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MATERIAL SAFETY  
DATA SHEET

3M  
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St. Paul, Minnesota  
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DIVISION: ENGINEERED ADHESIVES  
HOME CARE DIVISION

TRADE NAME:

3M(TM) Safety-Walk(TM) Brand Edge Sealing Compound

ID NUMBER/U.P.C.:

62-5569-2660-8 00-21200-21531-5 70-0705-4946-7 00-48011-19340-8

ISSUED: May 24, 2001

SUPERSEDES: April 17, 2001

DOCUMENT: 10-5249-7

1. INGREDIENT	C.A.S. NO.	PERCENT
POLY(BUTYL METHACRYLATE).....	9003-63-8	40.0 - 50.0
NONANES.....	Mixture	20.0 - 30.0
OCTANES.....	Mixture	15.0 - 25.0
TOLUENE.....	108-88-3	7.0 - 13.0
N-BUTYL METHACRYLATE.....	97-88-1	1.0 - 5.0

IN CASE OF EMERGENCY: THE NUMBERS AT THE TOP OF THIS PAGE PROVIDE 24  
HOUR RESPONSE FROM ANY PHONE FOR ALL EMERGENCIES WITH THIS PRODUCT.  
The components of this product are in compliance with the chemical  
notification requirements of TSCA. All applicable chemical  
ingredients in this material are listed on the European Inventory of  
Existing Chemical Substances (EINECS), or are exempt polymers whose  
monomers are listed on EINECS.

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:  
TOLUENE

2. PHYSICAL DATA

BOILING POINT:..... 232.00 F  
(toluene)  
VAPOR PRESSURE:..... 25.1900 mmHg  
@ 68F  
VAPOR DENSITY:..... 3.00 Air=1

Abbreviations: N/D - Not Determined N/A - Not Applicable CA - Approximately  
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2. PHYSICAL DATA (continued)  
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EVAPORATION RATE:..... > 2.00 Ether=1  
SOLUBILITY IN WATER:..... Nil  
SPECIFIC GRAVITY:..... 0.880 Water=1  
PERCENT VOLATILE:..... 55.00 % by wt  
PH:..... N/D  
VISCOSITY:..... 5700.0 - 6600.0 centipoise  
MELTING POINT:..... N/D

APPEARANCE AND ODOR:  
Clear liquid - odor of naphtha

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3. FIRE AND EXPLOSION HAZARD DATA  
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FLASH POINT:..... 40.00 F  
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  
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STABILITY: Stable

INCOMPATIBILITY - MATERIALS/CONDITIONS TO AVOID:  
Strong Oxidizing Agents.

HAZARDOUS POLYMERIZATION: Hazardous polymerization will not occur.

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4. REACTIVITY DATA (continued)  
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HAZARDOUS DECOMPOSITION PRODUCTS:

Carbon Monoxide and Carbon Dioxide, Aldehydes, Ketones, Hydrocarbons.

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5. ENVIRONMENTAL INFORMATION  
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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. Cover with absorbent material. 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. Dispose of waste product in a facility permitted to accept chemical waste.

ENVIRONMENTAL DATA:

Not determined.

REGULATORY INFORMATION:

Volatile Organic Compounds: 481 gms/liter South Coast Air Quality Mgmt Dist Method Rule 443.1, calculated.  
VOC Less H2O & Exempt Solvents: 481 gms/liter South Coast Air Quality Mgmt Dist Method Rule 443.1, calculated.

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

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6. SUGGESTED FIRST AID  
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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.

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6. SUGGESTED FIRST AID (continued)  
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**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.

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**7. PRECAUTIONARY INFORMATION**  
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**EYE PROTECTION:**

Avoid eye contact. Wear unvented goggles during operations in which exposure is likely.

**SKIN PROTECTION:**

Avoid skin contact. Wear appropriate gloves when handling this material. A pair of gloves made from the following material(s) are recommended: polyethylene/ethylene vinyl alcohol, polyvinyl alcohol, polytetrafluoroethylene (Teflon), fluoroelastomer (Viton).

**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: half-mask organic vapor respirator, full-face organic vapor respirator.

**PREVENTION OF ACCIDENTAL INGESTION:**

Wash hands after handling and before eating. Do not ingest.

**RECOMMENDED STORAGE:**

Store away from heat. Keep container closed when not in use. Keep out of the reach of children.

**FIRE AND EXPLOSION AVOIDANCE:**

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

**EXPOSURE LIMITS**

INGREDIENT	VALUE	UNIT	TYPE	AUTH	SKIN*
POLY (BUTYL METHACRYLATE).....	NCNE	NONE	NONE	NONE	
NONANES.....	NCNE	NONE	NONE	NONE	
OCTANES.....	NCNE	NONE	NONE	NONE	

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**EXPOSURE LIMITS (continued)**

INGREDIENT	VALUE	UNIT	TYPE	AUTH	SKIN*
TOLUENE.....	50	PPM	TWA	ACGIH	Y
TOLUENE.....	100	PPM	TWA	OSHA	
TOLUENE.....	150	PPM	STEL	OSHA	

	OSHA VACATED PEL			
TOLUENE.....	200	PPM	TWA	OSHA
TOLUENE.....	300	PPM	CEIL	OSHA
N-BUTYL METHACRYLATE.....	50	PPM	TWA	CMRG
N-BUTYL METHACRYLATE.....	75	PPM	STEL	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

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 B. HEALTH HAZARD DATA  
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EYE CONTACT:

Moderate Eye Irritation: signs/symptoms can include redness, swelling, pain, tearing, and hazy vision.

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:

Central Nervous System Depression: signs/symptoms can include 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

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 B. HEALTH HAZARD DATA (continued)  
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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.

Cardiac Sensitization: sudden heart stoppage due to a reflex effect on the nerves which control the heart. This effect usually occurs only after inhalation of concentrated vapors such as in intentional

abusive sniffing of certain solvents and propellants.

Heart Effects: signs/symptoms can include arrhythmia, heart attack and death.

**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.

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.

Kidney Effects: signs/symptoms can include reduced urine volume, blood in urine and back pain.

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

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.

**REPRODUCTIVE/DEVELOPMENTAL TOXINS:**

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

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**SECTION CHANGE DATES**  
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HEADING	SECTION CHANGED SINCE April 17, 2001	ISSUE
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