

# PROPRIETARY MATERIAL SAFETY DATA SHEET

## COTRONICS EPOXY RESIN DURALCO 132 IP, DURALCO 132P IP

### 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 ONE PRODUCT IDENTIFICATION

**Chemical Name and Synonyms:** N/A Mixture

**Chemical Formula:** N/A

**Chemical Family:** Proprietary, Modified, Novolac Resin

### SECTION TWO: HAZARDOUS INGREDIENTS

Materials	Weight %	CAS #
Novolac Resin Blend	20-35%	
Modified Proprietary Epoxy Resin	1-5%	
Aluminum Powder	50-70%	7429-900-5

*\*Non Hazardous Materials will not be listed separately*

*\*This product is compliant with the RoHS Directive.*

*\*Please note all materials contained are listed on the EPA TOSCA Inventory list.*

### SECTION THREE: PHYSICAL PROPERTY INFORMATION

<b>Boiling Point:</b>	N/A
<b>Vapor Density (Air=1) :</b>	>1
<b>Solubility In Water:</b>	Negligible
<b>% Volatile (By Weight) :</b>	Negligible
<b>Specific Gravity (Water=1) :</b>	1.7-1.8
<b>Vapor Pressure (mm Hg Water =1) :</b>	N/A
<b>Melting or Freezing Point:</b>	N/A
<b>Evaporation Rate (Butyl Acetate=1):</b>	<1
<b>Appearance/Odor:</b>	Viscous Grey Liquid/Slight Odor

### SECTION 3: FIRE AND EXPLOSION HAZARD DATA

<b>Flash Point:</b>	>295°F
<b>Auto Ignition Temp:</b>	N/A
<b>Lower Explosion Limit (%) :</b>	N/A
<b>Upper Explosion Limit (%) :</b>	N/A
<b>Extinguishing Media:</b>	Foam, CO <sub>2</sub> , Dry Chemical, Water Spray

### SECTION 4: 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. LD > 4000 mg/Kg.

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

### SECTION 5: 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 6: REACTIVITY INFORMATION

**Stability:** Stable

**Hazardous Polymerization:** Will Not Occur

### SECTION 7: 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:** Incinerate liquid in approved equipment. Landfill or incinerate contaminated diking material in accordance with local, state and federal regulations.

### SECTION 8: 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 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.

**Note To Physician:** Ingestion can cause mucosal irritation and laryngeal edema. 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: 2/21/2011

HIMS RATING Health = 1 Fire = 0 Reactivity = 0

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

# PROPRIETARY MATERIAL SAFETY DATA SHEET

## COTRONICS EPOXY HARDENER DURALCO 132 IP, DURALCO 132P IP

### Manufactures Name: COTRONICS CORPORATION

131 47th Street, Brooklyn, New York 11232

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

### SECTION ONE: PRODUCT INFORMATION

**Chemical Name and Synonyms:** N/A Mixture  
**Formula:** N/A  
**Chemical Family:** Modified Cycloaliphatic and aliphatic amines

Components	Concentration	ACGIH/TWA	REL/NIOSH
Modified Aliphatic Amine	15-25 %	1 ppm	4mg/m <sup>3</sup>
Modified Cycloaliphatic Amine	60-80 %	None	Established
Proprietary Mixture			

\*This product is compliant with the RoHS Directive.

\*Note all materials contained are listed on the EPA TSCA Inventory list.

\*Note Non-Hazardous Materials will not be listed separately.

### 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) :** 0.96 - 0.98  
**Evaporation Rate (Butyl Acetate=1) :** <1  
**Appearance/Odor:** Opaque amber liquid/Amine odor

### SECTION 3: FIRE AND EXPLOSION HAZARD DATA

**Flash Point:** 182°F  
**Auto Ignition Temp:** N/A  
**Lower Explosion Limit (%) :** N/A  
**Upper Explosion Limit (%) :** N/A  
**Extinguishing Media:** Alcohol resistant foam, CO<sub>2</sub>, Dry Chemical Water Spray.  
In the event of a fire could release gasses such as carbon monoxide and oxides of nitrogen. May generate ammonia gas.

### SECTION 4: HEALTH HAZARD DATA

#### Effects of Overexposure:

**Inhalation:** Mist or Vapor can irritate the nose and throat.

**Eye Contact:** Substantially irritating to eyes on direct contact.

**Skin Contact:** Substance is moderately irritating. Prolonged contact can cause superficial burns and development of allergic sensitivity. LD<sub>50</sub> = 2100 Mg/Kg Rabbit

**Ingestion:** Possibly harmful if swallowed. LD<sub>50</sub> = > 625 Mg/Kg Rat

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

\*This product does not contain listed carcinogens according to IARC, ACGIH, NTP and/or OSHA in concentrations of 0.1% or greater.

### SECTION 5: 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. Remove contaminated clothing and wash before reuse. Wash skin thoroughly with soap and water. Physicians application of corticosteroid cream has been effective in treating skin irritation.

**Ingestion:** If swallowed dilute by giving 2 glasses of water to drink. See a physician. Never give anything by mouth to an unconscious person. Do not induce vomiting without medical advice.

### SECTION 6: REACTIVITY INFORMATION

**Stability:** Stable under normal conditions.

**Materials to Avoid:** Organic and mineral acids, Oxidizing agents, Peroxides, Sodium hypochlorite.

**Hazardous Decomposition Products:** Nitric acid, Ammonia, CO, CO<sub>2</sub>, NO<sub>x</sub>,

### SECTION 7: SPILL OR LEAK PROCEDURES

Dike and absorb spill on inert material (sand, earth, etc.). Transfer diking material to suitable 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:** Incinerate liquid / contaminated materials in approved equipment. Landfill or incinerate contaminated diking material in accordance with local, state and federal regulations.

### SECTION 8: SPECIAL PROTECTION INFORMATION

**Ventilation Type:** Normal room ventilation is acceptable. Use local exhaust if exposure levels are expected to be excessive or if sensitivity exists.

**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 Measures:** Access to eyewash facilities, wear long sleeve shirts and long pants.

### 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 residues.

**Note To Physician:** Allergic dermatitis or respiratory response in susceptible individuals may be delayed weeks after frequent and/or prolonged contact. Ingestion can cause mucosa damage, laryngeal edema and shock. Mucosa damage may contraindicate the use of gastric lavage.

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