

Date of preparation: 07/01/04

**SECTION I**

Manufacturer : **W. R. MEADOWS, INC.**  
Address : 2300 West Valley Boulevard  
: Pomona, CA 91768

Telephone # : (909) 469-2608  
Emergency # : 1-800-424-9300 Chemtrec

Mfg. code I.D. : 3706108  
Trade Name : **REZI-WELD ER-43 TYPE 1 - COMPONENT A**

**- H M I S -**

**|Health** : 1 |  
**|Flammability** : 2 |  
**|Reactivity** : 0 |  
**|Personal Protection** : |

(Hazard Rating: 0=Least,1=Slight,2=Moderate,3=High,4=Extreme,\*=Chronic)

**SECTION II-A HAZARDOUS COMPONENTS**

No.	Component	CAS#	% by Weight	SARA 313	VAPOR PRESSURE (mm Hg @ 20 C)	LEL (@ 25 C)
1.	Titanium Dioxide	13463-67-7	1-5	NO	N/A	N/A
2.	Alkyl Glycidyl Ether(s) (C8-C10)	68609-96-1	10-15	NO	0.10 @ 21C	N/A
3.	Bisphenol A/Epichlorohydrin Resin	25068-38-6	80-85	NO	N/A	N/A
4.	Silicon Dioxide Amorphous	67762-90-7	1-5	NO	N/A	N/A

None of the components of this product are recognized as carcinogenic. N/A = Not Applicable

Under the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA) and 40 CFR Part 372, chemicals listed on the 313 List (40 CFR Part 373.65) are identified under the heading "SARA 313".

**SECTION II-B OCCUPATIONAL EXPOSURE LIMITS**

No.	OSHA				ACGIH			
	PEL/TWA	PEL/CEILING	PEL/STEL	SKIN	TLV/TWA	TLV/CEILING	TLV/STEL	SKIN
1.	15 mg/m <sup>3</sup> *	5 mg/m <sup>3</sup>	N/E	N/E	10 mg/m <sup>3</sup> *	N/E	N/E	N/E
2.	N/E	N/E	N/E	N/E	N/E	N/E	N/E	N/E
3.	N/E	N/E	N/E	N/E	N/E	N/E	N/E	N/E
4.	80 mg/m <sup>3</sup>	N/E	N/E	N/E	5 mg/m <sup>3</sup> **	10 mg/m <sup>3</sup> *	N/E	N/E

N/E = Not established \* = Total dust \*\* = Respirable fraction

**SECTION III PHYSICAL DATA**

**Boiling Point** : 425 degrees F **% Volatile by volume** : Not applicable  
**Evaporation Rate** : < 1 (ether = 1) **% Volatile by weight** : Not applicable  
**Vapor Density** : > 1 (air = 1) **Weight per gallon** : 9.21 (Theoretical)  
**pH Level** : Not applicable

**SECTION IV HEALTH INFORMATION**

**EYE CONTACT:** Based on the presence of component 2 this product is presumed to be moderately irritating to the eyes..

**SKIN CONTACT:** Based on the presence of component 2 prolonged or repeated contact may cause redness, burning, drying and cracking of the skin which may result in dermatitis. Based on the presence of component 3 contact with the skin may result in skin sensitization to epoxies. Individuals who have developed a skin sensitization can develop these symptoms as a result of contact with very small amounts of liquid material or as a result of exposure to vapor. This skin sensitization may be temporary or permanent. Once an individual is diagnosed as being sensitized, no further exposure can be permitted.

**INHALATION:** Exposure may produce irritation to the nose, throat, respiratory tract, and other mucous membranes. Based on the presence of component 3 as a result of repeated overexposures or exposure to a single large dose, certain individuals may develop lung sensitization (chemical asthma) to epoxies which will cause them to react to a later exposure at very low levels. Once an individual is diagnosed as being sensitized, no further exposure can be permitted. This lung sensitization may be either temporary or permanent.

**INGESTION:** Based on the presence of component 2 this product is presumed to slightly toxic.

**SIGNS AND SYMPTOMS:** Symptoms of eye irritation include pain, tearing, reddening, and swelling. Symptoms of skin irritation include reddening, swelling, rash, and redness. Symptoms of respiratory irritation include runny nose, sore throat, coughing, chest discomfort, shortness of breath, and reduced lung function. Symptoms of gastrointestinal irritation include sore throat, abdominal pain, nausea, vomiting, and diarrhea. Skin sensitization results in allergic dermatitis which may include rash, itching, hives and swelling of extremities. Lung sensitization results in asthma-like symptoms: chest tightness, shortness of breath, wheezing and coughing. These symptoms may be immediate or delayed up to several hours.

**AGGRAVATED MEDICAL CONDITIONS:** Pre-existing skin, eye, and respiratory disorders may be aggravated by exposure to this product. Persons with asthmatic-type conditions, chronic bronchitis, other chronic respiratory diseases, recurrent skin eczema, sensitization or allergies should be excluded from working with epoxies.

**OTHER HEALTH EFFECTS:** None known.

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**SECTION V EMERGENCY AND FIRST AID PROCEDURES**

**EYE CONTACT:** If irritation or redness develops, move victim away from exposure source and into fresh air. Flush eyes with water for fifteen (15) minutes. If symptoms persist, seek medical attention.  
**SKIN CONTACT:** Remove contaminated shoes and clothing. Cleanse affected area(s) thoroughly by washing with mild soap and water. If irritation or redness develops and persists, seek medical attention.  
**INHALATION:** If respiratory symptoms develop, move victim away from exposure source and into fresh air. If symptoms persist, seek medical attention. If victim is not breathing, immediately begin artificial respiration. If breathing difficulties develop, oxygen should be administered by qualified personnel. Seek immediate medical attention.  
**INGESTION:** Dilute with liquid unless the victim is unconsciousness or very drowsy. If vomiting occurs spontaneously, keep the victim's head below the hips to prevent aspiration into the lungs. Consult a physician, hospital, or poison control center and/or transport to an emergency facility immediately.

**SECTION VI FIRE AND EXPLOSION HAZARDS**

**FLAMMABILITY CLASSIFICATION** - NFPA: Combustible Liquid - Class IIA  
 - DOT: Bulk shipments only; Combustible liquid, N.O.S. (Butyl Glycidyl Ether) NA 1993 III  
**FLASH POINT:** 173 degrees F (estimate)  
**EXTINGUISHING MEDIA:** Use water fog, foam, dry chemical, or Carbon Dioxide.  
**SPECIAL FIRE FIGHTING PROCEDURES AND PRECAUTIONS:** WARNING: COMBUSTIBLE! Clear area of unprotected personnel. Do not enter confined fire space without helmet, face shield, bunker coat, gloves, rubber boots, and a positive pressure NIOSH approved self-contained breathing apparatus.  
**UNUSUAL FIRE AND EXPLOSION HAZARDS:** Containers exposed to intense heat from fires should be cooled with water to prevent vapor pressure buildup which may result in container rupture. Container areas exposed to direct flame contact should be cooled with large quantities of water as needed to prevent weakening of container structure.

**SECTION VII REACTIVITY**

**STABILITY:** Stable **HAZARDOUS POLYMERIZATION:** Will not occur  
**CONDITIONS AND MATERIALS TO AVOID:** Avoid oxidizing materials, strong acids, alkaline materials, amines, polyamines, and polyamides under uncontrolled conditions  
**HAZARDOUS DECOMPOSITION PRODUCTS:** Combustion may yield Carbon Dioxide, Carbon Monoxide, and/or incomplete combustion products. Do not breathe smoke or fumes. Wear appropriate protective equipment.

**SECTION VIII EMPLOYEE PROTECTION**

**RESPIRATORY PROTECTION:** Use ventilation as required to control vapor concentrations - at least 10 air changes per hour are recommended for good general room ventilation. If exposure exceeds the PEL/TLV, use the appropriate NIOSH approved respirator.  
**PROTECTIVE CLOTHING:** Wear safety glasses, goggles, or a splash shield to prevent eye contact. Contact lenses should not be worn. Wear appropriate gloves and protective clothing to prevent contact with skin and clothing.  
**ADDITIONAL PROTECTIVE MEASURES:** Eye wash fountains and safety showers should be available for use in an emergency.

**SECTION IX ENVIRONMENTAL PROTECTION**

**SPILL OR LEAK PROCEDURES:** LARGE SPILLS>> Evacuate the hazard area of unprotected personnel. Wear appropriate respirator and protective clothing. Shut off source of leak only if safe to do so. Dike and contain. Remove/extinguish ignition sources. If vapor cloud forms, water fog may be used to suppress; contain run-off. Remove with vacuum trucks or pump to storage/salvage vessels. Soak up residue with an absorbent such as clay, sand, or other suitable material; place in non-leaking containers for proper disposal. Flush area with water to remove trace residue; dispose of flush solutions as above. SMALL SPILLS>> Take up with an absorbent material and place in non-leaking containers; seal tightly for proper disposal.  
**WASTE DISPOSAL:** Observe all Federal, State and local regulations regarding proper disposal.

**SECTION X ADDITIONAL PRECAUTIONS**

Keep liquid and vapor away from heat, sparks, and flame. Extinguish pilot lights and cigarettes, and turn off other possible sources of ignition prior to use and until vapors are gone. Surfaces that are sufficiently hot may ignite product in the absence of sparks or flame. Vapors may accumulate and travel to ignition sources distant from the handling site. Keep containers closed when not in use. Use with adequate ventilation. Containers, even if empty, can contain explosive vapors. Do not cut, drill, grind or weld near containers. Containers can contain hazardous product residues even when empty. Wash with soap and water before eating, drinking, smoking or using toilet facilities.

The information contained herein is based on the data available to us and is believed to be correct. However, we make no warranty, expressed or implied regarding the accuracy of this data or the results to be obtained from the use thereof. We assume no responsibility for injury from the use of the product described herein.