

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

Copyright, 2001, Minnesota Mining and Manufacturing Company.
 All rights reserved. Copying and/or downloading of this
 information for the purpose of properly utilizing 3M products
 is allowed provided that:

- 1) the information is copied in full with no changes unless
 prior agreement is obtained from 3M, and
- 2) neither the copy nor the original is resold or otherwise
 distributed with the intention of earning a profit thereon.

DIVISION: INDUSTRIAL TAPE AND SPECIALTIES DIVISION
 TRADE NAME:

3M (tm) #5451 BROWN PTFE GLASS CLOTH TAPE.

ID NUMBER/U.P.C.:

44-0020-8778-9	-	-	-	44-0020-8797-9	-	-	-
44-0022-2180-0	-	-	-	44-0025-0733-1	-	-	-
44-0025-8649-1	-	-	-	44-0028-7613-2	-	-	-
70-0060-6257-7	00-21200-16156-8	70-0061-9716-7	00-21200-73520-2				
70-0061-9718-3	00-21200-73522-6	70-0061-9742-3	00-21200-73550-9				
70-0061-9770-4	00-21200-73593-6	70-0061-9790-2	00-21200-30105-6				
70-0061-9799-3	00-21200-30122-3	70-0062-0529-1	00-21200-26357-6				
70-0062-1137-2	00-21200-30178-0	70-0062-1140-6	00-21200-30187-2				
70-0062-1257-8	00-21200-38800-2	70-0062-1267-7	00-21200-38814-9				
70-0062-1291-7	00-21200-38844-6	70-0062-6012-2	00-21200-38866-8				
70-0062-6033-8	00-21200-38889-7	70-0062-6066-8	-	-	-		
70-0062-6424-9	00-21200-40994-3	70-0160-3924-3	00-21200-16150-6				
70-0160-4807-9	00-21200-73532-5	70-0160-4822-8	00-21200-73582-0				
70-0160-5450-7	00-21200-16155-1	70-0160-5451-5	00-21200-16154-4				
70-0160-5452-3	00-21200-16153-7	70-0160-5453-1	00-21200-16152-0				
70-0160-5454-9	00-21200-16151-3	70-0160-5455-6	00-21200-07526-1				
70-0160-5456-4	00-21200-16150-6	70-0160-5517-3	00-21200-26308-8				
70-0160-5518-1	00-21200-26314-9	70-0160-5519-9	00-21200-26320-0				
70-0160-5526-4	00-21200-26371-2	70-0160-5626-2	00-21200-30277-0				
70-0160-5635-3	00-21200-30286-2	70-0160-5638-7	00-21200-30289-3				
70-0160-5679-1	00-21200-38809-5						

ISSUED: August 10, 2001
 SUPERSEDES: April 04, 2001
 DOCUMENT: 08-7482-6

1. INGREDIENT	C.A.S. NO.	PERCENT	
GLASS CLOTH.....	9002-84-0	65	- 70
SILICONE RUBBER ADHESIVE.....	TradeSecret	25	- 35
PRIMER LAYER.....	TradeSecret		~ 2

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

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:..... N/A
PERCENT VOLATILE:..... N/D
pH:..... N/A
VISCOSITY:..... N/A
MELTING POINT:..... N/D

APPEARANCE AND ODOR:
Roll of Tape, brown color.

3. FIRE AND EXPLOSION HAZARD DATA

FLASH POINT:..... N/A
FLAMMABLE LIMITS - LEL:..... N/A
FLAMMABLE LIMITS - UEL:..... N/A
AUTOIGNITION TEMPERATURE:..... N/D

EXTINGUISHING MEDIA:
Water spray, Carbon dioxide, Dry chemical

SPECIAL FIRE FIGHTING PROCEDURES:
None known.

UNUSUAL FIRE AND EXPLOSION HAZARDS:
No unusual fire or explosion hazards are anticipated.

NFPA HAZARD CODES: HEALTH: 1 FIRE: 1 REACTIVITY: 0
UNUSUAL REACTION HAZARD: none

OSHA FIRE HAZARD CLASS: Not applicable

4. REACTIVITY DATA

STABILITY: Stable

INCOMPATIBILITY - MATERIALS/CONDITIONS TO AVOID:
None known.

HAZARDOUS POLYMERIZATION: Hazardous polymerization will not occur.

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

4. REACTIVITY DATA (continued)

HAZARDOUS DECOMPOSITION PRODUCTS:
Carbon Monoxide and Carbon Dioxide.

5. ENVIRONMENTAL INFORMATION

SPILL RESPONSE:
Observe precautions from other sections. Collect spilled material.

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/D.
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

6. SUGGESTED FIRST AID

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.

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

7. PRECAUTIONARY INFORMATION

EYE PROTECTION:
Avoid eye contact.

SKIN PROTECTION:
Avoid prolonged or repeated skin contact.

RECOMMENDED VENTILATION:
Use with adequate dilution ventilation.

RESPIRATORY PROTECTION:
Avoid breathing of thermal decomposition products.

PREVENTION OF ACCIDENTAL INGESTION:
Wash hands after handling and before eating. Do not ingest.

RECOMMENDED STORAGE:
Store in a cool place. Store out of direct sunlight.

FIRE AND EXPLOSION AVOIDANCE:
Keep away from heat, sparks, open flame, and other sources of ignition.

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

EXPOSURE LIMITS

INGREDIENT	VALUE	UNIT	TYPE	AUTH	SKIN*
GLASS CLOTH.....	10	MG/M3	TWA	CMRG	
		AS TOTAL DUST			
GLASS CLOTH.....	5	MG/M3	TWA	CMRG	
		AS RESPIRABLE DUST			
SILICONE RUBBER ADHESIVE.....	NONE	NONE	NONE	NONE	
PRIMER LAYER.....	NONE	NONE	NONE	NONE	

* 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:
- CMRG: Chemical Manufacturer Recommended Exposure Guidelines
- NONE: None Established

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

8. HEALTH HAZARD DATA

EYE CONTACT:

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

No adverse health effects are expected from eye contact.

SKIN CONTACT:

No adverse health effects are expected from skin contact.

Contact with the skin during product use is not expected to result in significant irritation.

INHALATION:

Health effects from inhalation are not expected unless the product is over heated and decomposition occurs.

If thermal decomposition occurs:

Irritation (upper respiratory): signs/symptoms can include soreness of the nose and throat, coughing and sneezing.

IF SWALLOWED:

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

No adverse health effects are expected from swallowing.

SECTION CHANGE DATES

PRECAUTIONARY INFO. SECTION CHANGED SINCE April 04, 2001 ISSUE

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

The information in this Material Safety Data Sheet (MSDS) is believed to be correct as of the date issued. 3M MAKES NO WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR COURSE OF PERFORMANCE OR USAGE OF TRADE. User is responsible for determining whether the 3M product is fit for a particular purpose and suitable for user's method of use or application. Given the variety of factors that can affect the use and application of a 3M product, some of which are uniquely within the user's knowledge and control, it is essential that the user evaluate the 3M product to determine whether it is fit for a particular purpose and suitable for user's method of use or application.

3M provides information in electronic form as a service to its customers. Due to the remote possibility that electronic transfer may have resulted in errors, omissions or alterations in this information, 3M makes no representations as to its completeness or accuracy. In addition, information obtained from a database may not be as current as the information in the MSDS available directly from 3M.