

MATERIAL SAFETY DATA SHEET 3M
3M Center
St. Paul, Minnesota
55144-1000
1-800-364-3577 or (651) 737-6501 (24 hours)

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DIVISION: AUTOMOTIVE AFTERMARKET

TRADE NAME:

3M(TM) Weatherstrip Adhesive - Black, P.N. 08011

ID NUMBER/U.P.C.:

60-9800-2703-5 00-51135-08011-5 62-4799-2609-9 00-51135-08011-5

ISSUED: November 28, 2001

SUPERSEDES: April 16, 2001

DOCUMENT: 10-2974-3

1. INGREDIENT	C.A.S. NO.	PERCENT
HEXANE ISOMERS.....	Unknown	10.0 - 30.0
HEXANE.....	110-54-3	10.0 - 30.0
CARBON DIOXIDE.....	124-38-9	7.0 - 13.0
TALC.....	14807-96-6	5.0 - 10.0
MEDIUM ALIPHATIC SOLVENT NAPHTHA.....	64742-88-7	5.0 - 10.0
MIXED HEPTANES.....	Unknown	5.0 - 10.0
TOLUENE.....	108-88-3	5.0 - 10.0
STYRENE-BUTADIENE POLYMER.....	9003-55-8	3.0 - 7.0
NAPHTHA, LIGHT STEAM-CRACKED AROM., PIPERYLENE CONC., POLYMD.....	68478-07-9	1.0 - 5.0
POLYISOPRENE.....	9003-31-0	3.0 - 7.0
NAPHTHA (PETROLEUM), SOLVENT-REFINED LIGHT.....	64741-84-0	1.0 - 5.0
CALCIUM ZINC RESINATE.....	68334-35-0	1.0 - 5.0
PHENOL, POLYMER WITH FORMALDEHYDE, MAGNESIUM OXIDE COMPLEX.....	68611-24-5	1.0 - 5.0
FORMALDEHYDE, POLYMER WITH 4-(1,1- DIMETHYLETHYL) PHENOL, MAGNESIUM OXIDE COMPLEX.....	68037-42-3	1.0 - 5.0
CYCLOHEXANE.....	110-82-7	< 2.0
ETHYL ALCOHOL.....	64-17-5	0.1 - 1.0
CARBON BLACK.....	1333-86-4	< 0.3

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

TOLUENE

CALCIUM ZINC RESINATE

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

1. INGREDIENT	C.A.S. NO.	PERCENT
CYCLOHEXANE		

2. PHYSICAL DATA

BOILING POINT:..... 148.00 - 189.00 F
VAPOR PRESSURE:..... 120.0000 mmHg
 @ 68F
VAPOR DENSITY:..... 3.00 Air=1
EVAPORATION RATE:..... 2.50 Ether=1
SOLUBILITY IN WATER:..... Very slight
SPECIFIC GRAVITY:..... 0.820 Water=1
PERCENT VOLATILE:..... ca. 65.00 % by wt
pH:..... N/D
VISCOSITY:..... 7500.0 - 18000.0 centipoise
MELTING POINT:..... N/D

APPEARANCE AND ODOR:
medium paste, black, mild odor

3. FIRE AND EXPLOSION HAZARD DATA

FLASH POINT:..... -6.00 F TCC
FLAMMABLE LIMITS - LEL:..... 1.00 % by vol
FLAMMABLE LIMITS - UEL:..... 7.00 % 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

OSHA FIRE HAZARD CLASS: Class IB Flammable Liquid

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4. REACTIVITY DATA

STABILITY: Stable

INCOMPATIBILITY - MATERIALS/CONDITIONS TO AVOID:

Not applicable.

HAZARDOUS POLYMERIZATION: Hazardous polymerization will not occur.

HAZARDOUS DECOMPOSITION PRODUCTS:

Carbon Monoxide and Carbon Dioxide, 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. Ventilate area. Extinguish all ignition sources. Contain spill. Cover with absorbent material. Cover spill area with Light Water Brand or other AFFF foam. (For further information on AFFF foam usage, contact 3M Fire Protection Systems.) Collect using non-sparking tools. Clean up residue with an appropriate organic solvent. Read and follow safety precautions on the solvent label and MSDS. Place in an approved metal container. Seal the container.

RECOMMENDED DISPOSAL:

Incinerate in a permitted hazardous waste incinerator. Disposal alternative: Dispose of completely absorbed waste product in a hazardous waste facility.

ENVIRONMENTAL DATA:

Not determined.

REGULATORY INFORMATION:

Volatile Organic Compounds: 4.14 lb/gal calculated per SCAQMD rule 443.1.
Volatile Organic Compounds: 497 gms/liter calculated per SCAQMD rule 443.1.

VOC Less H2O & Exempt Solvents: 497 gms/liter calculated per SCAQMD rule 443.1.

Since regulations vary, consult applicable regulations or authorities before disposal. In the event of an uncontrolled release of this material, the user should determine if the release qualifies as a reportable quantity. U.S. EPA Hazardous Waste Number = D001 (Ignitable) D018 (Benzene)

EPCRA HAZARD CLASS:

FIRE HAZARD: Yes PRESSURE: No REACTIVITY: No ACUTE: Yes CHRONIC: Yes

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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:

Do not induce vomiting. Drink two glasses of water. Call a physician.

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, polyvinyl alcohol. Use one or more of the following personal protection items as necessary to prevent skin contact: apron, coveralls.

RECOMMENDED VENTILATION:

Use in a well-ventilated area. Provide sufficient ventilation to maintain emissions below recommended exposure limits. If exhaust ventilation is not adequate, use appropriate respiratory protection.

RESPIRATORY PROTECTION:

Avoid prolonged breathing of vapors. Select one of the following NIOSH approved respirators based on airborne concentration of contaminants and in accordance with OSHA regulations: full-face organic vapor respirator.

PREVENTION OF ACCIDENTAL INGESTION:

Do not eat, drink or smoke when using this product. Wash exposed areas thoroughly with soap and water. Wash hands after handling and before eating. Do not ingest.

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7. PRECAUTIONARY INFORMATION (continued)

RECOMMENDED STORAGE:

Keep container closed when not in use. Keep container in well-ventilated area.

FIRE AND EXPLOSION AVOIDANCE:

Keep container tightly closed. Keep away from heat, sparks, open flame, and other sources of ignition. Ground containers securely when transferring contents. Wear low static or properly grounded shoes. Do not pierce or burn container, even after use.

OTHER PRECAUTIONARY INFORMATION:

For industrial or professional use only.

HMIS HAZARD RATINGS: HEALTH: 2 FLAMMABILITY: 4 REACTIVITY: 0
PERSONAL PROTECTION: A

EXPOSURE LIMITS

INGREDIENT	VALUE	UNIT	TYPE	AUTH	SKIN*
HEXANE ISOMERS.....	NONE	NONE	NONE	NONE	
HEXANE.....	50	PPM	TWA	ACGIH	Y
HEXANE.....	50	PPM	TWA	OSHA	
	OSHA VACATED PEL				
HEXANE.....	500	PPM	TWA	OSHA	
CARBON DIOXIDE.....	5000	PPM	TWA	ACGIH	
CARBON DIOXIDE.....	30000	PPM	STEL	ACGIH	
CARBON DIOXIDE.....	10000	PPM	TWA	OSHA	
CARBON DIOXIDE.....	30000	PPM	STEL	OSHA	
TALC.....	2	MG/M3	TWA	OSHA	
	RESPIRABLE				
TALC.....	2	MG/M3	TWA	ACGIH	
	RESPIRABLE				
TALC.....	0.5	MG/M3	TWA	CMRG	
	AS RESPIRABLE DUST				
MEDIUM ALIPHATIC SOLVENT NAPHTHA.....	100	PPM	TWA	CMRG	
MIXED HEPTANES.....	NONE	NONE	NONE	NONE	
TOLUENE.....	50	PPM	TWA	ACGIH	Y
TOLUENE.....	100	PPM	TWA	OSHA	
	OSHA VACATED PEL				
TOLUENE.....	150	PPM	STEL	OSHA	
	OSHA VACATED PEL				
TOLUENE.....	200	PPM	TWA	OSHA	
TOLUENE.....	300	PPM	CEIL	OSHA	
TOLUENE.....	75	PPM	STEL	CMRG	Y
STYRENE-BUTADIENE POLYMER.....	NONE	NONE	NONE	NONE	
NAPHTHA, LIGHT STEAM-CRACKED AROM., PIPERYLENE CONC., POLYMD.....	NONE	NONE	NONE	NONE	
POLYISOPRENE.....	NONE	NONE	NONE	NONE	
NAPHTHA (PETROLEUM), SOLVENT-					

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

EXPOSURE LIMITS (continued)

INGREDIENT	VALUE	UNIT	TYPE	AUTH	SKIN*
REFINED LIGHT.....	NONE	NONE	NONE	NONE	
CALCIUM ZINC RESINATE.....	NONE	NONE	NONE	NONE	
PHENOL, POLYMER WITH FORMALDEHYDE, MAGNESIUM OXIDE COMPLEX.....	NONE	NONE	NONE	NONE	
FORMALDEHYDE, POLYMER WITH 4-(1,1- DIMETHYLETHYL)PHENOL, MAGNESIUM OXIDE COMPLEX.....	NONE	NONE	NONE	NONE	
CYCLOHEXANE.....	300	PPM	TWA	ACGIH	
CYCLOHEXANE.....	300	PPM	TWA	OSHA	
ETHYL ALCOHOL.....	1000	PPM	TWA	ACGIH	
ETHYL ALCOHOL.....	1000	PPM	TWA	OSHA	
CARBON BLACK.....	3.5	MG/M3	TWA	ACGIH	
CARBON BLACK.....	3.5	MG/M3	TWA	OSHA	
CARBON BLACK.....	0.5	MG/M3	TWA	CMRG	

* 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
- CMRG: Chemical Manufacturer Recommended Exposure Guidelines
- OSHA: Occupational Safety and Health Administration
- OSHAV: Occupational Safety and Health Administration Vacated PEL.
Vacated Permissible Exposure Limits (PEL) are enforced as the OSHA PEL in some states. Check with your local regulatory authority.

- NONE: None Established

8. HEALTH HAZARD DATA

EYE CONTACT:

Mild Eye Irritation: signs/symptoms can include redness, swelling, pain, and tearing.

SKIN CONTACT:

Mild Skin Irritation: signs/symptoms can include redness, swelling, and itching.

May be absorbed through the skin and produce effects similar to those caused by inhalation and/or ingestion.

INHALATION:

May be harmful if inhaled.

Central Nervous System Depression: signs/symptoms can include

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8. HEALTH HAZARD DATA (continued)

headache, dizziness, drowsiness, incoordination, slowed reaction time, 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.

Prolonged or repeated overexposure, above recommended guidelines, may cause:

Liver Effects: signs/symptoms can include yellow skin(jaundice) and tenderness of upper abdomen.

Central Neuropathy: signs/symptoms can include dizziness, incoordination, visual changes, emotional changes, tremors and convulsions.

Pneumoconiosis (general): signs/symptoms can include persistent coughing and shortness of breath.

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.

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.

CANCER:

WARNING: Contains a chemical which can cause cancer. (1333-86-4)
(IARC possible human carcinogen 2B)

Note: This product contains ethanol. In IARC published Monograph No. 44, entitled, "Alcohol Drinking", the carcinogenicity of ethanol was determined based on chronic exposure to ethanol through human consumption of alcoholic beverages. This is not an expected effect during the foreseeable use of this product.

REPRODUCTIVE/DEVELOPMENTAL TOXINS:

WARNING: Contains a chemical which can cause birth defects. (108-88-3)

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SECTION CHANGE DATES

PRECAUTIONARY INFO. SECTION CHANGED SINCE April 16, 2001 ISSUE

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