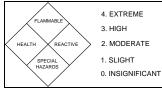
MATERIAL SAFETY DATA SHEET ROOFING PRODUCTS INTERNATIONAL, INC.

MSDS 320 ROYAL EDGE LOW VOC BONDING ADHESIVE SOLVENT BASED



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SECT	FION 1 – PROI	DUCT	IDENTIFIC	CATION									
Product Name: Royal Edge Low VOC Bonding Adhesive Solvent Based		24 Hour Emergency Telephone Number: 800-424-9300 CHEMTREC											
Chemical Name/Synonyms: Product Code: Solvent Based Adhesive BAS5GLV (5-gallon) Chemical Formula: Not Established Chemical Formula: Polychloroprene Based Adhesive		Manufacturer's Name/Address: Roofing Products International, Inc. 57460 Dewitt St., Elkhart, IN 46517-1078 NFPA Acute Hazard Rating: Health 2, Flammability 3, Reactivity 0 HMIS Acute Hazard Rating: Health 2, Flammability 3, Reactivity 0 Health 2, Flammability 3, Reactivity 0											
							SEC	CTION 2 – CHI	EMICA	L COMPO	SITION		
							Ingredient Components (chemical names) Commo Names Hazardous components 1% or greater	COMMON NAME	E	% (by wt)	CASE NO.	OSHA PEL-TWA	ACGIH TLV-TWA
							Tert-butyl Acetate	Acetic Acid		30-60	540-88-5	200 ppm	200 ppm
							Toluol	Toluene		1-6	108-88-3	200 ppm OSHA CEIL: 300 ppm	20 ppm
Acetone	Methyl Ketone		10-40	67-64-1	1000 ppm	500 ppm ACGIH STEL: 750 ppm							
Acetic Acid, Methyl Ester	Methyl Acet	tate	1-15	79-20-9	200 ppm	200 ppm ACGIH STEL: 750 ppm							
Nonhazardous as per CFR 1910.1200 None			< 58	TSCA Registered	Non Est								
SECTION 3 -	- PHYSICAL &	& CHE	MICAL CH	IARACTERIST	TICS								
Appearance/Odor:	Physical State:			Solubility in Wa	Solubility in Water:								
Yellow liquid, with a strong solvent odor.				Insoluble, 1	Insoluble, not miscible								
Boiling Point:	Specific Gravity (H ² O=1)			Melting Point:									
131°F	0899			NA	NA VOC Content:								
Vapor Pressure: @ 20° C (68° F): 175 mm Hg	Vapor Density (Air=1) Unknown				218 g/l								
Volatiles: (% Wt or % Vol)	Evaporation Rate: (Butyl Acetate=1)			0	Solids Content:								
77%	Unknown				22%								
Weight per Gallon:	pH undiluted product:				Ignition Temperature:								
7.45 +- 0.15 lb/gal	Unknown			869° F	869° F								

SECTION 4- FIRE & EXPLOSION HAZARD DATA						
Flash Point:	Flammable Limits (in air):					
 - 19° C, 2° F Extinguishing Media: Water fog followed by standard fire extinguishers-course stream. Dry chemical, carbon dioxide, and foam can also be used along with vaporizing liquid type agents. Water should be used to keep fire-exposed containers cool and to protect firefighters attempting to stop a leak/spill or extinguish a fire. Hazardous Decomposition Products: Carbon Dioxide, Carbon Monoxide, Oxides of Nitrogen, Sulfur Dioxide, and Hydrogen Chloride, (thermal 	LEL: 2.6 Vol %; UEL: 13 Vol % Fire Fighting Procedures:					
degradation products). Method Used:	explosive air/vapor mixtures are possible. Keep work areas free from open flames, sparks, hot metal surfaces and other sources of ignition. Ground objects prone to static electricity.					
Not Known						
Auto-Ignition Temperature: This product is not self-igniting.						
SECTION- 5 HEAL	TH HAZARD DATA					
Permissible Exposure Limit: Not Established Effects of Overexposure: Medical Conditions Aggravated By Exposure	Signs and Symptoms of Exposure: Dizziness, nausea or vomiting. Sensitive individuals may exhibit eye, nose, throat or dermal irritation with prolonged exposure to processing fumes or vapors.					
Toxic fumes may be released during fire. Exposure to fumes may aggravate pre-existing eye, lung, and skin conditions. Acute Toxicity: 108-88-3 Toluene	Chemical Listed as a Carcinogen (or Potential Carcinogen): Toluene is listed by IARC as a class 3, unclassifiable as to carinogenicity in humans.					
OralLD505000 mg/kg (ratDermalLD501214 mg/kg (rabbit)InhalativeLC50/4 h5320 mg/l (mouse)	Chronic: Excess exposure can cause CNS depression, headache, nausea, narcosis, and liver and kidney damage.					
Emergency & First Aid Procedures: Eye Contact: Flush with water and call physician Skin Contact: Clean with rubbing alcohol, followed by soap and water.	Inhalation: Remove to fresh air. Administer oxygen or artificial Respiration, if necessary. Call a physician.					
Primary Irritant: to eyes: Irritating effect to skin: Irritant to skin and mucous membranes	Ingestion: Consult a physician. DO NOT INDUCE VOMITING Primary Route of Entry: Inhalation .					
SECTION 6 – REACTIVITY DATA						
Stability: Stable at ambient temperatures and pressures Hazardous Decomposition Products: Toxic gases or vapors, such as oxides of carbon and nitrogen along with trace of HCL may be released during a fire	Incompatibility: Strong oxidizers, acids, bases. Hazardous Polymerization: NA					
a fire. Conditions to Avoid: Open flames and sparks. Closed areas that restrict adequate ventilation. Toxic to fish. Do not contaminate ground water, water course, or sewage systems. Toxic to aquatic life.						

SECTION 7 – SPILL OR LEAK PROCEDURES

Steps to be taken in case material is released or spilled:

Small spill: Absorb using inert material. Use non-sparking tools. Transfer into secure containers for proper disposal. Use personal protective equipment as outlined below.

Large Spill:

Same as small spill.

Waste Disposal Method:

Dispose of as a hazardous waste in accordance with EPA/RCRA regulations 40CFR261 21(a) (1) Ignitability: D001

SECTION 8 – SPECIAL PROTECTION

Respiratory Protection: Use NIOSH-Certified respiratory protection for organic vapor if necessary.	Eye Protection: Impervious glasses recommended
Protective Gloves:	Other Protective Equipment:
Impervious gloves are recommended to prevent skin	Under normal application conditions, protective glasses,
contact.	gloves, and clothing are adequate.

Ventilation:

Provide adequate ventilation to maintain airborne concentrations below OSHA PELs.

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	Labels Required: Flammable Liquid		Proper Shipping Name: Adhesives			
Hazard Classification:	Packing Group:	Other Requirements:					
3	II	None Known					
SECTION 11 – MISCELLANEOUS INFORMATION							
Date of Previous MSDS: None	Telephone Number for Additional Information: (574) 293-9096		Changes Since Previous MSDS: NONE: New product				
Additional Information:							
VOC Rule 1168 for OTC: 215 gm/l							
VOC: 52 gm/l							
DISCLAIMER							
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