

MATERIAL SAFETY 3M  
DATA SHEET 3M Center  
St. Paul, Minnesota  
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DIVISION: ELECTRICAL PRODUCTS DIVISION

TRADE NAME:

3570 Scotchlok Connector Sealing Packs (Scotchcast 400)

U.P.C. Number:

00-54007-11984-5

ISSUED: April 16, 2001

SUPERSEDES: August 11, 1999

DOCUMENT: 10-2609-5

1. INGREDIENT	C.A.S. NO.	PERCENT
PART A: BISPHENOL A-EPICHLOROHYDRIN		
COPOLYMER.....	25068-38-6	75.0 - 85.0
VINYLCYCLOHEXENE DIOXIDE.....	106-87-6	15.0 - 25.0
PART B: POLYOXYPROPYLENE POLYOL.....		
CASTOR OIL.....	52625-13-5	50.0 - 60.0
POLYSTYRENE.....	8001-79-4	30.0 - 35.0
PETROLEUM DISTILLATE.....	9003-53-6	10.0 - 20.0
BIS(TRIFLUOROMETHYL SULFONYL)METHANE....	8002-05-9	1.0 - 5.0
CARBON BLACK.....	428-76-2	1.0 - 5.0
	1333-86-4	0.1 - 1.0

NOTE: ALL INGREDIENTS LISED ON TSCA; CDSL; AND EINECS INVENTORIES.

## 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:..... A: 1.15 B: 1.05  
PERCENT VOLATILE:..... 0  
pH:..... N/A  
VISCOSITY:..... A:1000cps B:4000cps  
MELTING POINT:..... N/D

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

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2. PHYSICAL DATA (continued)  
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APPEARANCE AND ODOR:

A:Clear amber liquid B:Black liquid

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3. FIRE AND EXPLOSION HAZARD DATA  
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FLASH POINT:..... Both>230F Closed Cup

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

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

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:

No unusual fire or explosion hazards are anticipated.

NFPA HAZARD CODES: HEALTH: 2 FIRE: 1 REACTIVITY: 0

UNUSUAL REACTION HAZARD: none

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4. REACTIVITY DATA  
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STABILITY: Stable

INCOMPATIBILITY - MATERIALS/CONDITIONS TO AVOID:

Not applicable.

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:

PART A or PART B: Observe precautionary information from other sections. Use absorbent material as needed and sweep up. Mixture of PART A and PART B: Observe precautionary information from other

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5. ENVIRONMENTAL INFORMATION (continued)  
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sections. Clean up spill.

RECOMMENDED DISPOSAL:

PART A or PART B: Dispose by incineration or send fully adsorbed material for landfill in accordance with local and state regulations. Mixture of PART A and PART B: Fully cured material may be landfilled in accordance with local and state regulations.

ENVIRONMENTAL DATA:

NONE

REGULATORY INFORMATION:

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

EPCRA HAZARD CLASS:

FIRE HAZARD: No 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:

Immediately wash skin with soap and large amounts of water. Remove contaminated clothing. If signs/symptoms occur, call a physician. Wash contaminated clothing before reuse and dispose of contaminated shoes.

INHALATION:

Remove person to fresh air. If not breathing, give artificial respiration. If breathing is difficult, get immediate medical attention.

IF SWALLOWED:

Do not induce vomiting. Drink two glasses of water. Call a physician.

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7. PRECAUTIONARY INFORMATION  
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EYE PROTECTION:

Avoid eye contact. Wear safety glasses with side shields.

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7. PRECAUTIONARY INFORMATION (continued)  
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SKIN PROTECTION:

Avoid skin contact. Wear appropriate gloves when handling this material.

RECOMMENDED VENTILATION:

Provide sufficient ventilation to maintain emissions below recommended exposure limits. If exhaust ventilation is not adequate, use appropriate respiratory protection.

RESPIRATORY PROTECTION:

Avoid 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.

PREVENTION OF ACCIDENTAL INGESTION:

Wash hands after handling and before eating.

RECOMMENDED STORAGE:

Keep out of the reach of children.

FIRE AND EXPLOSION AVOIDANCE:

Not applicable.

EXPOSURE LIMITS

INGREDIENT	VALUE	UNIT	TYPE	AUTH	SKIN*
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PART A: BISPHENOL A-					
EPICHLOROHYDRIN COPOLYMER.....	NONE	NONE	NONE	NONE	
VINYLCYCLOHEXENE DIOXIDE.....	0.1	PPM	TWA	ACGIH	Y
VINYLCYCLOHEXENE DIOXIDE.....	10	PPM	TWA	OSHA	Y
PART B: POLYOXYPROPYLENE POLYOL.....	NONE	NONE	NONE	NONE	
CASTOR OIL.....	10	MG/M3	TWA	OSHA	
	AS MIST				
POLYSTYRENE.....	NONE	NONE	NONE	NONE	
PETROLEUM DISTILLATE.....	400	PPM	TWA	OSHA	
BIS(TRIFLUOROMETHYL					
SULFONYL)METHANE.....	NONE	NONE	NONE	NONE	
CARBON BLACK.....	3.5	MG/M3	TWA	ACGIH	
CARBON BLACK.....	3.5	MG/M3	TWA	OSHA	
CARBON BLACK.....	0.5	MG/M3	TWA	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:

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EXPOSURE LIMITS (continued)

INGREDIENT	VALUE	UNIT	TYPE	AUTH	SKIN*
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- ACGIH:	American Conference of Governmental Industrial Hygienists				
- CMRG:	Chemical Manufacturer Recommended Exposure Guidelines				
- OSHA:	Occupational Safety and Health Administration				
- NONE:	None Established				

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8. 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:

Allergic Skin Reaction: signs/symptoms can include redness, swelling, blistering, and itching.

Moderate Skin Irritation (after prolonged or repeated contact): signs/symptoms can include redness, swelling, itching, and dryness.

May be absorbed through the skin and produce effects similiar to those caused by inhalation and/or ingestion.

INHALATION:

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

IF SWALLOWED:

Irritation of Gastrointestinal Tissues: signs/symptoms can include pain, vomiting, abdominal tenderness, nausea, blood in vomitus, and blood in feces.

CANCER:

WARNING: Contains a chemical which can cause cancer. (106-87-6) (IARC Possible Human Carcinogen 2B, NTP Anticipated to be carcinogenic, Calif. Proposition 65)

WARNING: Contains a chemical which can cause cancer. (1333-86-4) (IARC possible human carcinogen 2B)

WARNING: Contains a chemical which can cause cancer. (8002-05-9) (IARC not classifiable 3 - Crude Oil)

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SECTION CHANGE DATES  
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PRECAUTIONARY INFO. SECTION CHANGED SINCE August 11, 1999      ISSUE

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