

Raychem

MATERIAL SAFETY DATA SHEET

Issue No: 1

Effective Date: May 1997

Serial No.: RAY/4567

PRODUCT IDENTIFICATION

Product Name: S-1308 Stress Patch

Manufacturer: Raychem Corporation
300 Constitution Drive
Menlo Park, CA 94025

Chemical Name: Not applicable
CAS #: Not applicable, mixture
DOT Proper Shipping Name: Not regulated.
DOT Identification No: Not regulated.
DOT Hazard Identification: Not regulated.
TSCA Status: All ingredients are listed.

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

HAZARDOUS INGREDIENTS

All ingredients are considered proprietary.

NOTE: This material contains an antimony compound (maximum of 8%) and a zinc compound (maximum of 76%) which are subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

PHYSICAL PROPERTIES

Appearance and Odor: Dark green sheet. Slight hydrocarbon odor.

Boiling Point: Not applicable

Melting Point: Not applicable

Vapor Pressure (mm Hg @ 20°C): Not applicable

Vapor Density: Not applicable

Specific Gravity (water = 1): 2.6

Evaporation Rate: Not applicable

Flash Point (°F)/Method: Not applicable

Solubility in Water: Insoluble

Flammable Limits in Air (volume %): Lower Not applicable Upper Not applicable

HEALTH HAZARD INFORMATION

Exposure Limits: There are no exposure limits applicable to this product as supplied or used.

Health Effects/Symptoms of Exposure:

The information presented below corresponds to the individual components of this material. Toxicity studies have not been performed on the mixture as a whole.

Acute (Short-Term Exposure):

Eye Contact:

This product is not expected to cause eye irritation.

Ingestion (Swallowing): Ingestion of this product is highly unlikely. While this product has a low degree of toxicity, ingestion of excessive quantities may cause nausea, vomiting, diarrhea, and severe irritation of the intestinal tract. Persons with pre-existing gastrointestinal disorders may be more susceptible to the effects of ingesting this product.

Inhalation (Breathing): Inhalation of this product is unlikely due to its low volatility.

Chronic (Long-Term Exposure):

Results of tests in laboratory animals and cell culture systems have shown that a component of this product can cause irreversible changes in the genetic material (DNA) of a cell. The human health consequence of these changes is not fully understood.

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

STORAGE, HANDLING, AND PREVENTATIVE MEASURES

Stability: Stable at room temperature.

Conditions to Avoid: Avoid heat, flame and other sources of ignition.

Incompatibilities (Materials to Avoid): Avoid contact with strong oxidizing agents.

Hazardous Polymerization: Will not occur. No known polymerization conditions to avoid.

Thermal Degradation and Combustion Byproducts: Toxic gases and vapors may be released in a fire involving this material. Thermal degradation products may include, but not be limited to, carbon monoxide, carbon dioxide, various hydrocarbons, and water. At temperatures above 1472°F (800°C), toxic metal oxide fumes may be given off.

Handling: Wash thoroughly after handling.

Storage: Store in closed containers in a cool, dry, well ventilated area away from direct heat and light.

Ventilation: In accordance with good industrial hygiene practice, ensure adequate ventilation during application.

Respiratory Protection: Respiratory protection is not normally required.

Protective Clothing and Equipment: None normally required.

Disposal: This material contains metallic compounds. Hazardous waste determination is required according to all federal, state and local regulations before disposal.

EMERGENCY AND FIRST AID PROCEDURES

Eyes: If eye irritation occurs, hold eyelids apart and flush affected eye(s) immediately with clean water. Seek medical attention.

Skin: Thoroughly wash affected area(s) with mild soap and water. If irritation or redness develops and persists, seek medical attention.

Ingestion: Ingestion of this product is highly unlikely. However, if swallowed and symptoms develop, seek medical attention.

Inhalation: If respiratory symptoms or other symptoms of exposure develop, move victim to fresh air. If symptoms persist, seek medical attention. If breathing difficulties develop, oxygen should be administered by qualified personnel. Seek immediate medical attention. If victim is not breathing, immediately begin artificial respiration. Keep victim warm and quiet; seek immediate medical attention.

Steps to be Taken in Case of Release or Spill: Classification according to all federal, local and state hazardous waste regulations is required before disposal.

Unusual Fire and Explosion Hazards: Toxic fumes may be given off in a fire. See sections on Thermal Degradation and Combustion Byproducts and Other Precautions.

Special Fire Fighting Procedures: Firefighters should wear self-contained breathing apparatus with a full facepiece operated in the positive pressure demand mode when fighting fires.

Extinguishing Media: : carbon dioxide X water X dry chemical X foam X other ____
Selection of extinguishing media should be based upon the size of the fire, the firefighting training/experience of the individual attempting to extinguish or control the fire, and the packaging materials exposed to the fire.

This information is supplied in accordance with the OSHA Hazard Communication Standard (29 CFR 1910.1200) and the California Safe Drinking Water and Toxics Enforcement Act of 1986 (California Health & Safety Code 25249.6). Users are advised that they may have additional disclosure obligations under other federal, state, and local laws. Users are advised to ensure that this information is brought to the attention of the employees, agents, or contractors handling this product. Distributors of this product are advised to forward this document, or the information contained herein, to their purchaser. Raychem makes no warranties as to its accuracy or completeness and disclaims any liability in connection with its use. Raychem's obligations shall be only as set forth in Raychem's standard terms and conditions of sale for this product and in no case will Raychem be liable for any incidental, indirect or consequential damages arising out of the sale, resale, use or misuse of the product. Users of Raychem products should make their own evaluation to determine the suitability of each such product for the specific application and to establish safe handling and installation procedures.

Data Sheet Prepared By: Donna Seid, Corporate Toxicology

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Data Sheet Approved By: Kathy Maher, Electrical Products Division

Date: May 1997