MATERIAL SAFETY DATA SHEET	3M 3M Center St. Paul, Minnesota 55144-1000 1-800-364-3577 or (65	51) 737-6501 (2	24 hours)			
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DIVISION: TELECOM SYSTEMS DIVISION TRADE NAME: SCOTCHCAST EXPANDABLE SEALANT FOR 4411, 4416 AND K&B REHAB KITS ID NUMBER/U.P.C.: 80-6100-8712-6 00-54007-32006-7 80-6100-9488-2 00-54007-32562-8 80-6101-0166-1 00-54007-33065-3 80-6101-4502-3 00-54007-17083-9 80-6101-4503-1 00-54007-17084-6 80-6110-0605-9 00-51138-70500-8 80-6110-2112-4 00-51138-89399-6 ISSUED: December 12, 2000 SUPERSEDES: May 26, 2000 DOCUMENT: 10-2416-5							
1. INGREDIENT		C.A.S. NO.		ERCENT			
HIGHER OLIGOMERS OF P,P'-METHYLENEBIS(PH 1,1'-METHYLENEBIS(IS SILICONE COPOLYMER PART B (POLYOL): POLYETHER POLYOL GLYCOLS, POLYPROPYLE WATER N,N-DIMETHYLCYCLOHEX	YLAMINE	9016-87-9 101-68-8 26447-40-5 TradeSecret Mixture 25723-16-4 25322-69-4 7732-18-5 98-94-2	35 3 1 80 15 1 0.1	- 55 - 7 - 5 41.2 - 90			
TradeSecret = NJ Reg. Nos. 027586004-5045P; -5046P; -5047P							

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: HIGHER OLIGOMERS OF MDI

P, P'-METHYLENEBIS(PHENYL ISOCYANATE)

MSDS: SCOTCHCAST EXPANDABLE SEALANT FOR 4411, 4416 AND K&B REHAB KITS December 12, 2000 PAGE 2 _____ 2. PHYSICAL DATA _____ BOILING POINT:..... N/D VAPOR PRESSURE:..... < 0.00001 mmHg @ 77F(MDI) VAPOR DENSITY:..... 8.5 Air=1 (MDI) EVAPORATION RATE: N/A SOLUBILITY IN WATER:..... PART A: Reacts. PART B: Soluble. SPECIFIC GRAVITY:..... PART A: 1.24. PART B: 1.03. PERCENT VOLATILE:..... N/A pH:..... N/A VISCOSITY:..... PART A: ~205 cps. PART B: ~550 cps. MELTING POINT: N/A APPEARANCE AND ODOR: PART A: Dark brown liquid. PART B: Clear liquid w/slight amine odor. _____ 3. FIRE AND EXPLOSION HAZARD DATA _____ FLASH POINT:..... > 230 F TCC PARTS A & B 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 OSHA FIRE HAZARD CLASS: Class IIIB Combustible Liquid

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

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7. PRECAUTIONARY INFORMATION (continued)

FIRE AND EXPLOSION AVOIDANCE:

Prevent all sources of ignition.

EXPOSURE LIMITS

INGREDIENT	VALUE	UNIT	TYPE	AUTH SKIN*
PART A (PREPOLYMER):	NONE	NONE	NONE	NONE
HIGHER OLIGOMERS OF MDI	NONE	NONE	NONE	NONE
P,P'-METHYLENEBIS(PHENYL				
ISOCYANATE)	0.02	PPM	CEIL	OSHA
P,P'-METHYLENEBIS(PHENYL				
ISOCYANATE)	0.005	PPM	TWA	ACGIH
1,1'-				
METHYLENEBIS(ISOCYANATOBENZENE)	0.005	PPM	TWA	ACGIH
1,1'-				
METHYLENEBIS(ISOCYANATOBENZENE)	0.02	PPM	CEIL	OSHA
SILICONE COPOLYMER	NONE	NONE	NONE	NONE
PART B (POLYOL):	NONE	NONE	NONE	NONE
POLYETHER POLYOL	NONE	NONE	NONE	NONE
GLYCOLS, POLYPROPYLENE	10	MG/M3	TWA	AIHA
		PARTICULATE		
WATER	NONE	NONE	NONE	NONE
N,N-DIMETHYLCYCLOHEXYLAMINE	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
- 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.

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