

Material Safety Data Sheet

(13920)

Section 1: Chemical Product and Company Identification

Product Name: Araldite GY 6005

Catalog Number: 13920

CAS#: 25068-38-6, 3101-60-8

Contact Information:

Electron Microscopy Sciences

1560 Industry Road

Hatfield, PA 19440

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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				
*	3101-60-8	Oxirane, [4-(1,1 dimethylethyl) phenoxy] methyl] p-tert Butyl Phenyl 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 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! Sensitizer – can cause allergic skin reaction.

Primary Route(s) of Entry: Dermal

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 or convulsing person.

Skin: For skin contact, wash affected areas with large amounts of running water, and soap, if available, for several minutes. Remove and clean contaminated clothing and shoes before reuse. Get immediate medical attention if irritation occurs.

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, flush eyes for at least several minutes. Get immediate medical attention if irritation occurs.

Overexposure Effects: Overexposure to this material can cause sensitization and allergic skin reaction. May cause skin 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): 190°F (199°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: 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 dry area in closed containers. For industrial use only.

Section 8: Exposure Controls/Personal Protection

Personal Protective Equipment: Wear protective equipment to prevent eye or skin contact. Use of barrier cream recommended.

Skin Protection: Wear impervious gloves.

Respiratory Protection: Organic chemical cartridge respirator, 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
Odor: Slight
Physical State: Liquid
Solubility in Water: Insoluble
Specific Gravity: 9.6 at 9.8 lb/gal at 25°C (77°F)
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.
Hazardous Decomposition Products: Carbon Monoxide, Carbon Dioxide, Aldehydes
Hazardous Polymerization: May not occur

Section 11: Toxicological Information

Acute Oral Effects (LD50): (Rat) Greater than 5000 mg/kg
Acute Dermal Toxicity (LD50): (Rabbit) Greater than 6000 mg/kg
Inhalation Toxicity (LC50): (Rat) Greater than 3466 mg/m³ (component)
Sensitization: (Guinea Pig) Skin Sensitizer
Skin Irritation: (Rabbit) Mild irritation
Eye Irritation: (Rabbit) Not an irritant

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: Not regulated

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)

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: 3101-60-8

Chemical Name: Oxirane, [[4-1,1-dimethylethyl]phenoxy]methyl]

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: 3101-60-8

Chemical Name: Oxirane, [[4-1,1-dimethylethyl]phenoxy]methyl]

Common Name: p-tert Butyl Phenyl Glycidyl Ether

Comment: Not on Pennsylvania Hazardous Substance List

Section 16: Other Information:

Last Updated: 11/17/11

Date Verified and Printed: 11/17/11

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