

Material Safety Data Sheet

(10910)

Section 1: Chemical Product and Company Identification

Product Name: Araldite GY 506
Catalog Number: 2426-08-6, 25068-38-6
CAS#: see Section 3

Contact Information:
Electron Microscopy Sciences
 1560 Industry Road
 Hatfield, PA 19440
 1-215-412-8400 (phone)
 1-800-523-5874 (toll-free)
 1-215-412-8450 (fax)
Order Online: emsdiasum.com

CHEMTREC (24-Hour Emergency Telephone), call: 1-800-424-9300

Section 2: Composition and Information on Ingredients

OSHA	CAS #	Chemical Identity	Exposure Limits				Carcinogen Status			
			ACGIH		OSHA		MFR	IARC	NTP	OSHA
			TWA	STEL	PEL	STEL				
*	2426-08-6	Oxirane, (butoxymethyl) Common Name: Butyl Glycidyl Ether	25 ppm	NE	50 ppm	NE	NE	NR	NR	NR
*	25068-38-6	Phenol, 4,4 (1-methylethylidene) bis-, polymer with (chloromethyl) oxirane Common Name: Risphenol A Diglycidyl Ether Polymer	NE	NE	NE	NE	NE	NR	NR	NR

NE: Not Established

NR: Not Reviewed

*: OSHA Hazardous Ingredient

Section 3: Hazards Identification

Emergency Overview: Warning! Combustible liquid. Sensitizer – can cause allergic skin reaction. Skin, eye, and respiratory irritant. Can cause central nervous system effects.

Primary Route(s) of Entry: Dermal, inhalation.

Section 4: First Aid Measures

Ingestion: If swallowed, give at least 3-4 glasses of water but do not induce vomiting. If vomiting occurs, give water again. Do not give anything by mouth to an unconscious person. Get medical attention. Have physician determine whether vomiting or stomach evacuation is necessary.

Skin: For skin contact, wash with large amounts of running water, and soap, if available, for 15 minutes. Remove contaminated clothing and shoes. Get immediate medical attention. Discard or decontaminate clothing before re use and

destroy contaminated shoes.

Inhalation: If inhaled, remove from area to fresh air. Get medical attention if respiratory irritation develops or if breathing becomes difficult.

Eyes: For eye contact, immediately flush eyes for at least 15 minutes with running water. Hold eyelids apart to ensure rinsing of the entire eye surface and lids with water. Get immediate medical attention.

Overexposure Effects: Overexposure to this product can cause skin, eye and respiratory irritation. Can cause sensitization and allergic skin reactions. In humans, inhalation from spill may cause central nervous system effects and gastrointestinal tract irritation.

Medical Conditions Aggravated by Exposure: Allergy, eczema or skin conditions.

Additional Information: Promptly remove wet contaminated non-impervious clothing. Wash before reuse.

Section 5: Fire and Explosion Data

Flash Point (Method Used): 173°F (78°C)

Flash Point Method Used: Closed Cup

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

Fire Fighting Equipment: Use self-contained breathing apparatus.

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

Section 6: Accidental Release Measures

Accidental Release Measures: Absorb onto sand or other absorbent material. Shovel into closable container for disposal. Wear protective equipment specified below. Flush contaminated area with water.

Section 7 : Handling and Storage

Precautions: Keep away from heat, sparks and open flame. Avoid contact with eyes, skin and clothing. Avoid breathing vapor, mist or spray. Use only with good ventilation. Individuals should wash thoroughly after handling. Store in closed containers in cool well-ventilated area. Ground and bond metal containers for liquid transfer to avoid static sparks. For industrial use only.

Section 8: Exposure Controls/Personal Protection

Personal Protective Equipment: Wear protective equipment to prevent exposure and personal contact.

Skin Protection: Wear impervious gloves.

Respiratory Protection: Use NIOSH approved respirator suitable for organic vapors, if required.

Eye Protection: Wear splash-proof chemical goggles.

Engineering Controls: Good general mechanical ventilation and local exhaust

Section 9: Physical and Chemical Properties

Color: Clear
Physical State: Liquid
Solubility in Water: Insoluble
Specific Gravity: 1.13 at 25°C (77°F) (H₂O 1)
Percent Volatile: Nil.

Section 10: Stability and Reactivity Data

Conditions to Avoid: Avoid strong acids or bases in bulk and elevated temperatures.
Stability: Stable
Incompatibility: Strong oxidizing agents, strong alkalis, strong acids.
Hazardous Decomposition Products: Carbon Monoxide, Carbon Dioxide, Aldehydes
Hazardous Polymerization: May not occur

Section 11: Toxicological Information

Acute Oral Effects (LD₅₀): (Rat) Ranges from 2000 to greater than 5000 mg/kg (components)
Acute Dermal Toxicity (LD₅₀): (Rabbit) Greater than 2000 mg/kg (components)
Inhalation Toxicity (LC₅₀): (Mouse) Greater than 3500 ppm (4 hr) (component)
Sensitization: (Human) Sensitizer (components)
Skin Irritation: (Rabbit) Irritant (component)
Eye Irritation: (Rabbit) Moderate irritation (component)

Section 12: Ecological Information

Additional Information: No ecological information available.

Section 13: Disposal Considerations

Waste Disposal Method: Dispose in accordance with local, state and federal regulations.

Section 14: Transport Information

Department of Transportation: Combustible liquid (not applicable in containers having a rated capacity of 119 gallons or less).

Section 15: Other Regulatory Information

OSHA Status: 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.

TSCA Inventory Status: Chemical components listed on TSCA Inventory.

TSCA 12(b) Export Notification: This product contains chemical(s) which is (are) regulated by TSCA 12(b) Regulation and it is required that proper export notification shall be sent to EPA prior to shipping out of the United States of America.

CAS Number: 1675-54-3

Chemical Name: Bisphenol A Diglycidyl Ether

SARA Title III: Section 313 Toxic Chemical(s): This product does not contain a toxic chemical for routine annual "Toxic Chemical Release Reporting" under Sec. 313 (40 CFR 372)

RCRA: Not a hazardous waste under RCRA (40 CFR 261)

CERCLA: Not listed

Canadian Inventory Status (CEPA): All components included on the Domestic Substances List (DSL)

California Proposition 65: Warning! This product contains a chemical known to the State of California to cause cancer and birth defects or other reproductive harm.

Chemical Name: Epichlorohydrin

Concentration: 500 ppm Maximum

New Jersey Right-to-Know: The following is required composition information.

CAS Number: 25068-38-6

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

CAS Number: 2426-08-6

Chemical Name: Oxirane (butoxymethyl)

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

CAS Number: 25068-38-6

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

Common Name: Bisphenol A Epoxy Resin

Comment: Not on Pennsylvania Hazardous Substance List

CAS Number: 2426-08-6

Chemical Name: Oxirane (butoxymethyl)

Comment: Hazardous Substance

CAS Number: 106-89-8

Chemical Name: Oxirane (chloromethyl)

Common Name: Epichlorohydrin

Comment: Environmental and Special Hazard

Section 16: Other Information:

Last Updated: 11/17/11

Date Verified and Printed: 11/17/11

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