MATERIAL SAFETY 3M

DATA SHEET 3M Center

St. Paul, Minnesota

55144-1000

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# DIVISION: ELECTRICAL PRODUCTS DIVISION

TRADE NAME:

SCOTCHCAST BRAND FLAME RETARDANT COMPOUND 2130

ID NUMBER/U.P.C.:							
78-8025-2873-3	_	-	-	78-8025-2874-1	_	-	_
78-8046-9214-9	-	-	_	78-8046-9215-6	-	-	_
80-6100-7694-7	00-540	007-314	101-1	80-6100-7695-4	00-540	007-314	02-8
80-6101-3292-2	00-540	007-343	359-2	80-6101-3293-0	00-540	007-091	43-1
80-6107-3082-4	_	_	_	80-6107-3083-2	_	_	_
80-6107-3084-0	_	_	_	80-6112-0128-8	_	_	_
80-6112-0147-8	_	_	_	80-6112-0148-6	00-540	007-435	48-8
80-6112-0149-4	_	_	_	80-6112-0150-2	00-540	007-435	50-1
80-6112-0151-0	00-540	007-435	551-8	80-6112-0152-8	-	-	-
80-6112-0171-8	-	_	-				

ISSUED: May 02, 2001 SUPERSEDES: April 16, 2001

DOCUMENT: 10-2613-7

	C.A.S. NO.			
Part A	Unknown		N/A	
1,1'-METHYLENEBIS(ISOCYANATOBENZENE)	26447-40-5	10	- 20	
MDI-PPO-Hydrogenated polyButadiene				
polymer	154517-54-1	10	- 20	
•	85507-79-5	1	- 8	
BENZENE, 1,1'-METHYLENEBIS[ISOCYANATO-,				
HOMOPOLYMER	39310-05-9	2	- 8	
Part B	Unknown		N/A	
1,3-BUTADIENE, HOMOPOLYMER, HYDROXY-				
TERMINATED	69102-90-5	15	- 25	
DECABROMODIPHENYL ETHER	1163-19-5	10	- 20	
1,2-BENZENEDICARBOXYLIC ACID, DIUNDECYL				
ESTER, BRANCHED AND LINEAR	85507-79-5	5	- 10	
GLYCOLS, POLYPROPYLENE	25322-69-4	2	- 10	
ANTIMONY TRIOXIDE	1309-64-4	3	- 10	
N,N-DI(2-HYDROXYPROPYL)ANILINE	3077-13-2	2	- 6	
DIPROPYLENE GLYCOL	25265-71-8	1	- 10	
ALUMINUM POTASSIUM SODIUM SILICATE	12736-96-8	1	- 6	
CASTOR OIL			- 6	

1. INGREDIENT	C.A.S. NO.		PERCENT	
CARBON BLACKSilanamine, 1,1,1-trimethyl-N-	1333-86-4	0.5	- 2	
(trimethylsilyl)-, hydrolysis products with silica	68909-20-6	0.1	- 2	
HYDROCINNAMIC ACID, 3,5-DI-TERT-BUTYL-4-HYDROXY-, OCTADECYL ESTER	2082-79-3	0.1	- 0.5	
TRIETHYLENEDIAMINEARSENIC	280-57-9 7440-38-2	0.05	- 0.1 .02144	

The components of this product are in compliance with the chemical notification requirements of TSCA. All applicable chemical ingredients in this material are listed on the European Inventory of Existing Chemical Substances (EINECS), or are exempt polymers whose monomers are listed on EINECS.

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: DECABROMODIPHENYL ETHER

ANTIMONY TRIOXIDE

ARSENIC

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### 2. PHYSICAL DATA

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SPECIFIC GRAVITY:..... PRE.:1.09 POL.:1.29

VISCOSITY:..... PRE.:8p POL.:30p

### APPEARANCE AND ODOR:

PREPOLYMER: Hazy, amber liquid POLYOL: Black viscous liquid

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### 3. FIRE AND EXPLOSION HAZARD DATA

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FLASH POINT:.... Both >290F Closed Cup

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

AUTOIGNITION TEMPERATURE:..... N/D

3. FIRE AND EXPLOSION HAZARD DATA (continued)

#### 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.

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### 4. REACTIVITY DATA

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### 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.

HAZARDOUS POLYMERIZATION: Hazardous polymerization will not occur.

### HAZARDOUS DECOMPOSITION PRODUCTS:

Carbon Monoxide and Carbon Dioxide, Oxides of Nitrogen, Hydrogen Cyanide, Isocyanates.

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### 5. ENVIRONMENTAL INFORMATION

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### SPILL RESPONSE:

Observe precautions from other sections. Ventilate area. Contain spill. Evacuate unprotected personnel from hazard area. 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:

Do not release to waterways or sewer. Incinerate in an industrial or commercial facility in the presence of a combustible material.

E ENVIDONMENTAL INCOMATION (continued)

### 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 = D004 (Arsenic)

### EPCRA HAZARD CLASS:

FIRE HAZARD: No PRESSURE: No REACTIVITY: Yes 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:

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.

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### 7. PRECAUTIONARY INFORMATION

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### 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. A pair of gloves made from the following material(s) are recommended: butyl rubber, nitrile rubber, polyvinyl alcohol, polyvinyl chloride.

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### 7. PRECAUTIONARY INFORMATION (continued)

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### 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:

Store in a cool place. Store away from heat. Keep container in wellventilated 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. No smoking while handling this material. Do not heat under confinement.

HMIS HAZARD RATINGS: HEALTH: 3 FLAMMABILITY: 1 REACTIVITY: 1 PERSONAL PROTECTION: X (See precautions, section 7.)

### EXPOSURE LIMITS

INGREDIENT	VALUE	UNIT	TYPE	AUTH SKIN*
Part A	NONE	NONE	NONE	NONE
METHYLENEBIS(ISOCYANATOBENZENE)	0.005	PPM	TWA	ACGIH
METHYLENEBIS(ISOCYANATOBENZENE) MDI-PPO-Hydrogenated polyButadiene	0.02	PPM	CEIL	OSHA
polymer	NONE	NONE	NONE	NONE
DIUNDECYL ESTER, BRANCHED AND LINEAR	NONE	NONE	NONE	NONE
BENZENE, 1,1'- METHYLENEBIS[ISOCYANATO-,				
HOMOPOLYMER	NONE	NONE	NONE	NONE
Part B	NONE	NONE	NONE	NONE
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				

#### EXPOSURE LIMITS (continued) TYPE AUTH SKIN\* INGREDIENT VALUE UNIT \_\_\_\_\_ NONE NONE NONE NONE LINEAR..... GLYCOLS, POLYPROPYLENE..... MG/M3 TWA 10 AIHA AS PARTICULATE ANTIMONY TRIOXIDE..... 0.5 MG/M3 TWA ACGIH as Sb N,N-DI(2-HYDROXYPROPYL)ANILINE..... NONE NONE NONE NONE DIPROPYLENE GLYCOL..... NONE NONE NONE NONE NONE NONE NONE NONE ALUMINUM POTASSIUM SODIUM SILICATE... MG/M3 TWA CASTOR OIL.... OSHA 10 AS MIST 3.5 MG/M3 CARBON BLACK..... TWA ACGIH CARBON BLACK..... 3.5 MG/M3 TWA OSHA CARBON BLACK..... 0.5 MG/M3 TWA CMRG Silanamine, 1,1,1-trimethyl-N-(trimethylsilyl)-, hydrolysis products with silica..... NONE NONE NONE NONE HYDROCINNAMIC ACID, 3,5-DI-TERT-NONE NONE BUTYL-4-HYDROXY-, OCTADECYL ESTER.. NONE NONE TRIETHYLENEDIAMINE...... NONE NONE NONE NONE 0.01 MG/M3 TWA ARSENIC..... OSHA 0.01 MG/M3 ARSENIC..... TWA ACGIH 0.005 MG/M3 TWA ARSENIC..... OSHA

\* 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.

OSHA ACTION LEVEL

## 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

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### 8. HEALTH HAZARD DATA

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### 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.

8. HEALTH HAZARD DATA (continued)

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

### INHALATION:

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.

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

### 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. (1309-64-4) (ACGIH suspected human carcingen A2, IARC possible human carcingen 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 carcino gen, Calif. Proposition 65 - Inorganic Arsenic Compounds)

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SECTION CHANGE DATES

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HEADING SECTION CHANGED SINCE April 16, 2001 ISSUE

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