

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

TRADE NAME:

SCOTCHCAST BRAND ELECTRICAL INSULATING RESIN 2114

U.P.C. Number:

00-54007-11851-0 00-54007-11850-3

ISSUED: June 30, 1997

SUPERSEDES: April 16, 1997

DOCUMENT: 10-2612-9

1. INGREDIENT	C.A.S. NO.	PERCENT
PART A:.....	None	50
HEAVY NAPHTHENIC DISTILLATES.....	64742-52-5	75.0 - 85.0
ALIPHATIC DIISOCYANATE (1).....	68239-06-5	15.0 - 20.0
HYDROCINNAMIC ACID, 3,5-DI-TERT-BUTYL-4- HYDROXY-, OCTADECYL ESTER.....	2082-79-3	1.0 - 5.0
PART B:.....	None	50
POLYBUTADIENE RESIN.....	69102-90-5	60.0 - 70.0
HEAVY NAPHTHENIC DISTILLATES.....	64742-52-5	30.0 - 40.0

(1) M.W. >500

2. PHYSICAL DATA

BOILING POINT:..... N/D
VAPOR PRESSURE:..... N/D
VAPOR DENSITY:..... N/D
EVAPORATION RATE:..... N/A
SOLUBILITY IN WATER:..... A:Reacts B:Insol
SPECIFIC GRAVITY:..... A: 0.89 B: 0.90
PERCENT VOLATILE:..... N/A
pH:..... N/A
VISCOSITY:..... A:100-300; B:2000-4000
MELTING POINT:..... N/A

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

2. PHYSICAL DATA (continued)

APPEARANCE AND ODOR:

Part A: Clear, yellow, oily liquid. Part B: Clear, oily liquid.

3. FIRE AND EXPLOSION HAZARD DATA

FLASH POINT:..... A:> 325 F; B:> 270 F

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: 0 REACTIVITY: 0

UNUSUAL REACTION HAZARD: none

4. REACTIVITY DATA

STABILITY: Stable

INCOMPATIBILITY - MATERIALS/CONDITIONS TO AVOID:

Strong Oxidizing Agents.

HAZARDOUS POLYMERIZATION: Hazardous polymerization will not occur.

HAZARDOUS DECOMPOSITION PRODUCTS:

Carbon Monoxide and Carbon Dioxide, Hydrogen Cyanide.

5. ENVIRONMENTAL INFORMATION

SPILL RESPONSE:

Observe precautions from other sections. Pour isocyanate decontaminant solution (90% water, 8% concentrated ammonia, 2% detergent) on spill and allow to react for 10 minutes. Alternatively,

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5. ENVIRONMENTAL INFORMATION (continued)

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:

Cure product according to product instructions. Incinerate uncured waste in an industrial or commercial incinerator. Dispose of completely cured (or polymerized) material in a sanitary landfill. Dispose of empty cans 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. U.S. EPA Hazardous Waste Number = None (Not U.S. EPA Hazardous).

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. 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.

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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 skin contact. Wear appropriate gloves when handling this material.

RECOMMENDED VENTILATION:

Use in a well-ventilated area.

RESPIRATORY PROTECTION:

Avoid prolonged breathing of vapors.

PREVENTION OF ACCIDENTAL INGESTION:

Wash hands after handling and before eating.

RECOMMENDED STORAGE:

Keep container closed when not in use. Keep out of the reach of children.

FIRE AND EXPLOSION AVOIDANCE:

Prevent all sources of ignition.

EXPOSURE LIMITS

INGREDIENT	VALUE	UNIT	TYPE	AUTH	SKIN*
PART A:.....	NONE	NONE	NONE	NONE	
HEAVY NAPHTHENIC DISTILLATES.....	5	MG/M3	TWA	CMRG	
HEAVY NAPHTHENIC DISTILLATES.....	10	MG/M3	STEL	CMRG	
ALIPHATIC DIISOCYANATE (1).....	0.005	PPM	TWA	3M	
ALIPHATIC DIISOCYANATE (1).....	0.02	PPM	STEL	3M	
HYDROCINNAMIC ACID, 3,5-DI-TERT- BUTYL-4-HYDROXY-, OCTADECYL ESTER..	NONE	NONE	NONE	NONE	
PART B:.....	NONE	NONE	NONE	NONE	
POLYBUTADIENE RESIN.....	NONE	NONE	NONE	NONE	
HEAVY NAPHTHENIC DISTILLATES.....	5	MG/M3	TWA	CMRG	
HEAVY NAPHTHENIC DISTILLATES.....	10	MG/M3	STEL	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,

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EXPOSURE LIMITS (continued)

INGREDIENT	VALUE	UNIT	TYPE	AUTH	SKIN*
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by direct contact with the substance. Vehicles can alter skin absorption.

SOURCE OF EXPOSURE LIMIT DATA:

- 3M: 3M Recommended Exposure Guidelines
- CMRG: Chemical Manufacturer Recommended Exposure Guidelines
- NONE: None Established

8. HEALTH HAZARD DATA

EYE CONTACT:

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

SKIN CONTACT:

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

Prolonged or repeated exposure may cause:

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

INHALATION:

Health effects from inhalation are not expected unless product is heated.

Vapors of heated material may cause respiratory system irritation.

IF SWALLOWED:

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

SECTION CHANGE DATES

HEADING	SECTION CHANGED SINCE April 16, 1997	ISSUE
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