

\*\*\* MATERIAL SAFETY DATA SHEET \*\*\*

This MSDS is being provided to your company for the purpose of providing current health and safety information to your management and for your employees who work with this material. Please read the information on these sheets, and then provide this information to those people at your company whose responsibility it is to implement the "Workplace Hazardous Materials Information System (WHMIS)". Also make this information available to any employee who requests it.

Date of Preparation: 01/30/14

3700-612B

SECTION I PRODUCT IDENTIFICATION AND USE

Manufacturer : W. R. MEADOWS® OF CANADA

- H M I S -

Address : 70 Hannant Court  
: Milton, ON L9T 5C1

|Health :2|

|Fire : 1|

|Reactivity : 0|

|Person Protection : |

Telephone # : (905) 878-4122

Emergency # : 1-800-424-9300 Chemtrec

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

Product Class : Class E, Corrosive Material

Product Identification Number: 3700-612B

Product Identifier : REZI-WELD™ (IP) – COMPONENT B

Product Use : Bonding Agent

SECTION II HAZARDOUS INGREDIENTS

No. Hazardous Ingredient(s)*	CAS#	% By Weight	LD50	LC50	TLV/TWA	ACGIH		SKIN
						TLV/Ceiling	TLV/STEL	
1. Tetraethylenepentamine	112-57-2	5-10	N/E	N/E	N/E	N/E	N/E	N/E
2. Diethylene Triamine	111-40-0	10-15	1080 m/kg**	N/E	1 ppm	N/E	N/E	YES
3. Tall Oil Fatty Acid	68919-79-9	35-40	N/E	N/E	N/E	N/E	N/E	N/E
"RPW" Triethylenetetramine								
4. Phenol	108-95-2	1-5	N/E	N/E	5 ppm	N/E	N/E	YES
5. Bisphenol A	80-05-76	5-10	N/E	N/E	N/E	N/E	N/E	N/E
6. Para-Nonylphenol	84852-15-3	15-20	N/E	N/E	N/E	N/E	N/E	N/E

\* A more complete disclosure will be provided to a physician or nurse in the event of a medical emergency. None of the components of this product are recognized as carcinogenic.

Component data is defined in accordance with Sub-paragraph 13 (a) (i) to (iv) of the Hazardous Product Act.

N/E = Not established      \*\*"RPW" = Reaction Product with      \*\* = Rat

SECTION III PHYSICAL DATA

<b>Physical State</b>	: Liquid	<b>Vapour Density</b>	: >1 (air=1)
<b>Specific Gravity</b>	: 0.99	<b>Evaporation Rate</b>	: < 1 (ether = 1)
<b>Product Odour/Appearance</b>	: Amber liquid/ammoniacal odour	<b>Percent Volatile</b>	: Not applicable
<b>Vapour Pressure</b>	: Not established	<b>Freezing Point</b>	: Not established
<b>pH</b>	: Not applicable	<b>Boiling Point</b>	: >175 degrees C.
<b>Odour Threshold</b>	: Not applicable		
<b>Coefficient of water/oil distribution:</b>	Not applicable		

SECTION IV FIRE AND EXPLOSION DATA

<b>Conditions of Flammability:</b>	None	<b>Autoignition temperature:</b>	Not established
<b>Means of extinction:</b>	Water fog, foam, dry chemical, or Carbon Dioxide	<b>Sensitivity to mechanical impact:</b>	No
<b>Flash point and method:</b>	Greater than 98 degrees C. (estimate)	<b>Sensitivity to static discharge:</b>	No
<b>Flammability limits:</b>	LEL: N/E    UEL: N/A		
<b>Hazardous combustion products:</b>	Carbon Monoxide, Carbon Dioxide and incomplete combustion products.		

SECTION V REACTIVITY DATA

<b>Chemical stability:</b>	Stable
<b>If no, under which conditions:</b>	
<b>Incompatibility (materials to avoid):</b>	Avoid oxidizing materials, strong acids.
<b>Conditions of reactivity:</b>	None
<b>Hazardous decomposition products:</b>	None Known

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**SECTION VI TOXICOLOGICAL PROPERTIES**

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**Route(s) of entry:** Inhalation, skin contact.

**Effect(s) of acute exposure to product:**

**EYE CONTACT:** Based on the presence of components 2 and 5 this product is presumed to be corrosive to the eyes. Exposure may cause chemical burns and extensive corneal injury.

**SKIN CONTACT:** Based on the presence of component 2 this product is presumed to be corrosive to the skin and exposure may cause chemical burns. Skin absorption may result in symptoms of exposure as those described for inhalation and ingestion. Contact with the skin may result in skin sensitization to amines, polyamines, polyamides, and related compounds. 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 vapours. This skin sensitization may be temporary or permanent. Once an individual is diagnosed as being sensitized, no further exposure can be permitted.

**INHALATION:** Based on the presence of components 1, 4, and 6 product vapours and/or mists are presumed to be corrosive to the nose, throat, respiratory tract, and other mucous membranes. Overexposure may result in chemical pneumonitis or pulmonary edemas which are potentially fatal. Based on the presence of component 2 excessive inhalation, even on a single prolonged exposure, may cause adverse effects. These include: severe irritation of the upper respiratory tract, lungs liver, and kidneys. As a result of repeated overexposures or exposure to a single large dose, certain individuals may develop lung sensitization (chemical asthma) to amines, polyamines, polyamides, and related compounds 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 temporary or permanent.

**INGESTION:** Based on the presence of components 2, this product is corrosive and may cause chemical burns to the gastrointestinal tract.

**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 sever hours.

**Exposure limits:** See Section II

**Effect(s) of chronic exposure to product:**

Carcinogenicity: No

Reproductive toxicity: Not Established

Teratogenicity: Not Established

Mutagenicity: Not Established

Synergistic Properties: None Known

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**SECTION VII PREVENTIVE MEASURES**

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**Personal protective equipment:** 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.

**Engineering controls:** Use ventilation as required to control vapour 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.

**Leak and spill 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. If vapour 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 Provincial, Federal, State and local regulations regarding proper disposal.

**Handling procedures/equipment:** Avoid direct contact with this product.

**Storage requirements:** Store in a cool dry area, away from ignition sources. Keep containers closed when not in use.

**Special shipping information:** None

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**SECTION VIII FIRST AID MEASURES**

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**EYE CONTACT:** If irritation or redness develops, move victim away from exposure source and into fresh air. Flush eyes with water for at least 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.

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**SECTION VIII FIRST AID MEASURES (Con't)**

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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.

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**SECTION IX PREPARATION OF MSDS**

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Prepared by: David Carey

Phone Number: (847) 683-4500

Preparation Date: 01/30/14

Product Identification Number: 3700-612B

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**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 medical attention.

**INGESTION:** Dilute with liquid unless the victim is unconscious or very drowsy. If vomiting spontaneously occurs, keep the victims 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.

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SECTION IX

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