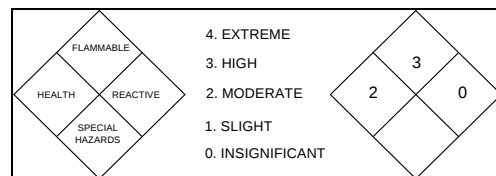


MATERIAL SAFETY DATA SHEET

ROOFING PRODUCTS INTERNATIONAL, INC.

MSDS 105 ROYAL EDGE SEAM TAPE PRIMER



SECTION 1 – PRODUCT IDENTIFICATION

Product Name: Primer (Seam Tape)	24 Hour Emergency Telephone Number: 800-424-9300 CHEMTREC
Chemical Name/Synonyms: Butyl Rubber Adhesive	Manufacturer's Name: Roofing Products International, Inc.
Chemical Family: Mixture	Manufacturer's Address: 57460 Dewitt St., Elkhart, IN 46517-1078
Chemical Formula: Not Established	NFPA Acute Hazard Rating: Health 2, Flammability 3, Reactivity 0 HMIS Acute Hazard Rating: Health 2, Flammability 3, Reactivity 0

SECTION 2 – CHEMICAL COMPOSITION

Ingredient Components (chemical names)	OSHA (1910. 1200)	Case No.	OSHA STEL	OSHA PEL	ACGIH TLV
Heptane		142-82-5	TLV 500 PPM	500PPM	400PPM
Toluene		108-88-3	Ceiling 300PPM	200PPM	osha tlv 50PPM
Methyl Alcohol		67-56-1	ACGIH 250PPM	200PPM	200PPM
Nonhazardous as per 29 CFR 1910. 1200.		None	None Established		

SECTION 3 – PHYSICAL & CHEMICAL CHARACTERISTICS

Appearance/Odor: Thin clear liquid, aliphatic odor	Physical State: Liquid	Solubility in Water: Insoluble
Boiling Point: 151° – 284° F	Specific Gravity (HO=1) 0.793 (Water=1)	Melting Point: NA
Vapor Pressure: 36 mm Hg@ 20° C	Vapor Density (Air=1) 3.0-3.7	Freezing Point: Not Established
Percent Volatiles: 83 %	Evaporation Rate: Unknown	Reactivity in Water: Not Established
pH (Full Strength) Not Established	pH (Recommended Dilution): Not Established	Refraction Index: NA

SECTION 4- FIRE & EXPLOSION HAZARD DATA

Flash Point: 25° F TCC	Flammable Limits (in air): LEL: 1.1%; UEL: 7%
Extinguishing Media: Dry chemical, carbon dioxide, water fog or foam. Water should be used to keep fire exposed containers cool.	Fire Fighting Procedures: 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.
Hazardous Decomposition Products: Carbon Dioxide, Carbon Monoxide, acrid smoke and irritating fumes.	
Method Used: Estimate based on the flash point of the most volatile component.	
Auto-Ignition Temperature: Not Established	Special Fire & Explosion Hazards: Flammable liquid. Vapors are heavier than air and can flow along surfaces to ignition sources and flash-back. Keep work areas free from open flames, sparks, hot metal surfaces and other sources of ignition. Ground objects prone to static electricity.

SECTION- 5 HEALTH HAZARD DATA

Permissible Exposure Limit: Not Established	Signs and Symptoms of Exposure: Eye contact may cause severe eye irritation, redness, tearing and blurred vision. Prolonged skin contact may cause irritation, dermatitis and drying of the skin. Other symptoms are dizziness, nausea or vomiting. Sensitive individuals may exhibit eye, nose, throat or dermal irritation with prolonged exposure to processing fumes or vapors. Inhalation may cause respiratory system irritation and central nervous system depression (Narcosis) fatigue. May cause unconsciousness if exposure is excessive. Brief (4 minutes) exposures to heptane at concentrations above 5000 ppm produce nausea, loss of appetite, and a gasoline-like taste that might persist hours after exposure.	
Effects of Overexposure: Medical Conditions Aggravated By Exposure. Toxic fumes may be released during fire. Exposure to fumes may aggravate pre-existing eye, lung, and skin conditions.		
Acute: Irritation to eyes, lungs, and mucous membranes	Chemical Listed as a Carcinogen (or Potential Carcinogen): National Toxicology Program: NO L.A.R.C. Monographs: NO OSHA: NO	
Chronic: Excess exposure can cause CNS depression, headache, nausea, narcosis, and liver and kidney damage.		
Acute Oral LD50 >8 ML/KG (Rat)	Acute Dermal LD50 >4 ML/KG (Rat)	Acute Inhalation LC50 3400 PPM/4H (Rat)
Emergency & First Aid Procedures: Eye Contact: Hold eyes open and flush immediately with a gentle stream of water for at least 15 minutes, preferable at an eyewash fountain. Call physician Skin Contact: Clean with rubbing alcohol, followed immediately by washing affected area with soap and water. Inhalation: Remove to fresh uncontaminated air. Administer oxygen or artificial respiration, if necessary. Call physician. Ingestion: Consult a Physician. DO NOT INDUCE VOMITING Primary Route of Entry: Inhalation, skin absorption.		

SECTION 6 – REACTIVITY DATA

Stability:

Stable at ambient temperatures and pressures

Incompatibility:

Strong oxidizers, acids, bases.

Hazardous Decomposition Products:

Partial combustion may release toxic gases or vapors, such as oxides of carbon and nitrogen along with traces of HCL.

Hazardous Polymerization:

NA

Conditions to Avoid:

Open flames, sparks, and closed areas that restrict adequate ventilation.

SECTION 7 - SPILL OR LEAK PROCEDURES

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

Small spill:

Shut off and eliminate all ignition sources. Recover released product using inert materials such as sand, earth, or other suitable materials. Minimize skin contact. Use non-sparking tools. Ventilate confined spaces. Keep product clear of sewers, water, or extensive land areas. Assure conformity with applicable government regulations. Transfer into secure containers for proper disposal. Avoid static electricity build-up by grounding a fixed equipment and transfer containers. 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:

In areas with inadequate ventilation, the use of a NIOSH-Certified respiratory protection for organic vapor is recommended.

Eye Protection:

Impervious glasses recommended

Protective Gloves:

Polyvinyl alcohol, nitrile rubber, or neoprene gloves are recommended to prevent skin contact.

Other Protective Equipment:

Under normal application conditions, protective glasses, 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 sparks, direct heat and ignition. Keep containers closed when not in use. Vapors of this material are heavier than air and will collect in low or confined areas. Empty containers can contain explosive vapors. Bond and ground all fixed and transfer equipment.

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

Identification Number:

UN1133

Proper Shipping Name:

Adhesive

Labels Required:

Flammable Liquid

Hazard Classification:

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Other Requirements:

None Known

Packing Group:

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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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