MATERIAL SAFETY 3M

DATA SHEET 3M Center

St. Paul, Minnesota

55144-1000

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DIVISION: ELECTRONIC HANDLING & PROTECTION DIV

TRADE NAME:

Burn-In Sockets (Mtl. #006) ISSUED: October 16, 2000

SUPERSEDES: September 29, 2000

DOCUMENT: 06-1472-7

1. INGREDIENT C.A.S. NO. PERCENT

 Polysulfone...
 25154-01-2
 52
 - 62

 Fibrous Glass...
 65997-17-3
 34
 - 44

 ZINC OXIDE...
 1314-13-2
 1
 - 11

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: ZINC OXIDE

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:..... 1.61 Water=1

 PERCENT VOLATILE:
 N/A

 pH:
 N/D

 VISCOSITY:
 N/A

 MELTING POINT:
 190 C

APPEARANCE AND ODOR:

Solid block or slab, No odor.

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3. FIRE AND EXPLOSION HAZARD DATA

EXTINGUISHING MEDIA:

Water spray, 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:

No unusual fire or explosion hazards are anticipated.

NFPA HAZARD CODES: HEALTH: 1 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:

DECOMPOSITION OF THIS PRODUCT OR HEATING OF THIS PRODUCT IN EXCESS OF THE RECOMMENDED USE TEMPERATURE (150 DEGREES CENTIGRADE) MAY RELEASE CHEMICALS LISTED IN SECTION 8 OF THIS MATERIAL SAFETY DATA SHEET AS WELL AS DERIVATIVES OF THESE CHEMICALS.

5. ENVIRONMENTAL INFORMATION

SPILL RESPONSE:

Not applicable.

RECOMMENDED DISPOSAL:

Dispose of waste product in a sanitary landfill. Reclaim if feasible. Product may be recycled.

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5. ENVIRONMENTAL INFORMATION (continued)

ENVIRONMENTAL DATA:

No data available.

REGULATORY INFORMATION:

Volatile Organic Compounds: N/A. VOC Less H2O & Exempt Solvents: N/A.

EPCRA HAZARD CLASS:

FIRE HAZARD: NO PRESSURE: NO REACTIVITY: NO ACUTE: NO CHRONIC: NO

6. SUGGESTED FIRST AID

EYE CONTACT:

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:

Not applicable.

SKIN PROTECTION:

Avoid skin contact with hot material. Wear appropriate gloves, such as Nomex, when handling this material to prevent thermal burns.

RECOMMENDED VENTILATION:

Provide appropriate local exhaust when product is heated. Conduct air monitoring to determine adequacy of ventilation. Provide sufficient ventilation to maintain emissions below recommended exposure limits.

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7. PRECAUTIONARY INFORMATION (continued)

RESPIRATORY PROTECTION:

Avoid breathing of thermal decomposition products.

PREVENTION OF ACCIDENTAL INGESTION:

Wash hands after handling and before eating.

RECOMMENDED STORAGE:

Not applicable. Keep out of the reach of children.

FIRE AND EXPLOSION AVOIDANCE:

Not applicable.

EXPOSURE LIMITS

INGREDIENT		UNIT			
PolysulfoneFibrous Glass	NONE	NONE MG/M3	NONE	NONE	
ZINC OXIDE	10 AS D	MG/M3 JST	TWA	ACGIH	
ZINC OXIDE	AS DI				
ZINC OXIDE		VACATED PE MG/M3 ume	_		
ZINC OXIDE	10 as fi	MG/M3 ume	STEL	ACGIH	
ZINC OXIDE	5 as fi	MG/M3 ume	TWA	OSHA	
ZINC OXIDE	as fi	MG/M3 ume VACATED PE		OSHAV	
ZINC OXIDE	15 AS DI	MG/M3		OSHA	
ZINC OXIDE	5 AS DI	MG/M3		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.

SOURCE OF EXPOSURE LIMIT DATA:

- 3M: 3M Recommended Exposure Guidelines
- ACGIH: American Conference of Governmental Industrial Hygienists
- OSHA: Occupational Safety and Health Administration

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EXPOSURE LIMITS (continued)

INGREDIENT VALUE UNIT TYPE AUTH SKIN*

- OSHAV: Occupational Safety and Health Administration Vacated PEL.

Vacated Permissible Exposure Limits (PEL) are enforced as
the OSHA PEL in some states. Check with your local

regulatory authority.

- NONE: None Established

8. HEALTH HAZARD DATA

EYE CONTACT:

Vapors from heated material may cause eye irritation.

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.

Heating of this material to 150 degrees centigrade may release trace quantities of aliphatic and aromatic hydrocarbons which may include the following: acetone, toluene, ethylbenzene, styrene, xylene, methoxybenzene, benzaldehyde, phenol, nonanal, napthalene, decanal, and methyl propyl thiophene. Chlorinated hydrocarbons that may be released include chlorobenzene, and 1,4-dichlorobenzene. if ventilation is inadequate these vapors may be found to be objectionable and may cause respiratory irritation.

IF SWALLOWED:

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

No adverse health effects are expected from swallowing.

SECTION CHANGE DATES

PRECAUTIONARY INFO. SECTION CHANGED SINCE September 29, 2000 ISSUE

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