MATERIAL SAFETY
DATA SHEET

3M

3M Center

St. Paul, Minnesota

55144-1000

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DIVISION: ELECTRICAL PRODUCTS DIVISION

TRADE NAME:

3M Electrical 23 Tape

ID NUMBER/U.P.C.:

VE-0000-2828-6 00-54007-15025-1

ISSUED: February 17, 1999 SUPERSEDES: INITIAL ISSUE

DOCUMENT: 08-9491-5

1. INGREDIENT	C.A.S. NO.		PERCENT	
TALC	14807-96-6	20	- 30	
Polyisobutylene ETHYLENE-PROPYLENE-1,4-HEXADIENE	TradeSecret	15	- 30	
POLYMER	25038-37-3	15 5	- 30	
POLYPROPYLENESOLVENT REFINEDE RESIDUAL OIL	9003-07-0	5	- 15	
(PETROLEUM)	64742-01-4	5	- 15	
PIPERYLENE-2-METHYL-2-BUTENE POLYMER	26813-14-9	1	- 10	
POLYBUTYLENE	9003-29-6	1	- 10	
CARBON BLACK	1333-86-4	1	- 10	
ZINC STEARATE	557-05-1	0.1	- 1.0	
organo-silicone	Mixture	0.5	- 2.0	
antioxidant	119-47-1	0.1	- 1.0	

Individual ingredients are blended into polymer matrix, therefore minimizing any potential exposure to these components.

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

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: ZINC STEARATE

## 2. PHYSICAL DATA

BOILING POINT:..... N/A VAPOR PRESSURE:.....N/A VAPOR DENSITY:.....N/A EVAPORATION RATE:..... N/A SOLUBILITY IN WATER:.... neglig. SPECIFIC GRAVITY:..... N/D PERCENT VOLATILE:..... N/A VISCOSITY:......N/A 

### APPEARANCE AND ODOR:

Roll of Tape, BLACK ROLL OF TAPE WITH LINER

## 3. FIRE AND EXPLOSION HAZARD DATA

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

# EXTINGUISHING MEDIA:

Water spray, 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. Water may not effectively extinguish fire; however, it should be used to keep fireexposed containers and surfaces cool and prevent explosive rupture.

# UNUSUAL FIRE AND EXPLOSION HAZARDS:

None known. 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

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INCOMPATIBILITY - MATERIALS/CONDITIONS TO AVOID:

Strong Oxidizing Agents.

HAZARDOUS POLYMERIZATION: Hazardous polymerization will not occur.

HAZARDOUS DECOMPOSITION PRODUCTS:

Carbon Monoxide and Carbon Dioxide, Oxides of Zinc, Irritant Vapors or Gases.

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## 5. ENVIRONMENTAL INFORMATION

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## SPILL RESPONSE:

Observe precautions from other sections. Collect spilled material. Place in a closed container.

#### 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. 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 = 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.

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6. SUGGESTED FIRST AID (continued)

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### SKIN CONTACT:

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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:

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: 1 REACTIVITY: 0

PERSONAL PROTECTION: A

## EXPOSURE LIMITS

INGREDIENT		UNIT		AUTH SKI	
TALC	2		TWA	OSHA	
TALC	2	MG/M3 respirable	TWA	ACGIH	
PolyisobutyleneETHYLENE-PROPYLENE-1,4-HEXADIENE	NONE	NONE	NONE	NONE	
POLYMER	NONE	NONE	NONE	NONE	

INGREDIENT

PAGE 5 February 17, 1999 EXPOSURE LIMITS (continued)

VAI	LUE UNIT	TYPE	AUTH	SKIN*

POLYPROPYLENE	NONE	NONE	NONE	NONE
(PETROLEUM)PIPERYLENE-2-METHYL-2-BUTENE	NONE	NONE	NONE	NONE
POLYMER	NONE	NONE	NONE	NONE
POLYBUTYLENE	NONE	NONE	NONE	NONE
CARBON BLACK	3.5	MG/M3	TWA	ACGIH
CARBON BLACK	3.5	MG/M3	TWA	OSHA
ZINC STEARATE	10	MG/M3	TWA	OSHA
ZINC STEARATE	10	MG/M3	TWA	ACGIH
organo-silicone	NONE	NONE	NONE	NONE
antioxidant	NONE	NONE	NONE	NONE
	POLYPROPYLENE.  SOLVENT REFINEDE RESIDUAL OIL  (PETROLEUM)  PIPERYLENE-2-METHYL-2-BUTENE  POLYMER.  POLYBUTYLENE.  CARBON BLACK.  CARBON BLACK.  ZINC STEARATE.  ZINC STEARATE.  organo-silicone.	POLYPROPYLENE NONE  SOLVENT REFINEDE RESIDUAL OIL  (PETROLEUM) NONE  PIPERYLENE-2-METHYL-2-BUTENE  POLYMER NONE  POLYBUTYLENE NONE  CARBON BLACK 3.5  CARBON BLACK 3.5  ZINC STEARATE 10  ZINC STEARATE 10  organo-silicone NONE	POLYPROPYLENE. NONE NONE  SOLVENT REFINEDE RESIDUAL OIL  (PETROLEUM). NONE NONE  PIPERYLENE-2-METHYL-2-BUTENE  POLYMER. NONE NONE  POLYBUTYLENE. NONE NONE  CARBON BLACK. 3.5 MG/M3  CARBON BLACK. 3.5 MG/M3  ZINC STEARATE. 10 MG/M3  ZINC STEARATE. 10 MG/M3  organo-silicone. NONE	SOLVENT REFINEDE RESIDUAL OIL (PETROLEUM). NONE NONE NONE PIPERYLENE-2-METHYL-2-BUTENE POLYMER. NONE NONE NONE NONE POLYBUTYLENE. NONE NONE NONE CARBON BLACK. 3.5 MG/M3 TWA CARBON BLACK. 3.5 MG/M3 TWA ZINC STEARATE. 10 MG/M3 TWA ZINC STEARATE. 10 MG/M3 TWA organo-silicone. 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:

- ACGIH: American Conference of Governmental Industrial Hygienists
- OSHA: Occupational Safety and Health Administration

- NONE: None Established

## 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:

This product may have a characteristic odor; however, no adverse health effects are anticipated.

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 \_\_\_\_\_\_

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## 8. HEALTH HAZARD DATA (continued)

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soreness of the nose and throat, coughing and sneezing.

#### TF SWALLOWED:

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

No adverse health effects are expected from swallowing.

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

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