

# MATERIAL SAFETY DATA SHEET

Trade Name: **AquataPoxy A-6 - Part A**

## SECTION I: COMPANY IDENTIFICATION

**Company:** RLS  
13105 East 61<sup>st</sup> Street South, Suite A  
Broken Arrow, OK 74012

**Emergency Telephone #:** 800-424-9300  
Chemtec

**Revision Date:** 10/10/07

**Information Telephone #:** 918-615-0020  
800-324-2810

## SECTION II: INGREDIENT INFORMATION

<u>INGREDIENT</u>	<u>CAS NUMBER</u>	<u>PERCENT</u>	<u>PEL</u>	<u>TLV</u>
Epoxy Resin	25085-99-8	60 - 80%	N/E	N/E
Aliphatic Epoxy Resin	68609-97-2	5 - 15%	N/E	N/E
Hydrous Aluminum Silicate	8031-18-3	1 - 5%	N/E	N/E

N/E indicates "not established"

SARA Title III, Section 313 ingredients: None

All ingredients are TSCA inventory listed.

## SECTION III: PHYSICAL DATA

**Boiling Point:** > 200 deg F

**Vapor Pressure:** Not determined

**Vapor Density:** Not determined

**Solubility in Water:** Negligible

**Appearance and Odor:** Heavy paint consistency - faint epoxy odor

**Specific Gravity:** 1.3

**Melting Point:** Not determined

**Evaporation Rate:** Not determined

**% Volatile by Volume:** <1%

## SECTION IV: FIRE & EXPLOSION HAZARD DATA

**Flash Point:** >200 deg F, TCC Method

**Extinguishing Media:** Foam, CO<sub>2</sub>, Dry Chemical

**Special Fire Fighting Procedures:** The use of self-contained breathing apparatus is recommended for firefighters. Water may be helpful in keeping adjacent containers cool. Avoid spreading burning liquid with water used for cooling purposes.

**Unusual Fire and Explosion Hazards:** Keep work areas free of hot metal surfaces and other sources of ignition.

**NFPA classification:** Health: 2      Flammability: 1      Reactivity: 0

**OSHA/NFPA Flammability Classification:** Class III B

**LFL:** Not determined      **UFL:** Not determined

## SECTION V: REACTIVITY DATA

**Stability:** Stable

**Incompatibility:** Strong acids and bases, selected amines, oxidizing agents.

**Hazardous Decomposition or Byproducts:** Thermal decomposition in the presence of air may yield carbon monoxide, carbon dioxide, phenolics, acids, aldehydes, ketones and other unidentified toxic and/or irritating compounds.

**Hazardous Polymerization:** Will not occur.

## **SECTION VI: HEALTH HAZARD DATA**

### **Primary Routes of Entry:**

**EYES:** May cause slight transient (temporary) eye irritation. Corneal injury is unlikely.

**SKIN:** May cause allergic skin reaction in susceptible individuals. Prolonged exposure not likely to cause significant skin irritation. Repeated exposure may cause skin irritation. A single prolonged exposure is not likely to result in the material being absorbed through skin in harmful amounts.

**INHALATION:** Vapors are unlikely due to physical properties.

**INGESTION:** Single dose oral toxicity is low. The oral LD50 for rats is >4000 mg/kg. No hazards anticipated from ingestion incidental to industrial exposure.

**SYSTEMIC and OTHER EFFECTS:** Except for skin sensitization, repeated exposures to low molecular weight epoxy resins of this type are not anticipated to cause any significant adverse effects.

**Carcinogenicity:** A poorly characterized sample of low molecular weight epoxy resin of this type (diglycidyl ether of bisphenol A) has been reported to produce skin cancer in a highly sensitive strain of mice. However, high levels of impurities (including a known animal skin carcinogen) compromise the validity of the findings. Epoxy resin that is representative of current manufacturing processes is not believed to be a cancer hazard to humans. Results of mutagenicity tests in animals have been negative. Has been shown to be negative in some invitro ("test tube") mutagenicity tests and positive in others.

### **Emergency and First Aid Procedures:**

**EYES:** Flush with large quantities of water for at least 15 minutes. Consult a physician.

**SKIN:** Wash thoroughly with soap and flowing water.

**INHALATION:** Remove to fresh air if effects occur. Consult a physician.

**INGESTION:** No adverse effects anticipated by this route of exposure incidental to proper industrial handling.

## **SECTION VII: PRECAUTIONS FOR SAFE HANDLING AND USE**

**Steps to Be Taken in Case Material is Released or Spilled:** Keep sources of ignition and hot metal surfaces isolated from the spill. Material may flow slowly. Scrape into containers for disposal.

**Waste Disposal Methods:** Dispose of according to all local, state and federal regulations.

**Precautions to Be Taken in Handling and Storing:** Keep containers closed when not in use. Avoid prolonged or repeated contact with skin. DO NOT handle or store near flame, heat or strong oxidants. Do not store in direct sunlight. Avoid prolonged storage above 38 deg C (100 deg F).

## **SECTION VIII: CONTROL MEASURES**

**RESPIRATORY:** Respiratory protection should not be needed. If exposure may or does exceed occupational exposure limits, respiratory irritation is experienced, or during spray application, use a properly fitted MSHA/NIOSH approved respirator fitted with organic vapor cartridges. In addition, spray application may require the use of paint pre-filters. If sanding or grinding on cured material, use above respirator fitted with HEPA filters or a dust mask.

**VENTILATION:** General mechanical ventilation is sufficient for most conditions. Local exhaust ventilation may be necessary for some operations.

**EYES:** Use safety glasses, splash-proof eye goggles or goggles with full faceshield.

**CLOTHING/GLOVES:** Use impermeable gloves to prevent skin irritation in sensitive individuals. Wear clean, long-sleeved, body covering clothing.

## **SECTION IX: TRANSPORT DATA**

**Proper Shipping Name:** Not regulated

**Hazard Class:** Not regulated by D.O.T. regulations

**Identification Number:** None

**Packing Group:** None

## **SECTION X: DISCLAIMER**

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# MATERIAL SAFETY DATA SHEET

Trade Name: **AquataPoxy A-6 - Part B**

## SECTION I: COMPANY IDENTIFICATION

**Company:** RLS  
13105 East 61<sup>st</sup> Street South, Suite A  
Broken Arrow, OK 74012

**Emergency Telephone #:** 800-424-9300  
Chemtrec

**Revision Date:** 10/10/07

**Information Telephone #:** 918-615-0020  
800-324-2810

## SECTION II: INGREDIENT INFORMATION

<u>INGREDIENT</u>	<u>CAS NUMBER</u>	<u>PERCENT</u>	<u>PEL</u>	<u>TLV</u>
Crystalline Silica, Quartz	14808-60-7	60 - 70%	*0.1 mg/m <sup>3</sup>	*0.025 mg/m <sup>3</sup>
4,4'-Methylenebiscyclohexanamine	1761-71-3	10 - 15%	N/E	N/E
Benzyl Alcohol	100-51-6	10 - 15%	N/E	N/E
Cycloaliphatic Amine Adduct	129733-57-9	5 - 10%	N/E	N/E
2,4,6-tris(Dimethylaminomethyl) Phenol	90-72-2	1 - 3%	N/E	N/E

N/E indicates "not established"

SARA Title III, Section 313 ingredients: None

All ingredients are TSCA inventory listed

\*Note: The PEL and TLV for this ingredient are the TWA for respirable dust levels only. In this product, it is pre-dispersed and not available as a dust. Therefore, under normal use conditions it is not considered a hazard.

## SECTION III: PHYSICAL DATA

**Boiling Point:** > 200 deg F

**Vapor Pressure:** Not determined

**Vapor Density:** Not determined

**Solubility in Water:** Negligible

**Appearance and Odor:** Heavy paint consistency - bland odor

**Specific Gravity:** 1.7

**Melting Point:** Not determined

**Evaporation Rate:** Not determined

**% Volatile by Volume:** <1%

## SECTION IV: FIRE & EXPLOSION HAZARD DATA

**Flash Point:** >200 deg F, TCC Method

**Extinguishing Media:** Foam, CO<sub>2</sub>, Dry Chemical, Water Spray

**Special Fire Fighting Procedures:** The use of self-contained breathing apparatus is recommended for firefighters. Water may be helpful in keeping adjacent containers cool.

**Unusual Fire and Explosion Hazards:** May generate toxic or irritating combustion products. Sudden reaction and fire may result if product is mixed with an oxidizing agent.

**NFPA classification:** Health: 3 Flammability: 1 Reactivity: 0

**OSHA/NFPA Fire Hazard Classification:** Class III B

**LFL:** Not Determined **UFL:** Not Determined

## SECTION V: REACTIVITY DATA

**Stability:** Stable

**Incompatibility:** Strong acids and bases, selected epoxy resins and strong oxidizing agents.

**Hazardous Decomposition or Byproducts:** Thermal decomposition in the presence of air may yield carbon monoxide, carbon dioxide, ammonia, nitrogen oxides and other unidentified toxic and/or irritating compounds.

**Hazardous Polymerization:** Will not occur.

## **SECTION VI: HEALTH HAZARD DATA**

### **Primary Routes of Entry:**

**EYES:** Severe eye irritant. May cause burns. Seek medical attention.

**SKIN:** Possible skin irritant. May cause injury to skin following prolonged or repeated contact. Repeated exposure may cause sensitization of the individual.

**INHALATION:** Excessive inhalation is likely to cause irritation of mucous membranes.

**INGESTION:** May cause headache, nausea, vomiting, bleeding of the gastrointestinal tract and vomiting of blood. Oral toxicity not available on compound. Seek immediate medical attention.

**SYSTEMIC and OTHER EFFECTS:** Product may be irritating to skin, ears, eyes and mucous membranes. May cause injury upon prolonged contact and repeated contact.

**Carcinogenicity:** The International Agency for Research on Cancer has determined that crystalline silica inhaled in the form of quartz from occupational sources is carcinogenic to humans (Group 1 – carcinogenic to humans). Refer to IARC Monograph 68, Silica, Some Silicates and Organic Fibrils (published in June 1997) in conjunction with the use of these materials. The National Toxicology Program classifies respirable crystalline silica as “known to be a human carcinogen”. Refer to the Eleventh Report on Carcinogens (2005). The American Conference of Governmental Industrial Hygienists (ACGIH) classifies crystalline silica, quartz, as a suspected human carcinogen (A2).

### **Emergency and First Aid Procedures:**

**EYES:** Flush with large quantities of water for at least 15 minutes. Consult a physician.

**SKIN:** Wash immediately with soap and flowing water. If irritation or sensitization occurs, remove individual from further contact with material.

**INHALATION:** Remove to fresh air if effects occur. Consult a physician.

**INGESTION:** If this product is swallowed, administer 3-4 glasses of milk or water. Do not induce vomiting. Seek medical advice.

## **SECTION VII: PRECAUTIONS FOR SAFE HANDLING AND USE**

**Steps to Be Taken in Case Material is Released or Spilled:** Keep sources of ignition and hot metal surfaces isolated from the spill. Material may flow slowly. Scrape into containers for disposal.

**Waste Disposal Methods:** Dispose of according to all local, state and federal regulations.

**Precautions to Be Taken in Handling and Storing:** Keep containers closed when not in use. Avoid breathing vapors and prolonged or repeated contact with skin. Do not handle or store near flame, heat or strong oxidants. Do not store in direct sunlight. Avoid prolonged storage above 38 deg C (100 deg F).

## **SECTION VIII: CONTROL MEASURES**

**RESPIRATORY:** Respiratory protection should not be needed. If exposure may or does exceed occupational exposure limits, respiratory irritation is experienced, or during spray application, use a properly fitted MSHA/NIOSH approved respirator fitted with organic vapor cartridges. In addition, spray application may require the use of paint pre-filters. If sanding or grinding on cured material, use above respirator fitted with HEPA filters.

**VENTILATION:** General mechanical ventilation is sufficient for most conditions. Local exhaust ventilation may be necessary for some operations.

**EYES:** Use chemical safety glasses, splash-proof eye goggles or goggles with full faceshield.

**CLOTHING/GLOVES:** Use nitrile or other chemically resistant gloves. Wear clean, long-sleeved, body covering clothing and rubber boots.

## **SECTION IX: TRANSPORT DATA**

**Proper Shipping Name:** Not regulated

**Hazard Class:** Not regulated by D.O.T. regulations

**Identification Number:** None

**Packing Group:** None

## **SECTION X: DISCLAIMER**

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