

24-Hour Emergency Phone: (800) 328-8501

Effective Date: 7/11/07

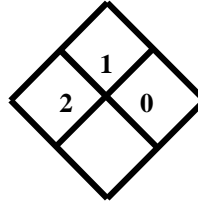
## Material Safety Data Sheet

MSDS No: 33761

**1. PRODUCT IDENTIFICATION**

Trade Name: Araldite 2010-1 Resin

Chemical Family: Epoxy



NFPA RATING

Health:	2
Flammability:	1
Reactivity:	0
Personal Protection:	

HMIS RATING

Intended Use or Product Type: Rapid multi-purpose adhesive

**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				
*	25068-38-6	Phenol, 4,4'-(1-methylethylidene)bis-, polymer with (chloromethyl)oxirane Bisphenol A diglycidyl ether polymer 60.00 - 100.00 % by wt Common Name: Concentration	NE	NE	NE	NE	NE	NR	NR	NR
*	25085-99-8	Oxirane, 2,2'[(1-methylethylidene)bis(4,1-phenyleneoxymethylene)]bis-, homopolymer Reaction product of epichlorohydrin and bisphenol A 1.00 - 5.00 % by wt Common Name: Concentration	NE	NE	NE	NE	NE	NR	NR	NR
*	39817-09-9	Oxirane, 2,2'-[methylenebis(phenyleneoxymethylene)]bis- Bisphenol F Diglycidyl Ether 1.00 - 5.00 % by wt Common Name: Concentration	NE	NE	NE	NE	NE	NR	NR	NR
*	61788-32-7	Terphenyl, hydrogenated Plasticizer 1.00 - 5.00 % by wt Common Name: Concentration	0.5 ppm	NE	0.5 ppm	NE	NE	NR	NR	NR
*	67924-34-9	Phenol, 4-(1,1-dimethylethyl)-, polymer with (chloromethyl)oxirane and 4,4'-(1-methylethylidene)bis[phenol] Bisphenol A epoxy resin Common	NE	NE	NE	NE	NE	NR	NR	NR

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	Name: Concentration	5.00 - 10.00 % by wt								
*	68610-41-3	2-Propenenitrile, polymer with 1,3-butadiene, carboxy-terminated, polymers with bisphenol A and epichlorohydrin DGEBA/CTBN adduct	NE	NE	NE	NE	NE	NR	NR	NR
	Common Name: Concentration	1.00 - 5.00 % by wt								

\* = OSHA Hazardous Ingredient

**3. HAZARDS IDENTIFICATION**

**Emergency Overview:** Causes skin and eye irritation. May cause allergic skin reaction.

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

**4. FIRST AID MEASURES**

**Ingestion:** Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Seek immediate medical attention.

**Skin:** Immediately wash with soap and water. Remove contaminated clothing and launder before reuse. Destroy contaminated shoes. Seek immediate medical attention.

**Inhalation:** Remove to fresh air. Seek immediate medical attention.

**Eyes:** Immediately flush eyes with water for at least 15 minutes. Seek immediate medical attention.

**Overexposure Effects:** Causes skin and eye 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**

**Flash Point:** > 300°F (> 149 °C)  
**Flash Point Method Used:** PMCC  
**Flammable Limits in Air (Lower - % by volume):** Not established  
**Flammable Limits in Air (Upper - % by volume):** 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.

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## **6. ACCIDENTAL RELEASE MEASURES**

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

## **7. HANDLING AND STORAGE**

**Signal Word:** Warning!

**Precautions:** Can cause skin irritation, eye irritation, and allergic skin reaction. Avoid contact with eyes, skin, and clothing. Wash thoroughly after handling.

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

## **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>	Creamy
<b>Odor:</b>	Isocyanate
<b>Physical State:</b>	Viscous Liquid
<b>Solubility in Water:</b>	Insoluble
<b>Vapor Pressure:</b>	Not Determined
<b>Specific Gravity:</b>	1.17 (water = 1)
<b>Boiling Point:</b>	Not Determined
<b>Melting Point:</b>	Not Determined
<b>Evaporation Rate:</b>	Not Determined
<b>Density:</b>	Not Determined
<b>Vapor Density:</b>	Not Determined
<b>pH:</b>	Not Determined
<b>Coefficient of water/oil:</b>	Not Evaluated

**Percent Volatile:** Not determined.

## **10. STABILITY AND REACTIVITY**

**Conditions to Avoid:** Excessive heat for prolonged periods of time.

**Stability:** Stable.

**Incompatibility:** Strong oxidizers, acids and bases.

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**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:** Irritant.

**Eye Irritation:** Irritant.

## **12. ECOLOGICAL INFORMATION**

## **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: Not Regulated

**IATA: Non-Bulk**

Proper Shipping Name: Not Regulated

**IMDG: Non-Bulk**

Proper Shipping Name: Not Regulated

**TDG: Non-Bulk**

Proper Shipping Name: Not Regulated

## **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:** All chemical components of this product are in compliance with TSCA inventory requirements.

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**TSCA Section 12(b) - Export Notification:** This product does not contain any chemical(s) that are subject to a Section 12(b) export notification.

### **International Regulations:**

**Canadian Inventory Status:** All components in this product are included on the Domestic Substances List (DSL) or the Non-Domestic Substances List (NDSL).

**Canadian WHMIS:** This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations. D2B

### **State Regulations:**

**California Proposition 65:** This product does not contain any chemicals currently on the California list of Known Carcinogens and Reproductive Toxins.

**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: Phenol, 4-(1,1-dimethylethyl)-, polymer with (chloromethyl)oxirane and 4,4'-(1-methylethylidene)bis[phenol]

Common Name: Bisphenol A epoxy resin

CAS Number: 67924-34-9

Comment: Not on Pennsylvania Hazardous Substance List

Chemical Name: Oxirane, 2,2'-[methylenebis(phenyleneoxymethylene)]bis-

Common Name: Bisphenol F Diglycidyl Ether

CAS Number: 39817-09-9

Comment: Not on Pennsylvania Hazardous Substance List

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

Common Name: Reaction product of epichlorohydrin and bisphenol A

CAS Number: 25085-99-8

Comment: Not on Pennsylvania Hazardous Substance List

Chemical Name: Terphenyl, hydrogenated

Common Name: Plasticizer

CAS Number: 61788-32-7

Comment: Hazardous Substance

Chemical Name: Silica

Common Name: Fumed Silica

CAS Number: 7631-86-9

Comment: Hazardous Substance

Chemical Name: Terphenyl

CAS Number: 26140-60-3

Comment: Special Hazardous Substance

## **16. OTHER INFORMATION**

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**MSDS No:** 33761  
**Approved By:** Dianne Blessing  
**Title:** EHS Specialist

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