

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

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This material safety data sheet (MSDS) is provided as a courtesy  
 in response to a customer request. This product is not regulated  
 under, and a MSDS is not required for this product by the OSHA  
 Hazard Communication Standard (29 CFR 1910.1200) because, when  
 used as recommended or under ordinary conditions, it should not  
 present a health and safety hazard. However, use or processing  
 of the product not in accordance with the product's  
 recommendations or not under ordinary conditions may affect the  
 performance of the product and may present potential health and  
 safety hazards.

DIVISION: BONDING SYSTEMS DIVISION

TRADE NAME:

NO. 4979 "VHB" BLACK ACRYLIC FOAM TAPE

ID NUMBER/U.P.C.:

70-0000-8460-1        -        -        -        70-0061-9685-4    00-21200-26236-4

ISSUED: March 09, 1998

SUPERSEDES: February 24, 1997

DOCUMENT: 07-4432-6

1. INGREDIENT	C.A.S. NO.	PERCENT
ACRYLATE POLYMER WITH GLASS AND SILICA FILLERS.....	9017-68-9	70 - 95
ACRYLATE TERPOLYMER.....	Unknown	6 - 27
CARBON.....	1333-86-4	1 - 5

2. PHYSICAL DATA

BOILING POINT:..... N/A  
 VAPOR PRESSURE:..... N/A  
 VAPOR DENSITY:..... N/A  
 EVAPORATION RATE:..... N/A  
 SOLUBILITY IN WATER:..... N/A  
 SPECIFIC GRAVITY:..... ca. .9 Water=1  
 PERCENT VOLATILE:..... N/A  
 pH:..... N/A  
 VISCOSITY:..... N/A

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

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2. PHYSICAL DATA (continued)  
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MELTING POINT:..... N/A

APPEARANCE AND ODOR:

Film, Gray, Slight Acrylate Odor

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3. FIRE AND EXPLOSION HAZARD DATA  
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FLASH POINT:..... N/A

FLAMMABLE LIMITS - LEL:..... N/A

FLAMMABLE LIMITS - UEL:..... N/A

AUTOIGNITION TEMPERATURE:..... N/D

EXTINGUISHING MEDIA:

Water, Water spray, Carbon dioxide, Dry chemical, Dry powder, Foam

SPECIAL FIRE FIGHTING PROCEDURES:

None known.

UNUSUAL FIRE AND EXPLOSION HAZARDS:

No unusual fire or explosion hazards are anticipated.

NFPA HAZARD CODES: HEALTH: 0 FIRE: 1 REACTIVITY: 0

UNUSUAL REACTION HAZARD: none

OSHA FIRE HAZARD CLASS: Not applicable

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4. REACTIVITY DATA  
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STABILITY: Stable

INCOMPATIBILITY - MATERIALS/CONDITIONS TO AVOID:

None known.

HAZARDOUS POLYMERIZATION: Hazardous polymerization will not occur.

HAZARDOUS DECOMPOSITION PRODUCTS:

Carbon Monoxide and Carbon Dioxide.

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5. ENVIRONMENTAL INFORMATION  
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SPILL RESPONSE:

Observe precautions from other sections. Collect spilled material.

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

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5. ENVIRONMENTAL INFORMATION (continued)  
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RECOMMENDED DISPOSAL:

Dispose of waste product in a sanitary landfill. Disposal alternative: Incinerate in an industrial or commercial facility in the presence of a combustible material.

ENVIRONMENTAL DATA:

Not determined.

REGULATORY INFORMATION:

Volatile Organic Compounds: N/A.  
VOC Less H2O & Exempt Solvents: N/A.

Since regulations vary, consult applicable regulations or authorities before disposal. U.S. EPA Hazardous Waste Number = None (Not U.S. EPA Hazardous).

EPCRA HAZARD CLASS:

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

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6. SUGGESTED FIRST AID  
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EYE CONTACT:

No need for first aid is anticipated.

SKIN CONTACT:

No need for first aid is anticipated.

INHALATION:

If signs/symptoms occur, remove person to fresh air. If signs/symptoms continue, call a physician.

IF SWALLOWED:

No need for first aid is anticipated.

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7. PRECAUTIONARY INFORMATION  
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EYE PROTECTION:

Not applicable.

SKIN PROTECTION:

Avoid prolonged or repeated skin contact.

RECOMMENDED VENTILATION:

Provide appropriate local exhaust when product is heated.

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7. PRECAUTIONARY INFORMATION (continued)  
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RESPIRATORY PROTECTION:

Avoid breathing of thermal decomposition products.

PREVENTION OF ACCIDENTAL INGESTION:

Not applicable.

RECOMMENDED STORAGE:

Not applicable.

FIRE AND EXPLOSION AVOIDANCE:

Not applicable.

EXPOSURE LIMITS

INGREDIENT	VALUE	UNIT	TYPE	AUTH	SKIN*
ACRYLATE POLYMER WITH GLASS AND SILICA FILLERS.....	NONE	NONE	NONE	NONE	
ACRYLATE TERPOLYMER.....	NONE	NONE	NONE	NONE	
CARBON.....	3.5	MG/M3	TWA	ACGIH	
CARBON.....	3.5	MG/M3	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
- OSHA: Occupational Safety and Health Administration
- NONE: None Established

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8. HEALTH HAZARD DATA  
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EYE CONTACT:

Eye contact is not expected to occur during normal use of the product.

SKIN CONTACT:

Mechanical skin irritation: signs/symptoms can include itching and redness.

INHALATION:

Health effects from inhalation are not expected unless product is heated.

Vapors of heated material may cause respiratory system irritation.

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

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8. HEALTH HAZARD DATA (continued)  
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This product may have a characteristic odor; however, no adverse health effects are anticipated.

IF SWALLOWED:

Ingestion is not a likely route of exposure to this product.

OTHER HEALTH HAZARD INFORMATION:

Exposure to this material in normal storage and handling has not been reported to cause significant adverse health effects. However, under normal processing conditions, e.g. grinding or heating, this product may release fumes and vapors of variable composition based on specific process conditions. These process releases may produce irritation or any of the health effects listed above when the emissions are present at elevated concentrations. Use with appropriate local exhaust ventilation.

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SECTION CHANGE DATES  
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HEADING SECTION CHANGED SINCE February 24, 1997 ISSUE

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