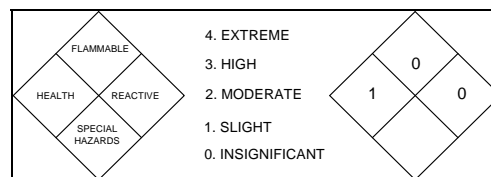


MATERIAL SAFETY DATA SHEET
ROOFING PRODUCTS INTERNATIONAL, INC.
MSDS 118 ROYAL EDGE BONDING ADHESIVE
(WATER BASED)



SECTION 1 – PRODUCT IDENTIFICATION

Product Name: Bonding Adhesive – Water Based (contact)	24 Hour Emergency Telephone Number: 800-424-9300 CHEMTREC
Chemical Name/Synonyms: Propylene Glycol Based Adhesive	Manufacturer's Name: Roofing Products International, Inc.
Chemical Family: Propylene	Manufacturer's Address: 57460 Dewitt St., Elkhart, IN 46517-1078
Chemical Formula: Not Established	NFPA Acute Hazard Rating: NA HMIS Acute Hazard Rating: Health 1, Flammability 0, Reactivity 0

SECTION 2 – CHEMICAL COMPOSITION

Ingredient Components (chemical names)	OSHA (1910.1200)	Case No.	OSHA STEL	OSHA PEL	ACGIH TLV
Propylene Glycol (less than 1% of total formula)	25265-71-8	57-55-6			
Skin-skin absorption must be considered as a route of exposure					
C-ceiling + allow. exposure level should not be exceeded for any time period					
Stel=short term exposure limit (X-SARA 313 = Chemical is subject to reporting requirements of Section 313 of Title 111 of S.A.R.A 40 CFR Part 372)					

SECTION 3 – PHYSICAL & CHEMICAL CHARACTERISTICS

Appearance/Odor: White milky liquid	Physical State: Liquid	Solubility in Water: Insoluble
Boiling Point: 212°F (100°C)	Specific Gravity (HO=1) 1.0	Melting Point: NA
Vapor Pressure: Not Established	Vapor Density (Air=1) Heavier than air	Freezing Point: Not Established
Percent Volatiles: 50%	Evaporation Rate: Slower than diethyl ether	Reactivity in Water: NA
pH (Full Strength) NA	pH (Recommended Dilution): NA	Refraction Index: NA

SECTION 4- FIRE & EXPLOSION HAZARD DATA

Flash Point: NA	Flammable Limits (in air): NA
Extinguishing Media: Water	Fire Fighting Procedures: None Known
Hazardous Decomposition Products: Burning, including when heated by welding or cutting will produce smoke, Carbon Dioxide, Carbon Monoxide.	Special Fire & Explosion Hazards: Not Established
Method Used: Not Established	Auto-Ignition Temperature: Not Established

SECTION- 5 HEALTH HAZARD DATA

Permissible Exposure Limit: 313 mm hg @ 20°C	Signs and Symptoms of Exposure: May cause respiratory irritation.
Effects of Overexposure: Medical Conditions Aggravated by Exposure: May cause transient skin irritation/eye irritation.	
Acute: May cause severe gastrointestinal irritation if swallowed.	Chemical Listed as a Carcinogen (or Potential Carcinogen): None currently known.
Chronic: None currently known.	
<p>Emergency & First Aid Procedures:</p> <p>Eye Contact: Flush with large amounts of water, lifting upper and lower lids occasionally. Continue for at least 15 minutes and call physician.</p> <p>Skin Contact: Remove contaminated clothing and wash affected area with soap and water. Obtain medical attention if irritation persists.</p> <p>Inhalation: Remove to fresh air. Administer oxygen or artificial respiration, if necessary. Call physician.</p> <p>Ingestion: If swallowed, immediately give 1 or 2 glasses of water and call a Poison Control Center, Hospital Emergency Room, or Physician for information to induce vomiting.</p> <p>Primary Route of Entry: Inhalation, skin or eye contact.</p>	

SECTION 6 – REACTIVITY DATA

Stability: Stable at ambient temperatures and pressures	Incompatibility: None known
Hazardous Decomposition Products: Smoke, carbon monoxide, and carbon dioxide.	Hazardous Polymerization: Will not occur
Conditions to Avoid: None known	

SECTION 7 - SPILL OR LEAK PROCEDURES

Steps to be taken in case material is released or spilled: Small spill: Absorb using inert material. Transfer into secure containers for proper disposal. Use personal protective equipment as outlined below.
Large Spill: Same as small spill.
Waste Disposal Method: Dispose in accordance with federal, state, and local regulations.

SECTION 8 – SPECIAL PROTECTION

Respiratory Protection: If applied by spraying, use NIOSH-Certified respiratory protection for organic vapor if necessary. Refer to OSHA 29 CFR 1910.134 “Respiratory Protection”.	Eye Protection: Wear safety glasses with side shields, Wear Face shield as necessary when spraying.
Protective Gloves: Impervious gloves are recommended to prevent skin contact.	Other Protective Equipment: Under normal application conditions, protective glasses, gloves, and clothing are adequate.
Ventilation: Natural ventilation should be adequate under normal conditions.	

SECTION 9 – SPECIAL PRECAUTIONS OR OTHER COMMENTS

Storage/Handling:

Store in cool, dry, well ventilated facility. Keep containers closed when not in use. Protect from freezing.

Other Precautions:

Provide adequate ventilation and avoid prolonged or repeated contact with the skin. Wash with soap and water after contact. Do not take internally. Close containers after each use. Keep away from children.

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:

Not Applicable

Identification Number:

Not Applicable

Proper Shipping Name:

Not Applicable

Labels Required:

Not Applicable

Hazard Classification:

Not Applicable

Other Requirements:

Not Applicable

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

DISCLAIMER

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