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Product Name: A-12 A RESIN
MSDS No.: 11-00053
Date Revised: 02/13/2004
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Epoxy Resin Adhesive A-12 RESIN TECHNOLOGY GROUP, LLC

MATERIAL SAFETY DATA SHEET

050452

RECEIVED

MAR 31 2010

MATERIAL IDENTIFICATION

Product Name:

A-12A RESIN

EMERGENCY PHONE: For product emergency involving spill, leak, fire, exposure, or accident call CHEMTREC at (800) 424-9300. For all other inquiries please call Resin Technology Group, LLC, at (508) 230-8070.

2. COMPOSITION

HAZARDOUS COMPONENTS	CAS NO.	PERCENT	Exposure Limits	
			ACGIH TLV-TWA	OSHA PEL
Epoxy Resin	25068-38-6	> 60	N.F.	N.E.
Quartz (crystalline silica)	14808-60-7	< 10	0.1 mg/m ³ (RF)	0.1 mg/m ³ (RF)
Alumina /Aluminum Oxide	1344-28-1	< 10	10 mg/m ³ (TP)	10 mg/m ³ (TP)
Iron (II) Oxide, Hydrate	51274-00-1	< 5	5 mg/m ³ (fume)	10 mg/m ³ (TP)

Abbreviations: N.E.: Not Established; RF: Respirable Fraction; TP: Total Particulate

3. HEALTH HAZARDS IDENTIFICATION

Routes of Exposure:

Eyes: Yes

Skin: Yes

Inhalation: No

Eye Contact: Contact can cause moderate irritation.

Skin Contact: Contact can cause moderate irritation. It can cause the development of hypersensitivity in susceptible individuals.

Inhalation: Under normal conditions, no adverse effects are expected.

Ingestion: This product has a low order of oral toxicity. It is not expected to produce any adverse effects following exposure.

4. FIRST AID MEASURES

Eyes: In case of eye contact, flush with a steady stream of water for 15 minutes. Obtain prompt medical attention.

Skin: In case of skin contact, wash with soap and plenty of water. Remove contaminated clothing. Launder clothes before reusing. Destroy or thoroughly clean shoes before reusing. Obtain medical attention.

Inhalation: If vapor is inhaled, remove to fresh air. Administer oxygen if there is difficulty breathing. Give artificial respiration if breathing has stopped. Obtain medical attention without delay.

Ingestion: If swallowed, call a poison control center, emergency room, or physician. Unless advised otherwise, induce vomiting by giving either syrup of IPECAC followed by 2 glasses of water or by sticking finger down throat.

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10. STABILITY and REACTIVITY

Chemical Stability:	Stable under normal conditions and use.
Incompatibility:	Amines, Mercaptans, Oxidizing Agents, Acids, Strong Bases, and Ammonia
Conditions to Avoid:	Avoid contact with the above incompatible chemicals.
Hazardous Decomposition Products:	Phenolics, Smoke, Soot, Carbon Dioxide, Carbon Monoxide, and Metallic Oxides.
Hazardous Polymerization:	Will not occur.

11. TOXICOLOGICAL INFORMATION

This section provides toxicological information with regard to the pure form of the components indicated. This information can be subject to misinterpretation. It is therefore suggested that persons trained in its evaluation interpret this information.

Epoxy Resin:

LD ₅₀ Acute Oral Rat:	11.4 g/kg
LD ₅₀ Acute Dermal Rabbit:	> 20 ml/kg
Eye Irritation:	Driaze - 2 Rabbit
Skin Irritation:	Driaze - 1.6 Rabbit

Quartz, (Crystalline Silica):

Can cause mechanical irritation to the eyes, skin, and gastrointestinal tract. Chronic exposure to crystalline silica dusts can cause silicosis, a fibrotic condition caused by deposition of silicon dioxide particles. Chest pain and progressive impairment of pulmonary function characterize a silicotic condition. Epidemiological studies indicate lung cancer is more prevalent among individuals affected with silicosis than the general public. . A significant incidence of adenocarcinomas and squamous cell carcinomas of the lung was induced in rats exposed to quartz dusts following inhalation and intratracheal administration.

Alumina:

Can cause mechanical irritation to the eyes and skin. Treat as a nuisance dust. High concentrations inhaled chronically can lead to the deposition of particulates in the lungs (pneumonconiosis). Alumina may contain, as an impurity, trace amounts of asbestos and crystalline silica.

Iron (II) Oxide, Hydrate:

May cause mechanical irritation to the eyes and skin. Prolonged and repeated irritation can lead to the deposition of iron particles in the lungs, (siderosis).

Note: Due to this product's physical composition, the release or generation of dust is not expected to occur under normal conditions of use.

12. ECOLOGICAL INFORMATION

No data found.

13. DISPOSAL CONSIDERATIONS

Disposal must be made in accordance with applicable governmental regulations.