MATERIAL SAFETY 3M DATA SHEET 3M Center St. Paul, Minnesota 55144-1000 1-800-364-3577 or (651) 737-6501 (24 hours) Copyright, 2001, Minnesota Mining and Manufacturing Company. All rights reserved. Copying and/or downloading of this information for the purpose of properly utilizing 3M products is allowed provided that: 1) the information is copied in full with no changes unless prior agreement is obtained from 3M, and 2) neither the copy nor the original is resold or otherwise distributed with the intention of earning a profit thereon. DIVISION: ELECTRICAL PRODUCTS DIVISION TRADE NAME: CP HEAT SHRINK TUBING - BLACK ISSUED: February 02, 2001 SUPERSEDES: December 03, 1997 DOCUMENT: 07-0855-2 \_\_\_\_\_ 1. INGREDIENT C.A.S. NO. PERCENT \_\_\_\_\_ Flame Retardant Polyolefin..... Unknown 100 See Section 4 for Hazardous Decomposition Products. \_\_\_\_\_ 2. PHYSICAL DATA \_\_\_\_\_ BOILING POINT: ..... N/A VAPOR PRESSURE:..... N/A VAPOR DENSITY:..... N/A EVAPORATION RATE:.... N/A SOLUBILITY IN WATER:..... N/A SPECIFIC GRAVITY:..... ca. 1.1 Water=1 PERCENT VOLATILE:.... N/A pH:.....N/A VISCOSITY:.....N/A MELTING POINT:..... N/D APPEARANCE AND ODOR: Black tubing, various sizes, odorless \_\_\_\_\_ 3. FIRE AND EXPLOSION HAZARD DATA \_\_\_\_\_ FLASH POINT:..... N/A FLAMMABLE LIMITS - LEL:..... N/A FLAMMABLE LIMITS - UEL:..... N/A AUTOIGNITION TEMPERATURE:..... N/D \_\_\_\_\_ Abbreviations: N/D - Not Determined N/A - Not Applicable CA - Approximately

MSDS: CP HEAT SHRINK TUBING - BLACK February 02, 2001 PAGE 2 \_\_\_\_\_ 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: None known. NFPA HAZARD CODES: HEALTH: 0 FIRE: 0 REACTIVITY: 0 UNUSUAL REACTION HAZARD: none OSHA FIRE HAZARD CLASS: Not applicable \_\_\_\_\_ 4. REACTIVITY DATA \_\_\_\_\_ STABILITY: Stable INCOMPATIBILITY - MATERIALS/CONDITIONS TO AVOID: None known. HAZARDOUS POLYMERIZATION: Hazardous polymerization will not occur. HAZARDOUS DECOMPOSITION PRODUCTS: Carbon Monoxide and Carbon Dioxide, Aldehydes, Oxides of Antimony, Toxic Vapors, Gases or Particulates Heating product beyond temperature recommended by instruction sheet may cause release of the following compounds: Benzene, Toluene, Formaldehyde, Acetaldehyde, and Hydrogen Bromide. \_\_\_\_\_ 5. ENVIRONMENTAL INFORMATION \_\_\_\_\_ SPILL RESPONSE: Not applicable. RECOMMENDED DISPOSAL: Dispose of waste product in a sanitary landfill. ENVIRONMENTAL DATA: No data available. \_\_\_\_\_ Abbreviations: N/D - Not Determined N/A - Not Applicable CA - Approximately

MSDS: CP HEAT SHRINK TUBING - BLACK February 02, 2001 PAGE 3 \_\_\_\_\_ 5. ENVIRONMENTAL INFORMATION (continued) \_\_\_\_\_ REGULATORY INFORMATION: Volatile Organic Compounds: N/A. VOC Less H2O & Exempt Solvents: N/A. Since regulations vary, consult applicable regulations or authorities before disposal. EPCRA HAZARD CLASS: FIRE HAZARD: NO PRESSURE: NO REACTIVITY: NO ACUTE: NO CHRONIC: NO \_\_\_\_\_ 6. SUGGESTED FIRST AID \_\_\_\_\_ EYE CONTACT: If exposed to vapors or smoke, immediately flush eyes with large amounts of water. Get immediate medical attention. SKIN CONTACT: If skin contact with hot material occurs: DO NOT ATTEMPT TO REMOVE MOLTEN MATERIAL. Immediately flush affected area with plenty of cold water and cover with a clean dressing. Have burn treated by a physician. INHALATION: If signs/symptoms occur, remove person to fresh air. If signs/symptoms continue, call a physician. IF SWALLOWED: Drink two glasses of water. Call a physician. \_\_\_\_\_ 7. PRECAUTIONARY INFORMATION \_\_\_\_\_ EYE PROTECTION: Avoid eye contact with vapors or smoke resulting from overheating or when used in confined areas. SKIN PROTECTION: Avoid skin contact with hot material. Wear appropriate gloves, such as Nomex, when handling this material to prevent thermal burns. RECOMMENDED VENTILATION: Local exhaust is required for operations using large amounts of material. Conduct air monitoring to determine adequacy of ventilation. Use in a well-ventilated area. Provide sufficient ventilation to maintain emissions below recommended exposure limits. If exhaust ventilation is not adequate, use appropriate respiratory protection. \_\_\_\_\_ Abbreviations: N/D - Not Determined N/A - Not Applicable CA - Approximately

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7. PRECAUTIONARY INFORMATION (cont						
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ESPIRATORY PROTECTION: Avoid breathing of fumes. Select one respirators based on airborne concentr accordance with OSHA regulations: Hal with dust/mist prefilter.	ration of	E contamina	ants and	l in		
REVENTION OF ACCIDENTAL INGESTION: Wash hands after handling and before e	eating.					
ECOMMENDED STORAGE: Store at room temperature. Keep out o	of the re	each of ch	ildren.			
TIRE AND EXPLOSION AVOIDANCE: Not applicable.						
EXPOSURE	E LIMITS					
NGREDIENT	VALUE	UNIT	TYPE	AUTH	SKI	N*
EXPOSURE INGREDIENT Jame Retardant Polyolefin	VALUE				SKI:	N*
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MSDS: CP HEAT SHRINK TUBING - BLACK February 02, 2001 PAGE 5 \_\_\_\_\_ 8. HEALTH HAZARD DATA (continued) \_\_\_\_\_ SKIN CONTACT: Skin Burns (thermal, from contact with hot material): signs/symptoms can include burning pain, red and swollen skin, and blisters. INHALATION: Vapors of heated material may cause respiratory system irritation. RESPIRATORY IRRITATION WOULD NOT BE EXPECTED IN APPLICATIONS WHERE ADEQUATE VENTILATION AND PROPER APPLICATION (AT DESIGNATED TEMPERATURES) IS UTILIZED. EXCESSIVE HEATING AND INADEQUATE VENTILATION MAY RESULT IN EXPOSURE TO THERMAL DEGRADATION AND DECOMPOSITION PRODUCTS AS INDICATED IN SECTION 4 OF THIS MSDS UNDER "REACTIVITY DATA-HAZARDOUS DECOMPOSITION PRODUCTS". IF SWALLOWED: Ingestion is not a likely route of exposure to this product. \_\_\_\_\_ SECTION CHANGE DATES \_\_\_\_\_ PHYSICAL DATA SECTION CHANGED SINCE December 03, 1997 ISSUE \_\_\_\_\_ \_ \_ \_ \_ \_ \_ \_ \_ \_ \_

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

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