

EMS CATALOG NO: 10930
EMS PRODUCT: Araldite 507
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MATERIAL SAFETY DATA SHEET

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FOR PRODUCT AND SALES INFORMATION

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PRODUCT IDENTIFICATION

IDENTITY (TRADE NAME): **Araldite GY 507**
FAMILY/CHEMICAL NAME: Epoxide
PRODUCT TYPE: Modified liquid epoxy resin.

HAZARDOUS INGREDIENTS

SPECIFIC CHEMICAL NAME: O-Cresyl Glycidyl Ether
CAS #: 26447-14-3

COMMON NAME: Not Available

EXPOSURE LIMITS: OSHA PEL: Not established

CARCINOGENICITY: This chemical is not considered to be Carcinogenic by NTP, IARC, OR OSHA.

SPECIFIC CHEMICAL NAME: Phenol,4,4'-(1-Methylethylidene)Bis-, Polymer with (Chloromethyl)Oxirane.
CAS#: 25068-38-6

COMMON NAME: Bisphenol A Diglycidyl Ether Polymer

EXPOSURE LIMITS: OSHA PEL: Not established
ACGIH TLV: Not established

CARCINOGENICITY: This chemical is not considered to be carcinogenic by NTP, IARC, OR OSHA.

PHYSICAL DATA

APPEARANCE AND ODOR: Clear Liquid

PERCENT VOLATILE: nil.

SOLUBILITY IN WATER: Negligible

SPECIFIC GRAVITY: 1.14 at 25°C

FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: >200°F Closed Cup

EXTINGUISHING MEDIA: Carbon dioxide, foam, dry chemical, water spray.

FIRE FIGHTING PROCEDURES-SPECIAL: Use self-contained breathing apparatus.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Decomposition and combustion products may be toxic.

REACTIVITY DATA

STABILITY: Stable

CONDITIONS TO AVOID: High Temperatures.

INCOMPATIBILITY: Strong oxidizing agent.

HAZARDOUS

DECOMPOSITION PRODUCTS: Carbon Monoxide, Carbon Dioxide, Aldehydes.

HAZARDOUS POLYMERIZATION: Will not occur.

CONDITIONS TO AVOID: Strong acids or bases in bulk.

HEALTH HAZARD DATA

PRIMARY ROUTES OF EXPOSURE: DERMAL

ORAL LD50: (Rat) >5,000 MG/KG

DERMAL LD50: (Rabbit) >2,100 MG/KG

SKIN IRRITATION: (Rabbit) Mild irritation

EYE IRRITATION: (Rabbit) None

SENSITIZATION: (Guinea Pig) Sensitizer

INHALATION LC50: (RAT) 6.1mg/l for a 4-hour exposure: Toxic by inhalation (Minor ingredient).

OVEREXPOSURE EFFECTS: Irritation, sensitization and dermatitis.

OVEREXPOSURE CHRONIC:

Mice receiving skin applications of the diglycidyl ether of Bisphenol A or essentially identical resins for two years have yielded very limited evidence of weak carcinogenicity. The published report on this study concludes that this resin product "is not a systemic carcinogen when applied to the skin of CF 1 mice" and the tumor data "was of no biological importance. Based on all available data, IARC (International Agency for Research on Cancer) has concluded in 1988 that DGEBA is not classified as a carcinogen.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: Allergy, Eczema, or skin conditions.

EMERGENCY & FIRST AID PROCEDURES:

EYES: Immediately flush eyes with water for at least 15 minutes.

SKIN: Promptly wash with mild soap and water.

INGESTION: If conscious, give large quantities of water. Induce vomiting. Get immediate medical attention.

INHALATION: Remove to fresh air. Give oxygen if breathing is difficult.

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

SPILL OR LEAK PROCEDURES

SPILL PROCEDURES:

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

WASTE DISPOSAL METHODS:

Dispose in accordance with Federal, State and local Regulations.

SPECIAL PROTECTION INFORMATION

VENTILATION: Good general mechanical ventilation recommended.

PROTECTIVE GLOVES: Wear impervious gloves.

EYE PROTECTION: Wear splash-proof chemical goggles.

RESPIRATORY PROTECTION: Use NIOSH approved respirator suitable for organic vapors, if required.

OTHER PROTECTIVE EQUIPMENT: Wear protective equipment to prevent exposure and personal contact.

SPECIAL PRECAUTIONS

HMIS CODE: HEALTH: 2 FIRE: 1 REACTIVITY: 0

HANDLING, SHIPPING AND STORING PRECAUTIONS:

WARNING! May cause irritation, dermatitis and sensitization.

Avoid contact with eyes, skin and clothing. Avoid breathing vapor, mist or spray.
Use only with adequate ventilation. Store in closed containers in cool, dry area.
Wash thoroughly after handling.

REGULATORY INFORMATION

DOT CLASS: Not regulated.

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

CERCLA STATUS: Not listed.

SARA/TITLE III-TOXIC CHEMICALS LIST:

This product does not contain a toxic chemical for routine annual
'Toxic Chemical Release Reporting' under Sec. 313 (40 CFR 372).

TSCA INVENTORY STATION: Chemical components listed on TSCA inventory.

NEW JERSEY RIGHT-TO-KNOW LABELING INFORMATION:

This product contains the following:

CHEMICAL NAME: Phenol, 4,4'-(1-Methylethylidene)Bis-, Polymer
with (Chloromethyl)oxirane

CAS NUMBER: 20568-38-6

CHEMICAL NAME: Oxirane, (Butoxymethyl)-

CAS NUMBER: 2426-08-6

PENNSYLVANIA RIGHT-TO-KNOW ACT:

The following is required composition information;

CHEMICAL NAME: Phenol, 4,4'-(1-Methylethylidene)Bis-Polymer with
(Chloromethyl)Oxirane.

CAS NUMBER: 25068-38-6

COMMON NAME: Bisphenol A Epoxy Resin

COMMENTS: Not on Pennsylvania Hazardous Substance List.

CHEMICAL NAME: Oxirane, {(Methylphenoxy)Methyl}-

CAS NUMBER: 26447-14-3

COMMON NAME: Cresyl Glycidyl Ether

COMMENTS: Not on Pennsylvania Hazardous Substance List.