

MATERIAL SAFETY 3M
DATA SHEET 3M Center
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DIVISION: ELECTRICAL PRODUCTS DIVISION

TRADE NAME:

SCOTCHCAST BRAND ELECTRICAL INSULATING RESIN 2100

U.P.C. Number:

00-54007-34530-5 00-54007-34531-2

ISSUED: August 14, 2001

SUPERSEDES: December 01, 1997

DOCUMENT: 10-2610-3

1. INGREDIENT	C.A.S. NO.	PERCENT
PART A: DIPHENYL METHANE DIISOCYANATE...	101-68-8	35.0 - 45.0
DIUNDECYL PHTHALATE.....	3648-20-2	35.0 - 40.0
POLYBUTADIENE.....	69102-90-5	15.0 - 20.0
GLYCOLS, POLYPROPYLENE.....	25322-69-4	5.0 - 10.0
PART B: POLYBUTADIENE.....	69102-90-5	35.0 - 40.0
DIUNDECYL PHTHALATE.....	3648-20-2	20.0 - 25.0
GLYCOLS, POLYPROPYLENE.....	25322-69-4	10.0 - 15.0
N,N-DI(2-HYDROXYPROPYL)ANILINE.....	3077-13-2	10.0 - 15.0
DIPROPYLENE GLYCOL.....	25265-71-8	5.0 - 10.0
ZEOLITES.....	1318-02-1	1.0 - 5.0
CASTOR OIL.....	8001-79-4	1.0 - 5.0

This product contains the following toxic chemical or chemicals subject to
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:

PART A: DIPHENYL METHANE DIISOCYANATE

2. PHYSICAL DATA

BOILING POINT:..... N/A
VAPOR PRESSURE:..... N/A
VAPOR DENSITY:..... N/A
EVAPORATION RATE:..... N/A
SOLUBILITY IN WATER:..... Reacts
SPECIFIC GRAVITY:..... PRE.:1.05 POL.:0.97
PERCENT VOLATILE:..... 0
pH:..... N/A

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

2. PHYSICAL DATA (continued)

VISCOSITY:..... PRE.:10p POL.:20p
MELTING POINT:..... N/D

APPEARANCE AND ODOR:

PREPOLYMER:Dark viscous liquid POLYOL:Opaque viscous liquid

3. FIRE AND EXPLOSION HAZARD DATA

FLASH POINT:..... Both>320F 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:

See Hazardous Decomposition section for products of combustion.

NFPA HAZARD CODES: HEALTH: 2 FIRE: 1 REACTIVITY: 0
UNUSUAL REACTION HAZARD: none

4. REACTIVITY DATA

STABILITY: Stable

INCOMPATIBILITY - MATERIALS/CONDITIONS TO AVOID:

Amines, Alcohols, Water. Reaction with water, alcohols and amines is
not hazardous if container can vent to the atmosphere to prevent
pressure buildup.

This refers to Part A (prepolymer).

HAZARDOUS POLYMERIZATION: Hazardous polymerization will not occur.

HAZARDOUS DECOMPOSITION PRODUCTS:

Carbon Monoxide and Carbon Dioxide, Oxides of Nitrogen, Hydrogen
Cyanide, Isocyanates, Toxic Vapors, Gases or Particulates, Irritant
Vapors or Gases.

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4. REACTIVITY DATA (continued)

5. ENVIRONMENTAL INFORMATION

SPILL RESPONSE:

Refer to other sections of this MSDS for information regarding physical and health hazards, respiratory protection, ventilation, and personal protective equipment. Pour isocyanate decontaminant solution (90% water, 8% concentrated ammonia, 2% detergent) on spill and allow to react for 10 minutes. Alternatively, pour water on spill and allow to react for more than 30 minutes. Cover with absorbent. Place in an approved drum, but do not seal the drum for 48 hours to avoid possible pressure buildup. Neutralize spill residue with decontaminant solution.

RECOMMENDED DISPOSAL:

Incinerate in an industrial or commercial facility. Dispose of completely cured (or polymerized) material in a sanitary landfill.

ENVIRONMENTAL DATA:

No data available.

REGULATORY INFORMATION:

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

Since regulations vary, consult applicable regulations or authorities before disposal.

EPCRA HAZARD CLASS:

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

6. SUGGESTED FIRST AID

EYE CONTACT:

Immediately flush eyes with large amounts of water. Get immediate medical attention.

SKIN CONTACT:

Flush skin with large amounts of water. If irritation persists, get medical attention.

INHALATION:

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

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6. SUGGESTED FIRST AID (continued)

IF SWALLOWED:

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

7. PRECAUTIONARY INFORMATION

EYE PROTECTION:

Avoid eye contact. Wear safety glasses with side shields.

SKIN PROTECTION:

Avoid prolonged or repeated 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:

Do not ingest.

RECOMMENDED STORAGE:

Keep container in well-ventilated area. Keep out of the reach of children.

FIRE AND EXPLOSION AVOIDANCE:

Keep container tightly closed. Do not heat under confinement.

EXPOSURE LIMITS

INGREDIENT	VALUE	UNIT	TYPE	AUTH	SKIN*

PART A: DIPHENYL METHANE					
DIISOCYANATE.....	0.02	PPM	CEIL	OSHA	
PART A: DIPHENYL METHANE					
DIISOCYANATE.....	0.005	PPM	TWA	ACGIH	
DIUNDECYL PHTHALATE.....	NONE	NONE	NONE	NONE	
POLYBUTADIENE.....	NONE	NONE	NONE	NONE	
GLYCOLS, POLYPROPYLENE.....	10	MG/M3	TWA	AIHA	
		AS PARTICULATE			
PART B: POLYBUTADIENE.....	NONE	NONE	NONE	NONE	
DIUNDECYL PHTHALATE.....	NONE	NONE	NONE	NONE	

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

EXPOSURE LIMITS (continued)

INGREDIENT	VALUE	UNIT	TYPE	AUTH	SKIN*
GLYCOLS, POLYPROPYLENE.....	10	MG/M3	TWA	AIHA	
	AS PARTICULATE				
N,N-DI(2-HYDROXYPROPYL)ANILINE.....	NONE	NONE	NONE	NONE	
DIPROPYLENE GLYCOL.....	NONE	NONE	NONE	NONE	
ZEOLITES.....	NONE	NONE	NONE	NONE	
CASTOR OIL.....	10	MG/M3	TWA	OSHA	
	AS MIST				

* 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
- AIHA: American Industrial Hygiene Assoc. Workplace Environmental Exposure Level Guideline
- OSHA: Occupational Safety and Health Administration
- NONE: None Established

8. HEALTH HAZARD DATA

EYE CONTACT:

Mild Eye Irritation: signs/symptoms can include redness, swelling, pain, and tearing.

SKIN CONTACT:

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

Mild Skin Irritation: signs/symptoms can include redness, swelling, and itching.

INHALATION:

Prolonged or repeated exposure may cause:

Allergic Respiratory Reaction: signs/symptoms can include difficulty breathing, wheezing, tightness of chest, and respiratory failure.

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.

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SECTION CHANGE DATES

HEADING SECTION CHANGED SINCE December 01, 1997 ISSUE

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