

4917 Dawn Avenue  
East Lansing, MI 48823-5691

8am to 4:30pm Phone: (517) 351-5900  
24-Hour Health/Environmental Emergency Phone: 1-888-354-3323

**Effective Date:** 11/29/00

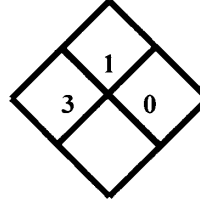
**Material Safety Data Sheet**

MSDS No: 5711

**1. PRODUCT IDENTIFICATION**

**Trade Name:** Aravite CW 8731

**Chemical Family:** Epoxy/Acrylic Mixture



NFPA RATING

Health	3
Flammability	1
Reactivity	0
Protective Equipment	

HMIS RATING

**Intended Use or Product Type:** Epoxy And Acrylic Mixture.

**2. COMPOSITION / INFORMATION ON INGREDIENTS**

O S H A	CAS No.	CHEMICAL IDENTITY	EXPOSURE LIMITS				CARCINOGEN STATUS			
			ACGIH		OSHA		MFR.	IARC	NTP	OSHA
			TWA	STEL	PEL	STEL				
*	24650-42-8	Ethanone, 2,2-dimethoxy-1,2-diphenyl-Dimethoxy phenylacetophenone Common Name:	NE	NE	NE	NE	NE	NR	NR	NR
*	25068-38-6	Phenol, 4,4'-(1-methylethylidene)bis-, polymer with (chloromethyl)oxirane Bisphenol A Diglycidyl Ether Polymer Common Name:	NE	NE	NE	NE	NE	NR	NR	NR
	868-77-9	2- Propenoic acid, 2-methyl-, 2-hydroxyethyl ester Hydroxyethyl methacrylate Common Name:	NE	NE	NE	NE	NE	NR	NR	NR
	Confidential	Urethane Acrylate Oligomer	NE	NE	NE	NE	NE	NR	NR	NR

NE = Not Established NR = Not Reviewed \* = OSHA Hazardous Ingredient

**3. HAZARDS IDENTIFICATION**

**Emergency Overview:** Corrosive - Causes eye burns. Causes severe skin irritation. May cause skin burns. Causes respiratory irritation. May cause allergic skin reaction.

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**Primary Route(s) of Entry:** Dermal; heated product may produce inhalable vapors.

#### **4. FIRST AID MEASURES**

**Ingestion:** If conscious, give 2 - 4 glasses of water to drink. Do not induce vomiting. Call a physician.

**Skin:** Immediately wash with soap and water. Remove contaminated clothing and laundry before reuse. Destroy contaminated shoes.

**Inhalation:** Remove to fresh air. Call a physician.

**Eyes:** Immediately flush eyes with water for at least 15 minutes. Call a physician.

**Overexposure Effects:** Corrosive - causes eye burns. Causes severe skin irritation. May cause skin burns. Causes respiratory irritation. May cause allergic skin reaction.

**Medical Conditions Aggravated by Exposure:** Skin and eye conditions.

**Additional Information:** Referral to a physician is recommended if there is any question about the seriousness of any injury.

#### **5. FIRE FIGHTING MEASURES**

<b>Flash Point:</b>	> 200°F (> 93 °C)
<b>Flash Point Method Used:</b>	Estimated
<b>Flammable Limits in Air (Lower - % by volume):</b>	Not established
<b>Flammable Limits in Air (Upper - % by volume):</b>	Not established

**Fire Fighting Extinguishing Media:** Carbon dioxide, dry chemical, foam, water.

**Fire Fighting Equipment:** Use self-contained breathing apparatus.

**Fire and Explosion Hazards:** Decomposition and combustion products may be toxic.

#### **6. ACCIDENTAL RELEASE MEASURES**

**Accidental Release Measures:** Remove spillage by absorbing in absorbent material.

#### **7. HANDLING AND STORAGE**

**Signal Word:** Danger!

**Precautions:** Corrosive - causes eye burns. Causes severe skin irritation and may cause skin burns. Causes irritation if inhaled and can cause allergic skin reaction. Do not get in eyes, on skin, or on clothing. Avoid breathing vapor or mist. Keep container closed when not in use. Use with adequate ventilation. Wash thoroughly after handling. Notice! Possible reproductive health hazard. Overexposure may cause reproductive disorders and have effects on kidney, liver, and nervous system.

**Other Handling Information:** Nuisance dust may be generated when sanding or sawing cured material.

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**8. EXPOSURE CONTROLS / PERSONAL PROTECTION****Skin Protection:** Wear impermeable gloves.**Respiratory Protection:** Use NIOSH approved organic vapor cartridge respirator when vapor/mist exposure is likely.**Eye Protection:** Wear splash-proof chemical goggles.**Engineering Controls:** General mechanical and local exhaust in accordance with ACGIH recommendations.**9. PHYSICAL AND CHEMICAL PROPERTIES**

<b>Color:</b>	Black
<b>Physical State:</b>	Thick liquid
<b>Solubility in Water:</b>	Not Available
<b>Vapor Pressure:</b>	Not Available
<b>Specific Gravity:</b>	1.18 (water = 1)
<b>Boiling Point:</b>	Not Available
<b>Decomposition Temperature:</b>	Not Available
<b>Evaporation Rate:</b>	Not Available
<b>Vapor Density:</b>	Not Determined
<b>VOC:</b>	1174 g/L
<b>pH:</b>	Not Determined

**Percent Volatile:** Negligible.**10. STABILITY AND REACTIVITY****Conditions to Avoid:** Excessive heat for prolonged periods of time.**Stability:** Stable.**Incompatibility:** Strong oxidizers, acids and bases.**Hazardous Decomposition Products:** Combustion may form toxic materials, such as carbon dioxide, carbon monoxide.**Hazardous Polymerization:** Will not occur.**11. TOXICOLOGICAL INFORMATION****Sensitization:** Possible in susceptible individuals.**Skin Irritation:** Severe skin irritant.**Eye Irritation:** Corrosive. Causes burns.**12. ECOLOGICAL INFORMATION**

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### 13. DISPOSAL CONSIDERATIONS

**Waste Disposal Method:** Consult qualified local or corporate personnel for method that will comply with local, state and federal health and environmental regulations.

### 14. TRANSPORT INFORMATION

**DOT: Non-Bulk**

**Proper Shipping Name:** Resin compounds, N.O.I.

**Department of Transportation:** Not regulated as a hazardous material by the U.S. Dept. of Transportation (DOT) 49 CFR 172.101 hazardous materials table.

### 15. REGULATORY INFORMATION

#### US Federal Regulations:

**Occupational Safety and Health Act (OSHA):** This Material Safety Data Sheet (MSDS) has been prepared in compliance with the federal OSHA Hazard Communication Standard 29 CFR 1910.1200. This product is considered to be a hazardous chemical under that standard.

**Resource Conservation and Recovery Act (RCRA):** Not a hazardous waste under RCRA (40 CFR 261).

**SARA Title III: Section 313 Toxic Chemical List (TCL):** This product does not contain any chemicals for routine annual toxic chemical release reporting under Section 313 (40 CFR 372).

**TSCA Section 8(b) - Inventory Status:** Chemical components listed on TSCA Inventory.

**TSCA Section 12(b) - Export Notification:** This product contains the following chemical(s) that are subject to a Section 12(b) export notification:

Chemical Name: Oxirane, 2,2'-[(1-methylethylidene)bis(4,1-phenyleneoxymethylene)]bis-

Common Name: Diglycidyl Ether of Bisphenol A

CAS Number: 1675-54-3

#### State Regulations:

**California Proposition 65:** The following is required composition information. This product contains the following chemical(s) which are currently listed on the California list of Known Carcinogens and Reproductive Toxins:

Chemical Name: Quartz (SiO<sub>2</sub>)

Common Name: Crystalline Silica

CAS Number: 14808-60-7

Percent in Composition: 0.0035 % by wt

Comment: Warning! This chemical is known to the State of California to cause cancer.

Chemical Name: Oxirane

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Common Name: Ethylene Oxide

CAS Number: 75-21-8

Percent in Composition: 0.0001 % by wt

Comment: Warning! This chemical is known to the State of California to cause cancer and birth defects or other reproductive harm.

**Pennsylvania Right-to-Know:** The following is required composition information:

Chemical Name: Phenol, 4,4'-(1-methylethylidene)bis-, polymer with (chloromethyl)oxirane

Common Name: Bisphenol A Diglycidyl Ether Polymer

CAS Number: 25068-38-6

Comment: Not on Pennsylvania Hazardous Substance List

Chemical Name: Urethane Acrylate Oligomer

CAS Number: Confidential

Comment: Not on Pennsylvania Hazardous Substance List

Chemical Name: 2- Propenoic acid, 2-methyl-, 2-hydroxyethyl ester

Common Name: Hydroxyethyl methacrylate

CAS Number: 868-77-9

Comment: Not on Pennsylvania Hazardous Substance List

## 16. OTHER INFORMATION

MSDS No:

5711

Approved By:

Kenneth L. Payne

Title:

E,H&S Manager

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