

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

TRADE NAME:

Scotchcast 2135 Resin-Part B

ID NUMBER/U.P.C.:

80-6112-0632-9 - - -

ISSUED: April 10, 2001

SUPERSEDES: May 10, 2000

DOCUMENT: 09-5004-8

1. INGREDIENT	C.A.S. NO.	PERCENT
1,3-BUTADIENE, HOMOPOLYMER, HYDROXY- TERMINATED.....	69102-90-5	25.0
DECABROMODIPHENYL ETHER.....	1163-19-5	22.0
1,2-BENZENEDICARBOXYLIC ACID, DIUNDECYL ESTER, BRANCHED AND LINEAR.....	85507-79-5	12.0
GLYCOLS, POLYPROPYLENE.....	25322-69-4	9.0
ANTIMONY TRIOXIDE.....	1309-64-4	8.0
N,N-DI(2-HYDROXYPROPYL)ANILINE.....	3077-13-2	6.0
ALUMINUM POTASSIUM SODIUM SILICATE.....	12736-96-8	4.0
DIPROPYLENE GLYCOL.....	25265-71-8	4.0
CASTOR OIL.....	8001-79-4	4.0
CARBON BLACK.....	1333-86-4	2.0
4,4'-METHYLENEBIS(2,6-DIETHYLANILINE)...	13680-35-8	2.0
HYDROCINNAMIC ACID, 3,5-DI-TERT-BUTYL-4- HYDROXY-, OCTADECYL ESTER.....	2082-79-3	1.0
Silaname, 1,1,1-trimethyl-N- (trimethylsilyl)-, hydrolysis products with silica.....	68909-20-6	< 1
TRIETHYLENEDIAMINE.....	280-57-9	< 0.5

IN CASE OF EMERGENCY: THE NUMBERS AT THE TOP OF THIS PAGE PROVIDE 24
 HOUR RESPONSE FROM ANY PHONE FOR ALL EMERGENCIES WITH THIS PRODUCT.
 The components of this product are in compliance with the chemical
 notification requirements of TSCA. This material contains one or
 more ingredients that may be regulated by the International Traffic
 in Arms Regulation (ITAR), an export control of US military
 technology and chemicals. Prior to export of this material or any
 product containing this material, determine whether a proper license
 from the Department of State must be obtained. See 22CFR 120-130 for

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PERCENT

DECABROMODIPHENYL ETHER
ANTIMONY TRIOXIDE

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3. FIRE AND EXPLOSION HAZARD DATA (continued)

UNUSUAL FIRE AND EXPLOSION HAZARDS:

Not determined. See Hazardous Decomposition section for products of combustion.

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

OSHA FIRE HAZARD CLASS: Class IIIB Combustible Liquid

4. REACTIVITY DATA

STABILITY: Stable

INCOMPATIBILITY - MATERIALS/CONDITIONS TO AVOID:

Strong Oxidizing Agents, Heat, Reactive Metals, Finely divided active metals, Alkali and alkaline earth metals, Metal Powder. Al or Mg powder and high shear/temperature conditions.

HAZARDOUS POLYMERIZATION: Hazardous polymerization will not occur.

HAZARDOUS DECOMPOSITION PRODUCTS:

Under recommended usage conditions, hazardous decomposition products are not expected. Hazardous decomposition products anticipated as a result of oxidation (excluding burning), heating, or reaction with another material may include: Carbon Monoxide and Carbon Dioxide, Oxides of Nitrogen, Hydrogen Bromide, Amine Compounds, Oxides of Antimony, Isocyanates, Irritant Vapors or Gases.

5. ENVIRONMENTAL INFORMATION

SPILL RESPONSE:

Observe precautions from other sections. Ventilate area. Contain spill. Cover with absorbent material. Collect spilled material. Clean up residue with an appropriate organic solvent. Read and follow safety precautions on the solvent label and MSDS. Place in a closed container.

RECOMMENDED DISPOSAL:

Dispose of completely absorbed waste product in a facility permitted to accept chemical wastes. Disposal alternative: As a disposal alternative, incinerate in the presence of a combustible material in an industrial or commercial facility capable of handling halogenated waste.

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5. ENVIRONMENTAL INFORMATION (continued)

ENVIRONMENTAL DATA:
Not determined.

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

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: 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.

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

7. PRECAUTIONARY INFORMATION

EYE PROTECTION:
Avoid eye contact. Wear unvented goggles during operations in which exposure is likely.

SKIN PROTECTION:
Avoid skin contact. Wear appropriate gloves when handling this material. A pair of gloves made from the following material(s) are recommended: butyl rubber. Use one or more of the following personal protection items as necessary to prevent skin contact: apron. Protective garments (other than gloves) should be made of

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7. PRECAUTIONARY INFORMATION (continued)

either of the following materials: nitrile rubber.

RECOMMENDED VENTILATION:

Use in a well-ventilated area. Use with adequate dilution ventilation. 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, full-face organic vapor respirator.

PREVENTION OF ACCIDENTAL INGESTION:

Do not eat, drink or smoke when using this product. Wash exposed areas thoroughly with soap and water. Wash hands after handling and before eating. Do not ingest.

RECOMMENDED STORAGE:

Store in a cool place. Store away from acids. Store away from heat. Store out of direct sunlight. Keep container dry. Keep container in well-ventilated area. Keep out of the reach of children.

FIRE AND EXPLOSION AVOIDANCE:

Keep container tightly closed. Keep away from heat, sparks, open flame, and other sources of ignition. Prevent all sources of ignition. Combustible liquid and vapor. Do not pierce or burn container, even after use. No smoking while handling this material.

OTHER PRECAUTIONARY INFORMATION:

For industrial or professional use only.

HMIS HAZARD RATINGS: HEALTH: 2 FLAMMABILITY: 1 REACTIVITY: 0
PERSONAL PROTECTION: B

EXPOSURE LIMITS

INGREDIENT	VALUE	UNIT	TYPE	AUTH	SKIN*
1,3-BUTADIENE, HOMOPOLYMER, HYDROXY-TERMINATED.....	NONE	NONE	NONE	NONE	
DECABROMODIPHENYL ETHER.....	5	MG/M3	TWA	CMRG	
DECABROMODIPHENYL ETHER.....	5	MG/M3	TWA	AIHA	
1,2-BENZENEDICARBOXYLIC ACID, DIUNDECYL ESTER, BRANCHED AND LINEAR.....	NONE	NONE	NONE	NONE	
GLYCOLS, POLYPROPYLENE.....	10	MG/M3	TWA	AIHA	
		AS PARTICULATE			
ANTIMONY TRIOXIDE.....	0.5	MG/M3	TWA	ACGIH	
		as Sb			

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EXPOSURE LIMITS (continued)

INGREDIENT	VALUE	UNIT	TYPE	AUTH	SKIN*
N,N-DI(2-HYDROXYPROPYL)ANILINE.....	NONE	NONE	NONE	NONE	
ALUMINUM POTASSIUM SODIUM SILICATE...	NONE	NONE	NONE	NONE	
DIPROPYLENE GLYCOL.....	NONE	NONE	NONE	NONE	
CASTOR OIL.....	10	MG/M3	TWA	OSHA	
	AS MIST				
CARBON BLACK.....	3.5	MG/M3	TWA	ACGIH	
CARBON BLACK.....	3.5	MG/M3	TWA	OSHA	
CARBON BLACK.....	0.5	MG/M3	TWA	CMRG	
4,4'-METHYLENEBIS(2,6-DIETHYLANILINE).....	NONE	NONE	NONE	NONE	
HYDROCINNAMIC ACID, 3,5-DI-TERT-BUTYL-4-HYDROXY-, OCTADECYL ESTER..	NONE	NONE	NONE	NONE	
Silanamine, 1,1,1-trimethyl-N-(trimethylsilyl)-, hydrolysis products with silica.....	NONE	NONE	NONE	NONE	
TRIETHYLENEDIAMINE.....	NONE	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
- AIHA: American Industrial Hygiene Assoc. Workplace Environmental Exposure Level Guideline
- CMRG: Chemical Manufacturer Recommended Exposure Guidelines
- OSHA: Occupational Safety and Health Administration
- NONE: None Established

8. HEALTH HAZARD DATA

EYE CONTACT:

Moderate Eye Irritation: signs/symptoms can include redness, swelling, pain, tearing, and hazy vision.

SKIN CONTACT:

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

INHALATION:

Vapors of heated material may cause respiratory system irritation.

Vapors of the uncured product may cause irritation of the respiratory system.

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8. HEALTH HAZARD DATA (continued)

IF SWALLOWED:

Ingestion may cause:

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

Central Nervous System Depression: signs/symptoms can include headache, dizziness, drowsiness, muscular weakness, incoordination, slowed reaction time, fatigue, blurred vision, slurred speech, giddiness, tremors and convulsions.

CANCER:

WARNING: Contains a chemical which can cause cancer. (12736-96-8)
(IARC possible human carcinogen 2B, Calif. Proposition 65)

WARNING: Contains a chemical which can cause cancer. (1309-64-4)
(ACGIH suspected human carcinogen A2, IARC possible human carcinogen 2B, 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. (7440-38-2) (NTP human carcinogen-Arsenic inorganic compounds, IARC human carcinogen 1, OSHA listed carcinogen, Calif. Proposition 65 - Inorganic Arsenic Compounds)

SECTION CHANGE DATES

PRECAUTIONARY INFO. SECTION CHANGED SINCE May 10, 2000 ISSUE

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