

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

Effective Date: 7/11/07

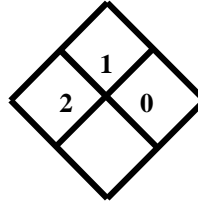
Material Safety Data Sheet

MSDS No: 33807

1. PRODUCT IDENTIFICATION

Trade Name: Araldite 2010-1 Hardener

Chemical Family: Mercaptan



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				
*	10563-29-8	1,3-Propanediamine, N'-(3-aminopropyl)-N,N-dimethyl-Dimethylene Propylene Triamine Common Name: Concentration 1.00 - 5.00 % by wt	NE	NE	NE	NE	NE	NR	NR	NR
*	61788-32-7	Terphenyl, hydrogenated Plasticizer Common Name: Concentration 5.00 - 10.00 % by wt	0.5 ppm	NE	0.5 ppm	NE	NE	NR	NR	NR
*	90-72-2	Phenol, 2,4,6-tris[(dimethylamino)methyl]- Common Name: Concentration 2,4,6-tris(Dimethylaminomethyl)phenol 5.00 - 10.00 % by wt	NE	NE	NE	NE	TLV 5 ppm	NR	NR	NR
*	118440-44-1	Polymer of epoxy phenolic novolac, epoxy resin, and triethylene glycol dimercaptan Aliphatic mercaptan epoxy resin polymer Common Name: Concentration 60.00 - 100.00 % by wt	NE	NE	NE	NE	NE	NR	NR	NR
	14970-87-7	Ethanethiol, 2,2'-[1,2-Ethanediy]bis(oxy)]bis-Mercaptan Common Name: Concentration 5.00 - 10.00 % by wt	NE	NE	NE	NE	NE	NR	NR	NR

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

3. HAZARDS IDENTIFICATION

Emergency Overview: May cause allergic skin reaction.

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 launder 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: 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: 212°F (100 °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.

6. ACCIDENTAL RELEASE MEASURES

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

7. HANDLING AND STORAGE

Signal Word: Warning!

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Precautions: Can cause 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

Color:	Pale Yellow
Odor:	Mercaptan
Physical State:	Thixotropic Paste
Solubility in Water:	Slight
Vapor Pressure:	Not Determined
Specific Gravity:	1.14 (water = 1)
Boiling Point:	Not Determined
Melting Point:	Not Determined
Evaporation Rate:	Not Determined
Density:	Not Determined
Vapor Density:	Not Determined
pH:	Not Determined
Coefficient of water/oil:	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.

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.

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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.

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: This product contains a component that is not included on the Domestic Substances List (DSL) or the Non-Domestic Substances List.

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

European Inventory Status (EINECS): This product contains only chemicals that are currently listed on the European Inventory of Existing Commercial Chemical Substances (EINECS).

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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: Polymer of epoxy phenolic novolac, epoxy resin, and triethylene glycol dimercaptan
Common Name: Aliphatic mercaptan epoxy resin polymer
CAS Number: 118440-44-1
Comment: Not on Pennsylvania Hazardous Substance List

Chemical Name: Terphenyl, hydrogenated
Common Name: Plasticizer
CAS Number: 61788-32-7
Comment: Hazardous Substance

Chemical Name: Phenol, 2,4,6-tris[(dimethylamino)methyl]-
Common Name: 2,4,6-tris(Dimethylaminomethyl)phenol
CAS Number: 90-72-2
Comment: Not on Pennsylvania Hazardous Substance List

Chemical Name: Ethanethiol, 2,2'-[1,2-Ethanediy]bis(oxy)]bis-
Common Name: Mercaptan
CAS Number: 14970-87-7
Comment: Not on Pennsylvania Hazardous Substance List

Chemical Name: Silica
Common Name: Fumed Silica
CAS Number: 7631-86-9
Comment: Hazardous Substance

16. OTHER INFORMATION

MSDS No: 33807
Approved By: Dianne Blessing
Title: EHS Specialist

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