MSDS Record Number: 2829980

**IDENTIFICATION**

PRODUCT NAME(S): EPOXYMORTAR PATCH-RESIN
PRODUCT IDENTIFICATION: 5498 PART C
DATE OF MSDS: 2000-11-27
CURRENCY NOTE: This MSDS was provided to CCOHS in electronic form on 2001-08-01

**SUPPLIER/DISTRIBUTOR INFORMATION**

SUPPLIER/DISTRIBUTOR: Rust-Oleum Corporation
ADDRESS: 11 Hawthorn Parkway
           Vernon Hills Illinois
           U.S.A. 60061
EMERGENCY TELEPHONE NO.: 847-367-7700 (8:00 AM - 4:30 PM / 24-hr Emer. Assist)

**MATERIAL SAFETY DATA**

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**SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**

PRODUCT NAME: EPOXYMORTAR PATCH-RESIN
IDENTIFICATION NUMBER: 5498 PART C
DATE PRINTED: 12/02/00
PRODUCT USE/CLASS: EPOXY PATCH

SUPPLIER:
RUST-OLEUM CORPORATION
11 HAWTHORN PARKWAY
VERNON HILLS, IL 60061
Infotrac: 1-800-535-5053
24 hours every day.

MANUFACTURER:
RUST-OLEUM CORPORATION
11 HAWTHORN PARKWAY
VERNON HILLS, IL 60061
Infotrac: 1-800-535-5053
24 hours every day.

PREPARER: LJW, PHONE: 847-367-7700, PREPARE DATE: 11/27/00

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**SECTION 2 - COMPOSITION/INFORMATION ON INGREDIENTS**

<table>
<thead>
<tr>
<th>ITEM</th>
<th>CHEMICAL NAME</th>
<th>CAS NUMBER</th>
<th>WT/WT %</th>
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<tr>
<td></td>
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<td></td>
<td>LESS THAN</td>
</tr>
<tr>
<td>01</td>
<td>BISPHENOL A/EPICHLOROHYDRIN EPOXY RESIN</td>
<td>25068-38-6</td>
<td>15.0 %</td>
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<tr>
<td>02</td>
<td>TITANIUM DIOXIDE</td>
<td>13463-67-7</td>
<td>5.0 %</td>
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EXPOSURE LIMITS

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<tr>
<th>ITEM</th>
<th>TLV-TWA</th>
<th>TLV-STEL</th>
<th>PEL-TWA</th>
<th>PEL-CEILING</th>
<th>TLV-TWA</th>
<th>SKIN</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
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</tbody>
</table>

SECTION 3 - HAZARDS IDENTIFICATION

*** EMERGENCY OVERVIEW ***: Causes eye irritation. Causes skin irritation. May cause allergic skin reaction.

EFFECTS OF OVEREXPOSURE - EYE CONTACT: Extremely irritating to the eyes and may cause severe damage, including blindness. Substance causes severe eye irritation. Injury may be permanent.

EFFECTS OF OVEREXPOSURE - SKIN CONTACT: May cause skin sensitization, an allergic reaction, which becomes evident on reexposure to this material.

EFFECTS OF OVEREXPOSURE - INHALATION: High vapor concentrations are irritating to the eyes, nose, throat and lungs.

EFFECTS OF OVEREXPOSURE - INGESTION: Substance may be harmful if swallowed.

EFFECTS OF OVEREXPOSURE - CHRONIC HAZARDS: Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage.

PRIMARY ROUTE(S) OF ENTRY: SKIN CONTACT SKIN ABSORPTION EYE CONTACT

SECTION 4 - FIRST AID MEASURES

FIRST AID - EYE CONTACT: Hold eyelids apart and flush with plenty of water for at least 15 minutes. Get medical attention.

FIRST AID - SKIN CONTACT: Wash with soap and water. Get medical attention if irritation develops or persists.

FIRST AID - INHALATION: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get immediate medical attention.

FIRST AID - INGESTION: If swallowed, do not induce vomiting. Give victim a glass of water or milk. Call a physician or poison control center immediately. Never give anything by mouth to an unconscious person.

SECTION 5 - FIRE FIGHTING MEASURES

FLASH POINT: 210 F (SEATFASH CLOSERD CUP) LOWER EXPLOSIVE LIMIT: 0.6 %
AUTOIGNITION TEMPERATURE: ND UPPER EXPLOSIVE LIMIT: 9.0 %
EXTINGUISHING MEDIA: DRY CHEMICAL FOAM WATER POG

UNUSUAL FIRE AND EXPLOSION HAZARDS: When mixed with activator, a highly exothermic reaction will occur in less than 30 minutes. FLASH POINT IS >200 F. AS TESTED BY SETA-FLASH. LISTED FLASH POINT IS CALCULATED THROUGH FORMULA COMPONENT INFORMATION.

SPECIAL FIREFIGHTING PROCEDURES: Water may be used to cool closed containers to prevent buildup of steam. Full protective equipment including self-contained breathing apparatus should be used. Evacuate area and fight fire from a safe distance.

SECTION 5 - FIRE FIGHTING MEASURES

(Continued on Page 3)

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SECTION 6 - ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Contain spilled liquid with sand or earth. DO NOT use combustible materials such as sawdust. Dispose of according to local, state (provincial) and federal regulations. Do not incinerate closed containers.

SECTION 7 - HANDLING AND STORAGE

HANDLING: Wash thoroughly after handling. Use only in a well-ventilated area. Follow all MSDS/label precautions even after container is emptied because it may retain product residues. Avoid contact with eyes, skin and clothing.

STORAGE: Keep containers tightly closed. Isolate from heat, electrical equipment, sparks and open flame.

SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS: Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits. Prevent build-up of vapors by opening all doors and windows to achieve cross-ventilation.

RESPIRATORY PROTECTION: A respiratory protection program that meets OSHA 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace conditions warrant a respirator's use. A NIOSH/MSHA approved air purifying respirator with an organic vapor cartridge or canister may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits. Protection provided by air purifying respirators is limited. Use a positive pressure air supplied respirator if there is any potential for an uncontrolled release, exposure levels are not known, or any other circumstances where air purifying respirators may not provide adequate protection.

SKIN PROTECTION: Use gloves to prevent prolonged skin contact. Nitrile or Neoprene gloves may afford adequate skin protection.

EYE PROTECTION: Use safety eyewear designed to protect against splash of liquids.
OTHER PROTECTIVE EQUIPMENT: Refer to safety supervisor or industrial hygienist for further information regarding personal protective equipment.

(Continued on Page 4)

SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

and its application.

HYGIENIC PRACTICES: Wash thoroughly with soap and water before eating, drinking or smoking. Remove contaminated clothing immediately and launder before reuse.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

BOILING RANGE : 292 - 350 F VAPOR DENSITY : Is heavier than air
ODOR : SOLVENT ODOR THRESHOLD : ND
APPEARANCE : LIQUID EVAPORATION RATE: Is slower than 8ther
SOLUBILITY IN H2O : INSOLUBLE
FREEZE POINT : ND SPECIFIC GRAVITY: 1.1201
VAPOR PRESSURE : ND pH @ 0.0 % : ND
PHYSICAL STATE : LIQUID VISCOSITY : ND
COEFFICIENT OF WATER/OIL DISTRIBUTION: ND

(See Section 16 for abbreviation legend)

SECTION 10 - STABILITY AND REACTIVITY

CONDITIONS TO AVOID: Avoid temperatures above 120 degrees F.

INCOMPATIBILITY: Incompatible with strong oxidizing agents, strong acids and strong alkalies.

HAZARDOUS DECOMPOSITION PRODUCTS: Open flame burning will produce carbon monoxide, carbon dioxide, phenolics or nitrogen oxides.

HAZARDOUS POLYMERIZATION: Will not occur under normal conditions.

STABILITY: This product is stable under normal storage conditions.

SECTION 11 - TOXICOLOGICAL PROPERTIES

COMPONENT TOXICOLOGICAL INFORMATION:

---------  CHEMICAL NAME ---------  ------ LD50 -------  ------ LC50 -------
BISPHENOL A/EPICHLORHYDRIN EPOXY RES >5000 MG/KG RAT  No Information
TITANIUM DIOXIDE >24000MG/KG RAT OR >6820MG/M3 RAT 4HR

(Continued on Page 5)

SECTION 12 - ECOLOGICAL INFORMATION

ECOLOGICAL INFORMATION: Product is a mixture of listed components.
SECTION 13 - DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: Dispose of material in accordance to local, state and federal regulations and ordinances. Do not allow to enter storm drains or sewer systems.

SECTION 14 - TRANSPORTATION INFORMATION

DOT PROPER SHIPPING NAME:
DOT TECHNICAL NAME:
DOT HAZARD CLASS:
HAZARD SUBCLASS:
DOT UN/NA NUMBER:
PACKING GROUP:
RESP. GUIDE PAGE:

SECTION 15 - REGULATORY INFORMATION

U.S. FEDERAL REGULATIONS: AS FOLLOWS -

CERCLA - SARA HAZARD CATEGORY:
This product has been reviewed according to the EPA 'Hazard Categories' promulgated under Sections 311 and 312 of the Superfund Amendment and Reauthorization Act of 1986 (SARA Title III) and is considered, under applicable definitions, to meet the following categories:

CHRONIC HEALTH HAZARD

SARA SECTION 313:
This product contains the following substances 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:

-------------- CHEMICAL NAME -------------- CAS NUMBER WT/WT % IS LESS THAN

No SARA Section 313 components exist in this product above de minimis levels.

U.S. STATE REGULATIONS: AS FOLLOWS -

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NEW JERSEY RIGHT-TO-KNOW:
The following materials are non-hazardous, but are among the top five components in this product:

-------------- CHEMICAL NAME -------------- CAS NUMBER
BISPHENOL A/EPICHLOROHYDRIN RESIN 25068-38-6
GLYCIDYL ETHER 120547-52-6
EPOXY PIGMENT DISPERSION NOT AVAILABLE

PENNSYLVANIA RIGHT-TO-KNOW:
The following non-hazardous ingredients are present in the product at greater than 3%:

-------------- CHEMICAL NAME -------------- CAS NUMBER
BISPHENOL A/EPICHLOROHYDRIN RESIN 25068-38-6
GLYCIDYL ETHER 120547-52-6
EPOXY PIGMENT DISPERSION NOT AVAILABLE

CALIFORNIA PROPOSITION 65:
WARNING: The chemical(s) noted below and contained in this product, are known to the state of California to cause cancer, birth defects or other reproductive harm:

--------------- CHEMICAL NAME -------------- CAS NUMBER
EPICHLOROHYDRIN 106-89-8
PHENYL GLYCIDYL ETHER 122-60-1

INTERNATIONAL REGULATIONS: AS FOLLOWS -

CANADIAN WHMIS: This MSDS has been prepared in compliance with Controlled Product Regulations except for use of the 16 headings.

CANADIAN WHMIS CLASS: No information available.

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SECTION 16 - OTHER INFORMATION
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HMIS RATINGS - HEALTH: 2* FLAMMABILITY: 1 REACTIVITY: 0

PREVIOUS MSDS REVISION DATE: 09/23/98

LEGEND: N.A. - Not Applicable, N.E. - Not Established, N.D. - Not Determined

: No Information.

The information contained on this MSDS has been checked and should be accurate. However, it is the responsibility of the user to comply with all Federal, State, and Local laws and regulations.

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