

MATERIAL SAFETY DATA SHEET

COTRONICS EPOXY RESINS

DURALCO 4525 DURALCO 4535 DURALCO S5H13 DURALCO 4537 DURALCO 4538 DURALCO 4540

Manufactures Name: COTRONICS CORPORATION

131 47th Street Brooklyn, NY 11232

In the event of an emergency please call Chemtrec at 1-800-424-9300 (24hr)

SECTION 1: PRODUCT IDENTIFICATION

Chemical Name And Synonyms: N/A Mixture

Chemical Formula: N/A

Chemical Family: Proprietary Modified Epoxy Resin.*

SECTION 2: COMPOSITION INFORMATION

Material: Proprietary Modified Epoxy Resin

All materials contained within are listed on the TSCA Inventory list.

This product is compliant with the RoHS Directive.

SECTION 3: PHYSICAL PROPERTY INFORMATION

Boiling Point: > 400°F

Vapor Density (Air=1) : >1

Solubility In Water: Negligible

% Volatile (By Weight) : Negligible

Specific Gravity (Water=1): 1.7 - 2.1

Vapor Pressure (mm Hg) : N/A

Melting or Freezing Point: < 40°F

Evaporation Rate (Butyl Acetate=1) <1

Appearance/Odor: Amber Transparent, Grey or, Black Liquids/Slight Odor

SECTION 4: FIRE AND EXPLOSION HAZARD DATA

Flash Point: > 295°F

Auto Ignition Temp: N/A

Lower Explosion Limit (%) : N/A

Upper Explosion Limit (%) : N/A

Extinguishing Media: Foam, CO2, Dry

Chemical: Water Spray

SECTION 5: HEALTH HAZARD DATA

Effects of Overexposure:

Inhalation: Mist or vapor can irritate the nose and throat.

Eye Contact: Substantially irritating to eyes.

Skin Contact: Substance is moderately irritating and can cause superficial burns after prolonged contact. Not absorbed in toxic amounts

Ingestion: Possibly harmful if swallowed.

Delayed Effects: Prolonged or repeated exposure can cause allergic reaction.

SECTION 6: EMERGENCY AND FIRST AID PROCEDURES

Inhalation: Move subject to fresh air. Give artificial respiration if breathing has stopped.

Eye And Skin Contact: Flush eyes with a large amount of water for at least 15 minutes. Get prompt medical attention. Wash skin thoroughly with soap and water. Remove and wash clothing before reuse.

Ingestion: If swallowed dilute by giving 2 glasses of water to drink. See a physician. Never give anything by mouth to an unconscious person.

SECTION 7: REACTIVITY INFORMATION

Stability: Stable

Hazardous Polymerization: Will Not Occur

SECTION 8: SPILL OR LEAK PROCEDURES

Dike and absorb spill on inert material (sand, earth, etc.). Transfer diking material to containers for disposal. Wear protective clothing. Use breathing apparatus (MSHA/NIOSH approved, pressure-demand, self-contained) or air mask for large spills in confined area. Wash clothing before reuse. Destroy clothing that cannot be decontaminated (i.e. Shoes).

Waste Disposal Methods: Landfill or incinerate contaminated in accordance with local, state and federal regulations. Dispose of material in approved equipment.

SECTION 9: SPECIAL PROTECTION INFORMATION

Ventilation Type: Normal room ventilation.

Respiratory Protection: None required if good ventilation is maintained. Wear respirator (MSHA/NIOSH approved or equivalent) suitable for concentrations and types of air contaminants encountered.

Protective Gloves: Impervious.

Eye Protection: Chemical splash goggles (ANSI Z-871 or approved equivalent).

Other Protective Equipment: Eyewash facility.

SECTION 10: SPECIAL PRECAUTIONS

Store away from excessive heat (e.g., steam-pipes, radiators, from sources of ignition, and from reactive materials). Do not store near food or feed. Avoid all eye and skin contact.

Note To Physician: Allergic dermatitis or respiratory response in susceptible individuals may be delayed even weeks or months after frequent and/or prolonged contact. Acute effects can include mucosa damage, severe laryngeal edema, and shock associated with corrosive agents. Possible mucosa damage may contraindicate the use of gastric lavage. (This product is not approved by FDA for internal use).

DISCLAIMER: The information supplied is not to be taken as a warranty or representation for which Cotronics Corp. assumes legal responsibility. It is offered solely for your consideration, investigation and verification. all risk of use, singly or in combination with other products, whether or not in accordance with the instructions, directions, or suggestions is borne by the user.

DATE PREPARED: 11/01/85

DATE REVISED: 02/08/11

HIMS RATING Health = 2 Fire = 1 Reactivity = 0

HAZARD RATING: 0 = Insignificant 1 = Non-Toxic, Slight 2 = Moderate 3 = High 4 = Extreme

MATERIAL SAFETY DATA SHEET

COTRONICS EPOXY HARDENERS

DURALCO 4525 DURALCO 4535 DURALCO S5H13 DURALCO 4537 DURALCO 4538 DURALCO 4540

Manufactures Name: COTRONICS CORPORATION

131 47th Street

In the event of an emergency please call Chemtrec at 1-800-424-9300 (24hr)

SECTION ONE: PRODUCT IDENTIFICATION

Chemical Name And Synonyms: N/A Mixture*

Formula: N/A

Chemical Family: Proprietary Amine Complex

SECTION 2: PHYSICAL PROPERTY INFORMATION

Boiling Point: N/A
Vapor Density (Air=1) : >1
Solubility In Water: Negligible
% Volatile (By Weight) : Negligible
Melting Or Freezing Point: N/A
Vapor Pressure (mm Hg) : N/A
Specific Gravity (Water=1) : 0.93 - 1.30
Evaporation Rate (Butyl Acetate=1) : <1
Appearance/Odor: Transparent amber to opaque brown
liquid/Amine odor

All materials contained within are listed on the TSCA Inventory list.

This product is compliant with the RoHS Directive.

SECTION 3: FIRE AND EXPLOSION HAZARD DATA

Flash Point: >200°F
Auto Ignition Temp: N/A
Lower Explosion Limit (%) : N/A
Upper Explosion Limit (%) : N/A
Extinguishing Media: Foam, Co2, Dry
Chemical: Water Spray

SECTION 4: HEALTH HAZARD DATA

Effects of Overexposure:

Inhalation: Mist/Vapor can irritate the nose and throat.

Eye Contact: Substantially irritating to eyes.

Skin Contact: Substance is moderately irritating and can cause superficial burns after prolonged contact.

Ingestion: Possibly harmful if swallowed.

Delayed Effects: Prolonged or repeated exposure can cause allergic reaction.

DATE PREPARED: 11/01/85

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SECTION 5: EMERGENCY AND FIRST AID PROCEDURES

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Eye and Skin Contact: Flush eyes with a large amount of water for at least 15 minutes. Get prompt medical attention. Wash skin thoroughly with soap and water. Remove and wash clothing before reuse.

Ingestion: If swallowed dilute by giving 2 glasses of water to drink. See a physician. Never give anything by mouth to an unconscious person.

SECTION 6: REACTIVITY INFORMATION

Stability: Stable

Hazardous Polymerization: Will not occur

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Eye Protection: Chemical splash goggles (ANSI Z-871 or approved equivalent).

Other Protective Equipment: Eyewash facility.

SECTION 9: SPECIAL PRECAUTIONS

Store away from excessive heat (e.g., steam-pipes, radiators) sources of ignition, and from reactive materials). Do not store near food or feed. Avoid all eye and skin contact.

Misc Info: The use of this and auxiliary materials should be confined to designated work areas. Emptied containers may still contain hazardous residues.

Note To Physician: Allergic dermatitis or respiratory response in susceptible individuals may be delayed even weeks or months after frequent and/or prolonged contact. Acute effects can include mucosa damage, severe laryngeal edema, and shock associated with corrosive agents. Possible mucosa damage may contraindicate the use of gastric lavage.

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