

MATERIAL SAFETY 3M
 DATA SHEET 3M Center
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DIVISION: INDUSTRIAL TAPE AND SPECIALTIES DIVISION
 TRADE NAME:

Scotch brand No. 5419 Low Static Polyimide Film Tape
 ID NUMBER/U.P.C. :
 70-0000-8134-2 - - - 70-0000-8226-6 - - -
 70-0061-9643-3 00-21200-26208-1 70-0061-9703-5 00-21200-73502-8
 70-0061-9734-0 00-21200-73541-7 70-0160-5065-3 00-21200-64863-2
 70-0160-5066-1 00-21200-23774-4 70-0160-5067-9 00-21200-64865-6
 70-0160-5068-7 00-21200-64866-3 70-0160-5481-2 00-21200-23959-5
 70-0160-5488-7 00-21200-24294-6 70-0160-5521-5 00-21200-26332-3
 70-0160-5522-3 00-21200-26331-6 70-0160-5523-1 00-21200-26330-9

ISSUED: March 21, 2001
 SUPERSEDES: July 12, 2000
 DOCUMENT: 07-5794-8

1. INGREDIENT	C.A.S. NO.	PERCENT
MQ RESIN.....	56275-01-5	15 - 40
SILICONES AND SILOXANES.....	68083-14-7	15 - 40
POLYIMIDE FILM BACKING.....	25038-81-7	15 - 40

A Material Safety Data Sheet is not required by the OSHA Hazard
 Communication Standard (29 CFR 1910.1200) for this product. This
 MSDS is provided as a service to customers.

2. PHYSICAL DATA

BOILING POINT:.....	N/A
VAPOR PRESSURE:.....	N/A
VAPOR DENSITY:.....	N/A
EVAPORATION RATE:.....	N/A
SOLUBILITY IN WATER:.....	nil
SPECIFIC GRAVITY:.....	N/A
PERCENT VOLATILE:.....	0 %
pH:.....	N/A
VISCOSITY:.....	N/A
MELTING POINT:.....	N/D

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

2. PHYSICAL DATA (continued)

APPEARANCE AND ODOR:

Roll of Tape, brown, no odor.

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, Carbon dioxide, Dry chemical, Foam

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: 0 REACTIVITY: 0
UNUSUAL REACTION HAZARD: none

4. REACTIVITY DATA

STABILITY: Stable

INCOMPATIBILITY - MATERIALS/CONDITIONS TO AVOID:

Avoid temperatures above 200 C without adequate ventilation.

HAZARDOUS POLYMERIZATION: Hazardous polymerization will not occur.

HAZARDOUS DECOMPOSITION PRODUCTS:

Carbon Monoxide and Carbon Dioxide, Formaldehyde.

5. ENVIRONMENTAL INFORMATION

SPILL RESPONSE:

Not applicable.

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.

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5. ENVIRONMENTAL INFORMATION (continued)

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

6. SUGGESTED FIRST AID

EYE CONTACT:

No need for first aid is anticipated.

SKIN CONTACT:

No need for first aid is anticipated.

INHALATION:

No need for first aid is anticipated.

IF SWALLOWED:

No need for first aid is anticipated.

7. PRECAUTIONARY INFORMATION

EYE PROTECTION:

Not applicable.

SKIN PROTECTION:

Avoid prolonged or repeated skin contact.

RECOMMENDED VENTILATION:

Provide appropriate local exhaust when product is heated.

RESPIRATORY PROTECTION:

Avoid breathing of thermal decomposition products.

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7. PRECAUTIONARY INFORMATION (continued)

PREVENTION OF ACCIDENTAL INGESTION:
Not applicable.

RECOMMENDED STORAGE:
Not applicable.

FIRE AND EXPLOSION AVOIDANCE:
Not applicable.

EXPOSURE LIMITS

INGREDIENT	VALUE	UNIT	TYPE	AUTH	SKIN*
MQ RESIN.....	NONE	NONE	NONE	NONE	
SILICONES AND SILOXANES.....	NONE	NONE	NONE	NONE	
POLYIMIDE FILM BACKING.....	10	MG/M3	TWA	CMRG	
		AS TOTAL DUST			
POLYIMIDE FILM BACKING.....	5	MG/M3	TWA	CMRG	
		AS RESPIRABLE DUST			

* 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

8. HEALTH HAZARD DATA

EYE CONTACT:

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

SKIN CONTACT:

No adverse health effects are expected from skin contact.

Prolonged or repeated exposure may cause:

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

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8. HEALTH HAZARD DATA (continued)

INHALATION:

No adverse health effects are expected unless product is overheated.

IF SWALLOWED:

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

OTHER HEALTH HAZARD INFORMATION:

This product, when used under reasonable conditions or in accordance with the 3M directions for use, should not present a health and safety hazard. However, use or processing of the product in a manner not in accordance with the product's directions for use may affect the performance of the product and may present potential health and safety hazards.

SECTION CHANGE DATES

PRECAUTIONARY INFO. SECTION CHANGED SINCE July 12, 2000 ISSUE

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