



Electronics

MATERIAL SAFETY DATA SHEET

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

MANUFACTURER: Tyco Electronics 300 Constitution Drive Menlo Park, CA 94025-1164
SUPPLIER: Tyco Electronics 300 Constitution Drive Menlo Park, CA 94025-1164

FOR CHEMICAL EMERGENCY, SPILL, LEAK, FIRE, EXPOSURE or ACCIDENT
Call CHEMTREC - Day or Night - 1-800-424-9300 Toll free in the continental U.S., Hawaii, Puerto Rico, Canada, Alaska or
Virgin Islands. For calls originating elsewhere: (703) 527-3887 (collect calls accepted)

For non-emergency health and safety information, call: (650) 361-4907

EFFECTIVE DATE: March 2002 PRINT DATE: March 30, 2004 MSDS #: RAY/6001
REVISION NUMBER: 1

PRODUCT NAME: S1325, EPPA-222
SYNONYMS: S1325, EPPA-222
PRODUCT USE: This product is a stress control tape used as a sealant in 35 KV kits.
MSDS PREPARED BY: Roger Riley, EHS Manager (650) 361-3210

2. COMPOSITION/INFORMATION ON INGREDIENTS

CHEMICAL INGREDIENTS (% BY WEIGHT):

Proprietary Mixture: Rubbery tape, consisting mainly of polyisobutylene (PIB), ethylene propylene rubber (EPR), butyl rubber, and other polyolefins, compounded with carbon black, mineral fillers, and minor compounding ingredients. Interleaving: PVC film or silicone coated release paper.

DEPARTMENT OF TRANSPORTATION IDENTIFICATION NUMBER: Not applicable

See Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION for Exposure Guidelines

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

This product is bound within a synthetic elastomer and polyolefin mixture and is not available for exposure. The product is not considered hazardous during proper installation, but may emit hazardous thermal decomposition and combustion byproducts if overheated. See Section 5: FIRE FIGHTING MEASURES, Hazardous Combustion Products of this MSDS for more specific information.

POTENTIAL HEALTH EFFECTS:

ACUTE (SHORT-TERM) EXPOSURE:

EYE: Overheating the product to charring or burning will produce black fumes that may cause eye irritation.

SKIN: Contact with molten material due to overheating may cause burns.

INHALATION: Overheating the product to charring or burning will produce black fumes that may cause irritation to the upper respiratory tract.

INGESTION: Ingestion of this material is highly unlikely. However, this material is expected to have a low degree of toxicity if swallowed.

CHRONIC (LONG-TERM) EXPOSURE:

No known effects.

4. FIRST AID MEASURES

EYE: Treat as an inert foreign object. If irritation occurs due to fumes being produced during overheating, hold eyelids apart and flush eyes with clean water or saline for a minimum of 15 minutes. Consult a doctor/medical service immediately if irritation persists.

SKIN: If molten material contacts skin, cool immediately with water. DO NOT attempt to remove material from the skin. Treat as a burn and seek medical attention.

INHALATION: If respiratory symptoms or other symptoms of exposure develop, move victim to fresh air and seek medical attention.

INGESTION: Not a normal route of exposure. If swallowed and symptoms develop, seek medical attention.

5. FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA: Use water, polyvalent foam, and/or carbon dioxide.

HAZARDOUS COMBUSTION PRODUCTS: Releases carbon monoxide, carbon dioxide, toxic and corrosive gases/vapors (nitrous vapors, sulfur oxides) upon burning.

FIRE FIGHTING EQUIPMENT: Firefighters should wear self-contained breathing apparatus with a full-face piece operated in the positive pressure demand mode when fighting fires. Limit and contain firefighting water.

6. ACCIDENTAL RELEASE MEASURES

Wear appropriate personal protection when responding, as specified under **Section 8: EXPOSURE CONTROLS / PERSONAL PROTECTION** below. This material may be swept up and collected in a suitable container for disposal or reuse.

7. HANDLING AND STORAGE

HANDLING: Refer to Tyco product installation instructions. Do not eat, drink, or smoke in the work area. Wash hands after handling material.

STORAGE: Keep in a dry atmosphere at ambient temperature, away from sources of heat and ignition.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

RESPIRATORY PROTECTION: None recommended for normal conditions of use.

SKIN PROTECTION: None recommended for normal conditions of use.

EYE PROTECTION: None recommended for normal conditions of use.

EXPOSURE GUIDELINES: There are no established exposure limits for this product. However, there may be exposure limits for degradation and combustion byproducts such as carbon monoxide, carbon dioxide, and corrosive and toxic gases/vapors (nitrous vapors, sulfur oxides).

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE:	Soft rubbery tape, interleaved with a disposable PVC or paper	PHYSICAL STATE:	Solid
ODOR:	Negligible	ODOR THRESHOLD:	Not available
BOILING POINT:	Not available	SPECIFIC GRAVITY:	Not available
MELTING POINT	Not applicable	SUBLIMATION POINT	Not applicable
VAPOR PRESSURE (mmHg):	Not available	FREEZING POINT:	Not applicable
VAPOR DENSITY (air=1):	Not available	pH:	Not applicable
SOLUBILITY IN WATER:	Insoluble	VOLATILITY (% by volume):	Not applicable
OCTANOL/WATER PARTITION COEFFICIENT	Not applicable	EVAPORATION RATE:	Not applicable

10. STABILITY AND REACTIVITY

STABILITY: This product is stable under the recommended storage and handling conditions.

CONDITIONS TO AVOID: Protect product from sources of heat and ignition.

INCOMPATIBILITY (Specific Materials to Avoid): None known.

HAZARDOUS DECOMPOSITION PRODUCTS: See Sections 5: FIRE FIGHTING MEASURES (Hazardous Combustion Products).

HAZARDOUS POLYMERIZATION: No known polymerization conditions to avoid.

11. TOXICOLOGICAL INFORMATION

LD₅₀/LC₅₀: No known toxicity studies have been performed on this product.

ROUTES OF ENTRY: No harmful effects are expected during normal use. Inhalation of vapors from the overheating product may occur. Contact with eye as an inert foreign object may cause irritation and redness.

EFFECTS OF ACUTE OVEREXPOSURE: None known

EFFECTS OF CHRONIC OVEREXPOSURE: None known

IRRITANCY OF PRODUCT: None reported

SENSITIZATION TO MATERIAL: No sensitization reported on any chemical components of product.

CARCINOGENICITY: The ingredients of this product, present at equal to or greater than 0.1% of the product, are not listed by OSHA, NTP, or IARC as suspect carcinogens.

REPRODUCTIVE TOXICITY: None reported

TERATOGENICITY: None reported

MUTAGENICITY: None reported

TOXICOLOGICALLY SYNERGISTIC PRODUCTS: Not known.

12. ECOLOGICAL INFORMATION

There is no data available on the mixture itself. The product should not be allowed to enter drains or watercourses.

13. DISPOSAL CONSIDERATION

Dispose of as combustible, non-toxic landfill in accordance with all local, state and federal regulations. Incinerate only at incinerators with built-in fume scrubbers.

14. TRANSPORT INFORMATION

The transport of this product is not regulated or restricted.

15. REGULATORY INFORMATION

California Proposition 65: This product does not contain chemicals known to the state of California to cause cancer, birth defects, or other reproductive harm.

TSCA: All chemicals in this product are listed under the TSCA chemical inventory.

16. OTHER INFORMATION

Sources of Information:

Tyco makes no warranties as to the accuracy or completeness of this information and disclaims any liability in connection with its use. Tyco's obligations shall be only as set forth in Tyco's standard terms and conditions of sale for this product. In no case will Tyco be liable for any incidental, indirect or consequential damages arising out of the sale, resale, use or misuse of the product.

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