MATERIAL SAFETY DATA SHEET	3M 3M Center St. Paul, Minnesota 55144-1000 1-800-364-3577 or (6	51) 737-6501 (24 hours	5)
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80-6107-3090-7 ISSUED: April 16, 20 SUPERSEDES: December DOCUMENT: 10-2631-9	PAIR COMPOUND 80-61 		54007-3:	3285-5
1. INGREDIENT		C.A.S. NO.	I	PERCENT
<pre>PART A: 1,1'- METHYLENEBIS(ISOCY P,P'-METHYLENEBIS(PF 1,3-BUTADIENE, HOMOF TERMINATED 1,2-BENZENEDICARBOXY ESTER, BRANCHED AN BENZENE, 1,1'-METHYI HOMOPOLYMER GLYCOLS, POLYPROPYLE TRIETHYL PHOSPHATE PART B: 1,3-BUTADIEN HYDROXY-TERMINATEI GLYCOLS, POLYPROPYLE DIUNDECYL PHTHALATE. N,N-DI(2-HYDROXYPROF DIPROPYLENE GLYCOL 1,2-BENZENEDICARBOXY ESTER, BRANCHED AN 4,4'-METHYLENEBIS(2, ALUMINUM POTASSIUM S CARBON BLACK</pre>	ANAOBENZENE) ENYL ISOCYANATE) POLYMER, HYDROXY- LIC ACID, DIUNDECYL ID LINEAR ENEBIS[ISOCYANATO-, INE NE NE NE YL)ANILINE		10 6 3 2	- 17 - 15 - 9 - 6 - 3.5 < .376 - 30 - 11 - 11 - 11 - 8 - 5 - 5 - 5 - 3 - 2 - 2 - 2
HYDROXY-, OCTADECY	3,5-DI-TERT-BUTYL-4- L ESTER	2082-79-3	.5	- 1

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NOTE: INGREDIENTS LISTED ON TSCA;EINECS,CDSL;AICS CHEMICAL INVENTORIES.

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

MSDS: 3M BRAND CABLE REPAIR COMPOUND April 16, 2001		PAGE 2
1. INGREDIENT	C.A.S. NO.	PERCENT
This product contains the following toxic the reporting requirements of Section 313 Planning and Community Right-To-Know Act o P,P'-METHYLENEBIS(PHENYL ISOCYANATE)	of Title III of the f 1986 and 40 CFR Pa	Emergency art 372:
2. PHYSICAL DATA		
BOILING POINT:	POL.:0.98 0 centipoise	
3. FIRE AND EXPLOSION HAZARD DATA		
FLASH POINT: N/D Both>230F FLAMMABLE LIMITS - LEL: N/D FLAMMABLE LIMITS - UEL: N/D AUTOIGNITION TEMPERATURE: N/D	Closed Cup	
EXTINGUISHING MEDIA: Water spray, Carbon dioxide, Dry chemica	l, Foam	
SPECIAL FIRE FIGHTING PROCEDURES: Wear full protective clothing, including positive pressure or pressure demand bre and pants, bands around arms, waist and protective covering for exposed areas of	athing apparatus, b legs, face mask, and	unker coat
UNUSUAL FIRE AND EXPLOSION HAZARDS: See Hazardous Decomposition section for Closed containers exposed to heat from f explode.	-	
Abbreviations: N/D - Not Determined N/A -	Not Applicable CA	- Approximately

MSDS: 3M BRAND CABLE REPAIR COMPOUND April 16, 2001 PAGE 3 _____ 3. FIRE AND EXPLOSION HAZARD DATA (continued) _____ NFPA HAZARD CODES: HEALTH: 2 FIRE: 2 REACTIVITY: 1 UNUSUAL REACTION HAZARD: reacts with water OSHA FIRE HAZARD CLASS: Class IIIB Combustible Liquid _____ 4. REACTIVITY DATA _____ STABILITY: Stable INCOMPATIBILITY - MATERIALS/CONDITIONS TO AVOID: Strong Bases, 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 the 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. _____ 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.

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

MSDS: 3M BRAND CABLE REPAIR COMPOUND April 16, 2001 PAGE 4 _____ 5. ENVIRONMENTAL INFORMATION (continued) _____ 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: Yes PRESSURE: No REACTIVITY: Yes ACUTE: Yes CHRONIC: Yes _____ 6. SUGGESTED FIRST AID _____ EYE CONTACT: Immediately flush eyes with large amounts of water for at least 15 minutes. 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. 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. Use one or more of the following personal protection items as necessary to prevent skin contact: apron, coveralls. RECOMMENDED VENTILATION: Provide appropriate local exhaust for heat curing. Use in a wellventilated area. If exhaust ventilation is not available, use appropriate respiratory protection. _____ Abbreviations: N/D - Not Determined N/A - Not Applicable CA - Approximately

MSDS: 3M BRAND CABLE REPAIR COMPOUND April 16, 2001				PAGE	5
7. PRECAUTIONARY INFORMATION (con	tinued)				
RESPIRATORY PROTECTION: Avoid breathing of vapors created dur prolonged breathing of vapors. Select approved respirators based on airborn and in accordance with OSHA regulation respirator.	t one of e concer	the follow tration of	ving NIC contami)SH .nants	
PREVENTION OF ACCIDENTAL INGESTION: Wash hands after handling and before	eating.				
RECOMMENDED STORAGE: Store in a cool place. Keep containe	r closed	l when not i	in use.		
FIRE AND EXPLOSION AVOIDANCE: Prevent all sources of ignition. No a material. Do not heat under confinem		while handl	ing thi	.s	
EXPOSURI	E LIMITS				
INGREDIENT	VALUE	UNIT	TYPE	AUTH SK	IN*
<pre>PART A: 1,1'- METHYLENEBIS(ISOCYANAOBENZENE) PART A: 1,1'-</pre>	0.005	PPM	TWA	ACGIH	
METHYLENEBIS(ISOCYANAOBENZENE) P,P'-METHYLENEBIS(PHENYL	0.02	PPM	CEIL	OSHA	
P,P -METHILENEBIS(PHENIL ISOCYANATE) P,P'-METHYLENEBIS(PHENYL	0.02	PPM	CEIL	OSHA	
ISOCYANATE)	0.005	PPM	TWA	ACGIH	
<pre>1,3-BUTADIENE, HOMOPOLYMER, HYDROXY-TERMINATED 1,2-BENZENEDICARBOXYLIC ACID, DIUNDECYL ESTER, BRANCHED AND</pre>	NONE	NONE	NONE	NONE	
LINEAR BENZENE, 1,1'- METHYLENEBIS[ISOCYANATO-,	NONE	NONE	NONE	NONE	
HOMOPOLYMER	NONE 10 AS F	NONE MG/M3 PARTICULATE	NONE TWA	NONE AIHA	
	110 E				

1,2-BENZENEDICARBOXYLIC ACID, _____ Abbreviations: N/D - Not Determined N/A - Not Applicable CA - Approximately

TRIETHYL PHOSPHATE.....

GLYCOLS, POLYPROPYLENE.....

DIUNDECYL PHTHALATE.....

N,N-DI(2-HYDROXYPROPYL)ANILINE.....

DIPROPYLENE GLYCOL.....

HYDROXY-TERMINATED.....

PART B: 1,3-BUTADIENE, HOMOPOLYMER,

NONE

AIHA

NONE

NONE

NONE

NONE NONE NONE NONE

NONE

AS PARTICULATE

NONE

NONE

NONE

MG/M3

NONE

10

NONE

NONE

NONE

NONE TWA

NONE

NONE

NONE

MSDS: 3M BRAND CABLE REPAIR COMPOUND

MSDS: 3M BRAND CABLE REPAIR COMPOUND April 16, 2001				P.	AGE	6
EXPOSURE LIMITS	(con	tinued)				
INGREDIENT	VALUE	UNIT	TYPE	AUTH	SKII	N*
DIUNDECYL ESTER, BRANCHED AND LINEAR	NONE	NONE	NONE	NONE		
DIETHYLANILINE) ALUMINUM POTASSIUM SODIUM SILICATE	NONE NONE	NONE NONE	NONE NONE	NONE NONE		
CARBON BLACK CARBON BLACK CARBON BLACK	3.5 3.5 0.5	MG/M3 MG/M3 MG/M3	TWA TWA TWA	ACGIH OSHA CMRG		
CASTOR OIL	10 AS MI	MG/M3 IST	TWA	OSHA		
HYDROCINNAMIC ACID, 3,5-DI-TERT- BUTYL-4-HYDROXY-, OCTADECYL ESTER	NONE	NONE	NONE	NONE		
* SKIN NOTATION: Listed substances indi the potential contribution to the overal including mucous membrane and eye, eithe by direct contact with the substance. V	l expos r by ai	ure by the rborne or,	cutaneo more pa	us rou rticul	te arly	,
 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						
<pre>EYE CONTACT: Severe Eye Irritation: signs/symptoms pain, tearing, cloudy appearance of th possible permanently impaired vision. SKIN CONTACT: Allergic Skin Reaction: signs/symptoms blistering, and itching. Moderate Skin Irritation: signs/sympto swelling, itching, and dryness. Allergic contact dermatitis may occur individuals after contact with Part A</pre>	e corne can in ms can in cert	a, impaired clude redne include red ain suscept	i vision ss, swe ness, ible	and		
Part A with Part B (polyol).		-				

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

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8. HEALTH HAZARD DATA (continued)

INHALATION:

Serious illness requiring medical attention or death may result from a single exposure by inhalation to a relatively small amount of this material.

Prolonged or repeated overexposure, above recommended guidelines, may cause:

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

Nervous System Effects: signs/symptoms can include emotional changes, lack of coordination, tremors and sensory loss.

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

Lung Damage: signs/symptoms can include coughing, difficulty breathing, wheezing, tightness in chest, congestion, and coughing up of blood.

IF SWALLOWED:

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

Illness may result from a single swallowing of a moderate quantity of this material.

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

Irritation of the Oral Mucosa: signs/symptoms can include bleeding, redness, swelling, and pain of the gums.

Aspiration Pneumonitis: signs/symptoms can include coughing, difficulty breathing, wheezing, coughing up blood and pneumonia, which can be fatal.

CANCER:

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

REPRODUCTIVE/DEVELOPMENTAL TOXINS:

TRIETHYL PHOSPHATE (CAS 78-40-0); Some organophosphates have caused lower fetal or birth weights and/or higher neonatal mortality. This material also caused male reproductive effects in rats.

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

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SECTION CHANGE DATES		

PRECAUTIONARY INFO. SECTION CHANGED SINCE December 01, 1997 ISSUE

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

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