
 SOLUBILITY IN WATER: Slight
 SP. GRAVITY:..... 0.940 Water = 1
 PERCENT VOLATILE: 55.00 %
 VOLATILE ORGANICS: 515.00 gm/l
 pH: N/A
 VISCOSITY: 7500.0-9500.0 CPS
 APPEARANCE AND ODOR: Black, heavy liquid, solvent odor

3. FIRE AND EXPLOSION HAZARD DATA

FLASH POINT:..... -6.00 F T.C.C.
 (Petroleum Distillate)
 FLAMMABLE LIMITS - LEL: 1.00 %
 FLAMMABLE LIMITS - UEL: 11.50 %
 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.

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. Overheated, closed containers adjacent to fire could explode due to internal pressure buildup.
NFPA-HAZARD-CODES: HEALTH 2 FIRE 3 REACTIVITY 0
UNUSUAL REACTION HAZARD: None

4. REACTIVITY DATA

STABILITY: Stable

INCOMPATIBILITY - MATERIALS TO AVOID:

Oxidizers
HAZARDOUS POLYMERIZATION: Will Not Occur

HAZARDOUS DECOMPOSITION PRODUCTS:

CO, CO₂ and chlorinated decomposition products, with possible trace amounts of chlorine and phosgene, when subjected to excessive heat or flame.

5. ENVIRONMENTAL INFORMATION

SPILL RESPONSE:

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

RECOMMENDED DISPOSAL:

Incinerate absorbed and bulk product after mixing with flammable material in a permitted 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 = 515 grams/liter.
Maximum VOC minus Water minus Exempt Solvents = 515 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

6. SUGGESTED FIRST AID

EYE CONTACT:

Immediately flush eyes with plenty of water. Call a physician.

SKIN CONTACT:

Wash affected area with soap and water.

INHALATION:

If symptoms occur, remove person to fresh air. If symptoms continue,

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

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6. SUGGESTED FIRST AID (continued)

call a physician.
IF SWALLOWED:
 Do not induce vomiting. Immediately call a physician.
OTHER FIRST AID:
 NONE

7. PRECAUTIONARY INFORMATION

FOR INDUSTRIAL OR PROFESSIONAL USE ONLY. Keep product and its vapor away from heat, sparks, flame and other sources of ignition. The vapors released by this product can easily be ignited and burn explosively. Avoid breathing vapors. Use only in areas with sufficient ventilation to maintain vapor concentration below recommended exposure limits. Avoid contact with eyes and skin. Wear eye (e.g. safety glasses or chemical goggles) and skin (e.g. impervious gloves) protection to avoid contact. Keep container tightly closed when not in use. Keep out of the reach of children.

ADDITIONAL EXPOSURE LIMITS

INGREDIENTS	EXPOSURE LIMITS		LIMITS	
	VALUE	UNIT	TYPE	AUTH
Methyl Ethyl Ketone	590	mg/m3	TWA	ACGIH
Methyl Ethyl Ketone	300	ppm	STEL	ACGIH
Methyl Ethyl Ketone	885	mg/m3	STEL	ACGIH
Methyl Ethyl Ketone	200	ppm	TWA	OSHA
Methyl Ethyl Ketone	590	mg/m3	TWA	OSHA
Methyl Ethyl Ketone	300	ppm	STEL	OSHA
Methyl Ethyl Ketone	885	mg/m3	STEL	OSHA
n-Hexane	176	mg/m3	TWA	ACGIH
n-Hexane	50	ppm	TWA	OSHA
n-Hexane	180	mg/m3	TWA	OSHA
Toluene	377	mg/m3	TWA	ACGIH
Toluene	150	ppm	STEL	ACGIH
Toluene	565	mg/m3	STEL	ACGIH
Toluene	100	ppm	TWA	OSHA
Toluene	375	mg/m3	TWA	OSHA
Toluene	150	ppm	STEL	OSHA
Toluene	560	mg/m3	STEL	OSHA
Cyclohexane	1030	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. Symptoms may include tearing, redness and blurred vision.

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8. HEALTH HAZARD DATA (continued)

SKIN CONTACT: Acute exposure may cause mild skin irritation. Prolonged or repeated contact will produce defatting of skin and resultant dermatitis.

INHALATION: Vapor overexposure may cause respiratory system irritation and temporary nervous system impairment (light-headedness). Petroleum distillate contains n-hexane. Repeated or extreme overexposure to n-hexane vapor may cause nervous system damage. Exposure to methyl ethyl ketone (MEK) and n-hexane in combination may cause a greater potential for peripheral nerve damage. Symptoms of overexposure may include drowsiness, dizziness, nausea, vomiting and headache. Prolonged or repeated overexposure may cause any of the following: Depression, facial numbness, visual disorders, giddiness and anemia.

INGESTION: May cause digestive system irritation and nervous system impairment. Symptoms may include nausea, diarrhea and vomiting. Aspiration of liquid into the lung as a result of vomiting may cause lung damage, which can be fatal.

SECTION CHANGE DATES

INGREDIENTS	SECTION CHANGED SINCE	MAY 24, 1990	ISSUE
PHYSICAL DATA	SECTION CHANGED SINCE	MAY 24, 1990	ISSUE
FIRE & EXP. DATA	SECTION CHANGED SINCE	MAY 24, 1990	ISSUE
HEALTH HAZD. DATA	SECTION CHANGED SINCE	MAY 24, 1990	ISSUE

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

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.

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MATERIAL SAFETY
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DIVISION: AUTOMOTIVE TRADES DIVISION
 TRADE NAME:
 3M Weatherstrip Adhesive (Black) Part Nos. 8011 and 8013
 3M I.D. NUMBER: 62-4799-2609-9

ISSUED: FEBRUARY 19, 1991
 SUPERSEDES: APRIL 12, 1990
 DOCUMENT: 10-2974-3

1. INGREDIENT	C.A.S. NO.	PERCENT	EXPOSURE		LIMITS	
			VALUE	UNIT	TYPE	AUTH
Petroleum Distillate	64741-84-0	30.0 - 40.0	NONE	NONE	NONE	NONE
n-Hexane	110-54-3	10.0 - 20.0	50	ppm	TWA	ACGIH
Talc	14807-96-6	1.0 - 10.0	2	mg/m ³	TWA	ACGIH
Polyisoprene	9003-31-0	1.0 - 10.0	NONE	NONE	NONE	NONE
Styrene-Butadiene Polymer	9003-55-8	1.0 - 10.0	NONE	NONE	NONE	NONE
Hydrocarbon Resin	68478-07-9	1.0 - 10.0	NONE	NONE	NONE	NONE
Magnesium Resinate	68611-24-5	1.0 - 5.0	NONE	NONE	NONE	NONE
Cyclohexane	110-82-7	1.0 - 5.0	300	ppm	TWA	ACGIH
Toluene	108-88-3	1.0 - 5.0	100	ppm	TWA	ACGIH
Ethyl Alcohol	64-71-5	0.1 - 1.0	NONE	NONE	NONE	NONE

SOURCE OF EXPOSURE LIMIT DATA:
 - ACGIH: American Conference of Governmental Industrial Hygienists
 - NONE: None Established

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
 Toluene

2. PHYSICAL DATA

BOILING POINT:..... 148.00-189.00 F
 (Petroleum Distillate)
 VAPOR PRESSURE:..... 120.0000 mmHg
 @ 68F
 VAPOR DENSITY: 3.00 Air = 1
 EVAPORATION RATE:..... 2.50 Ether = 1
 SOLUBILITY IN WATER: Very slight
 SP. GRAVITY:..... 0.820 Water = 1
 PERCENT VOLATILE: ca. 65.00 %
 VOLATILE ORGANICS: 497.00 gm/l
 pH: N/D
 VISCOSITY: 7500.0-18000.0 CPS
 APPEARANCE AND ODOR: Black, medium paste, mild odor

3. FIRE AND EXPLOSION HAZARD DATA

FLASH POINT:..... -6.00 F T.C.C.
 (Petroleum Distillate)
 FLAMMABLE LIMITS - LEL: 1.00 %
 FLAMMABLE LIMITS - UEL: 7.00 %
 AUTOIGNITION TEMPERATURE: ... N/D
 EXTINGUISHING MEDIA:
 CO₂, foam, dry chemical
 SPECIAL FIRE FIGHTING PROCEDURES:
 Fire fighters should be equipped with self-contained breathing

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

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3. FIRE AND EXPLOSION HAZARD DATA (continued)

apparatus when fighting fires involving this material.
UNUSUAL FIRE AND EXPLOSION HAZARDS:
Extremely flammable. Overheated, closed containers adjacent to fire
could explode due to pressure buildup.
NFPA-HAZARD-CODES: HEALTH 2 FIRE 4 REACTIVITY 0
UNUSUAL REACTION HAZARD: NONE

4. REACTIVITY DATA

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.

5. ENVIRONMENTAL INFORMATION

SPILL RESPONSE:
Extinguish all ignition sources. Ventilate the area. Observe the
precautions from other sections. Collect spilled material. Place in
a U.S. Department of Transportation - approved metal container, and
seal.

RECOMMENDED DISPOSAL:
Incinerate 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 = 494 grams/liter.
Maximum VOC minus Water Exempt Solvents = 497 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

6. SUGGESTED FIRST AID

EYE CONTACT:
Immediately flush eyes with plenty of water for at least 15 minutes,
holding eyelids open. Call a physician.

SKIN CONTACT:
Wash affected area with soap and water. Prolonged contact may defat
skin, resulting in dryness or cracking of the skin.

INHALATION:
Provide fresh air. If not breathing, give artificial respiration.

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

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6. SUGGESTED FIRST AID (continued)

Call a physician.

IF SWALLOWED:

Do not induce vomiting; immediately call a physician.

OTHER FIRST AID:

NONE

7. PRECAUTIONARY INFORMATION

FOR INDUSTRIAL OR PROFESSIONAL USE ONLY. Keep away from heat, sparks, flames, and other sources of ignition. The vapors released from the product can be ignited easily. Avoid prolonged breathing of vapors. Use only in areas with sufficient ventilation to maintain vapor concentrations below recommended exposure limits. Provide local exhaust ventilation if necessary. Keep container closed 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 reach of children.

ADDITIONAL EXPOSURE LIMITS

INGREDIENTS	EXPOSURE LIMITS		AUTH	
	VALUE	UNIT	TYPE	
n-Hexane	176	mg/m3	TWA	ACGIH
n-Hexane	50	ppm	TWA	OSHA
n-Hexane	180	mg/m3	TWA	OSHA
Talc	2	mg/m3	TWA	OSHA
Cyclohexane	1030	mg/m3	TWA	ACGIH
Cyclohexane	300	ppm	TWA	OSHA
Cyclohexane	1050	mg/m3	TWA	OSHA
Toluene	377	mg/m3	TWA	ACGIH
Toluene	150	ppm	STEL	ACGIH
Toluene	565	mg/m3	STEL	ACGIH
Toluene	100	ppm	TWA	OSHA
Toluene	375	mg/m3	TWA	OSHA
Toluene	150	ppm	STEL	OSHA
Toluene	560	mg/m3	STEL	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 irritation. Vapor may cause irritation.

SKIN CONTACT: Prolonged and repeated contact may cause irritation and dermatitis. May be absorbed through skin. Symptoms include dryness and cracking.

INHALATION: Inhalation of vapors at concentrations exceeding the

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8. HEALTH HAZARD DATA (continued)

established exposure limits may cause respiratory system irritation. Symptoms of overexposure include drowsiness, light-headedness, dizziness, nausea and headache. Petroleum distillate contains n-hexane. Repeated or extreme overexposure to n-hexane vapor may cause nervous system damage. Gross overexposure, such as would occur with deliberate inhalation of concentrated vapors, may cause nervous system damage as well as liver damage and blood effects.

INGESTION: May cause digestive system irritation, nausea, diarrhea and vomiting. Solvent aspiration into the lung as a result of vomiting may cause lung damage, which can be fatal.

SECTION CHANGE DATES

INGREDIENTS	SECTION CHANGED SINCE	APRIL 12, 1990	ISSUE
PHYSICAL DATA	SECTION CHANGED SINCE	APRIL 12, 1990	ISSUE
FIRE & EXP. DATA	SECTION CHANGED SINCE	APRIL 12, 1990	ISSUE
HEALTH HAZD. DATA	SECTION CHANGED SINCE	APRIL 12, 1990	ISSUE

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

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