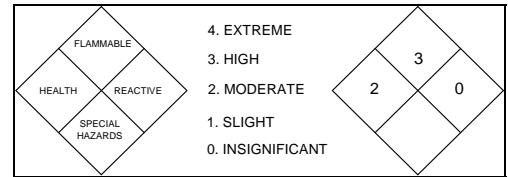


**MATERIAL SAFETY DATA SHEET**  
**ROOFING PRODUCTS INTERNATIONAL, INC.**  
**MSDS 117 ROYAL EDGE BONDING ADHESIVE**  
**(SOLVENT BASED)**



**SECTION 1 – PRODUCT IDENTIFICATION**

Product Name: <b>Bonding Adhesive – Solvent Based (contact)</b>	24 Hour Emergency Telephone Number: <b>800-424-9300 CHEMTREC</b>
Chemical Name/Synonyms: <b>Polychloroprene Based Adhesive</b>	Manufacturer's Name: <b>Roofing Products International, Inc.</b>
Chemical Family: <b>Polychloroprene</b>	Manufacturer's Address: <b>57460 Dewitt St., Elkhart, IN 46517-1078</b>
Chemical Formula: <b>Not Established</b>	NFPA Acute Hazard Rating: <b>Health 2, Flammability 3, Reactivity 0</b> HMIS Acute Hazard Rating: <b>Health 2, Flammability 0, Reactivity 0</b>

**SECTION 2 – CHEMICAL COMPOSITION**

Ingredient Components (chemical names) <b>Product</b>	OSHA (1910.1200) <b>Flammable</b>	Case No. <b>NA</b>	OSHA STEL <b>ND</b>	OSHA PEL <b>ND</b>	ACGIH TLV <b>ND</b>
<b>Acetone 19± 1</b>		<b>67-64-1</b>	<b>150 PPM</b>	<b>750 PPM</b>	<b>750PPM</b>
<b>Toluene 26± 2</b>		<b>108-88-3</b>	<b>150 PPM</b>	<b>150 PPM</b>	<b>150 PPM</b>
<b>Textile Spirits 33± 2 (Primarily Hexane)</b>		<b>110-54-3</b>	<b>NA</b>	<b>50 PPM</b>	<b>50 PPM</b>

**SECTION 3 – PHYSICAL & CHEMICAL CHARACTERISTICS**

Appearance/Odor: <b>Yellow amber liquid, strong aromatic odor.</b>	Physical State: <b>Liquid</b>	Solubility in Water: <b>Insoluble, (Soluble in hydrocarbon solvents)</b>
Boiling Point: <b>131° – 288° F</b>	Specific Gravity (HO=1) <b>0.825</b>	Melting Point: <b>NA</b>
Vapor Pressure: <b>@ 20° C: 9.5-185</b>	Vapor Density (Air=1) <b>2.0-4.0</b>	Freezing Point: <b>Not Established</b>
Percent Volatiles: <b>@70° F: 78.1%</b>	Evaporation Rate: <b>Not Established</b>	Reactivity in Water: <b>NA</b>
pH (Full Strength) <b>NA</b>	pH (Recommended Dilution): <b>NA</b>	Refraction Index: <b>NA</b>

## SECTION 4- FIRE & EXPLOSION HAZARD DATA

Flash Point: <b>- 18° C TCC</b>	Flammable Limits (in air): <b>LEL: 1.0; UEL: 12.8</b>
Extinguishing Media:  <b>Water fog followed by standard fire extinguishers-course stream. Dry chemical and foam can also be used.</b>	Fire Fighting Procedures: <b>Use water spray to cool adjacent surfaces and fire exposed containers. Protect against inhalation of combustion products. Firefighters should wear full protective clothing including self-contained breathing apparatus to prevent inhalation of smoke and decomposition products. Toxic fumes and vapors may be involved.</b>
Hazardous Decomposition Products:  <b>Carbon Dioxide, Carbon Monoxide, Oxides of Nitrogen, Sulfur Dioxide, and partially burned Carbon.</b>	Special Fire & Explosion Hazards: <b>Keep work areas free from open flames, sparks, hot metal surfaces and other sources of ignition. Ground objects prone to static electricity.</b>
Method Used: <b>TCC</b>	Auto-Ignition Temperature: <b>870° F</b>

## SECTION- 5 HEALTH HAZARD DATA

Permissible Exposure Limit: <b>Not Established</b>	Signs and Symptoms of Exposure:  <b>Dizziness, nausea or vomiting. Sensitive individuals may exhibit eye, nose, throat or dermal irritation with prolonged exposure to processing fumes or vapors.</b>
Effects of Overexposure: <b>Medical Conditions Aggravated By Exposure Toxic fumes may be released during fire. Exposure to fumes may aggravate pre-existing eye, lung, and skin conditions.</b>	
Acute: <b>Irritation to eyes, lungs, and mucous membranes</b>	Chemical Listed as a Carcinogen (or Potential Carcinogen):  National Toxicology Program: <b>NO</b> L.A.R.C. Monographs: <b>NO</b> OSHA: <b>NO</b>
Chronic: <b>Excess exposure can cause CNS depression, headache, nausea, narcosis, and liver and kidney damage.</b>	
Emergency & First Aid Procedures:	
Eye Contact: <b>Flush with water and call physician</b>	
Skin Contact: <b>Clean with rubbing alcohol, followed by soap and water.</b>	
Inhalation: <b>Remove to fresh air. Administer oxygen or artificial respiration, if necessary. Call physician.</b>	
Ingestion: <b>Consult a Physician. DO NOT INDUCE VOMITING</b>	
Primary Route of Entry: <b>Inhalation.</b>	

## SECTION 6 – REACTIVITY DATA

Stability: <b>Stable at ambient temperatures and pressures</b>	Incompatibility: <b>Strong oxidizers, acids, bases.</b>
Hazardous Decomposition Products: <b>Toxic gases or vapors, such as oxides of carbon and nitrogen along with trace of HCL may be released during a fire.</b>	Hazardous Polymerization: <b>NA</b>
Conditions to Avoid: <b>Open flames and sparks. Closed areas that restrict adequate ventilation.</b>	

## SECTION 7 - SPILL OR LEAK PROCEDURES

Steps to be taken in case material is released or spilled: Small spill: <b>Absorb using inert material. Use non-sparking tools. Transfer into secure containers for proper disposal. Use personal protective equipment as outlined below.</b>
Large Spill: <b>Same as small spill.</b>
Waste Disposal Method: <b>Dispose of as a hazardous waste in accordance with EPA/RCRA regulations 40CFR261 21(a) (1) Ignitability: D001</b>

## SECTION 8 – SPECIAL PROTECTION

Respiratory Protection: <b>Use NIOSH-Certified respiratory protection for organic vapor if necessary.</b>	Eye Protection: <b>Impervious glasses recommended</b>
Protective Gloves: <b>Impervious gloves are recommended to prevent skin contact.</b>	Other Protective Equipment: <b>Under normal application conditions, protective glasses, gloves, and clothing are adequate.</b>
Ventilation: <b>Provide adequate ventilation to maintain airborne concentrations below OSHA PELs.</b>	

## SECTION 9 – SPECIAL PRECAUTIONS OR OTHER COMMENTS

Storage/Handling:

**Store in cool, dry, well ventilated facility. Store and use away from all sources of direct heat and ignition. Keep containers closed when not in use.**

Other Precautions:

**Provide adequate ventilation and avoid prolonged or repeated contact with the skin. Wash with soap and water after contact.**

Work/Hygienic Practices:

**Maintain good personal hygiene practices. Wash contaminated clothing before reuse. Do not eat, drink, or smoke in work areas. Wash exposed skin before eating, drinking, smoking, or applying cosmetics.**

## SECTION 10 - TRANSPORTATION

Regulatory Agency:

**U.S.A., DOT, IMO**

Identification Number:

**UN 1133**

Proper Shipping Name:

**Adhesives**

Labels Required:

**Flammable Liquid**

Hazard Classification:

**3**

Other Requirements:

**49 CFR 172.101 Adhesives, UN1133, IMDG Class 3.2, Pg. 3174, Flash Point -18° C**

Packing Group:

**11**

## SECTION 11 – MISCELLANEOUS INFORMATION

Additional Comments:

**None**

Date of Previous MSDS:

**August 2000**

Changes Since Previous MSDS:

**Comment change in sections: 1 thru 9  
Add sections: 10,11**

Telephone Number for Additional Information:

**(574) 293-9096**

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