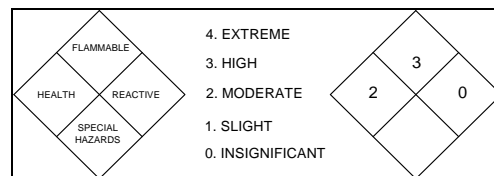


**MATERIAL SAFETY DATA SHEET**  
**ROOFING PRODUCTS INTERNATIONAL, INC.**  
**MSDS 114 ROYAL EDGE MEMBRANE CLEANER**



**SECTION 1 – PRODUCT IDENTIFICATION**

Product Name: <b>Membrane Cleaner</b>	24 Hour Emergency Telephone Number: <b>800-424-9300 CHEMTREC</b>
Chemical Name/Synonyms: <b>Solvent Naphtha (Petroleum), Light Aliphatic</b>	Manufacturer's Name: <b>Roofing Products International, Inc.</b>
Chemical Family: <b>Hydrocarbon Solvent</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 3, Reactivity 0</b>

**SECTION 2 – CHEMICAL COMPOSITION**

Ingredient Components (chemical names)	OSHA (1910.1200)	Case No.	% (by weight)	Exposure Limits:
<b>Aliphatic Petroleum Distillates</b>	<b>Naptha</b>	<b>64742-89-8</b>	<b>100</b>	<b>Pel 500 ppm</b> <b>TLV 300 ppm</b> <b>(based on TLV for VM &amp; P Naptha).</b>

**SECTION 3 – PHYSICAL & CHEMICAL CHARACTERISTICS**

Appearance/Odor: <b>Thin clear liquid, aliphatic odor</b>	Physical State: <b>Liquid</b>	Solubility in Water: <b>Negligible</b>
Boiling Point: <b>247° – 282° F</b>	Specific Gravity (HO=1) <b>0.715-0.791</b>	Melting Point: <b>NA</b>
Vapor Pressure: <b>@ 100° F: 26.0 mm Hg</b>	Vapor Density (Air=1) <b>3.8</b>	Freezing Point: <b>Not Established</b>
Percent Volatiles: <b>100 %</b>	Evaporation Rate: <b>Benzene: &lt;.01% Butyl Acetate =1: 1.2.</b>	Reactivity in Water: <b>NA</b>
pH (Full Strength) <b>Not Established</b>	pH (Recommended Dilution): <b>Not Established</b>	Refraction Index: <b>NA</b>

## SECTION 4- FIRE & EXPLOSION HAZARD DATA

Flash Point: <b>55° F TCC</b>	Flammable Limits (in air): <b>LEL: 1.0%; UEL: 7%</b>
Extinguishing Media: <b>Dry chemical, carbon dioxide, water fog or foam. Do not use a direct water stream. Product will float and can re-ignite.</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, acrid smoke and irritating fumes.</b>	Special Fire & Explosion Hazards: <b>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.</b>
Method Used: <b>TCC</b>	Auto-Ignition Temperature: <b>Not Established</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):
Chronic: <b>Excess exposure can cause CNS depression, headache, nausea, narcosis, and liver and kidney damage.</b>	National Toxicology Program: <b>NO</b> L.A.R.C. Monographs: <b>NO</b> OSHA: <b>NO</b>
Acute Oral LD50 <b>&gt;8 ML/KG (Rat)</b>	Acute Dermal LD50 <b>&gt;4 ML/KG (Rat)</b>
	Acute Inhalation LC50 <b>3400 PPM/4H (Rat)</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:  
**Stable at ambient temperatures and pressures**

Incompatibility:  
**Strong oxidizers, acids, bases.**

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.**

Hazardous Polymerization:  
**NA**

Conditions to Avoid:  
**Open flames and sparks. 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:

**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 safety glasses with side shields recommended.**

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:

**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: <b>U.S.A., DOT, IMO</b>	Identification Number: <b>UN 1268</b>
Proper Shipping Name: <b>Petroleum Distillates, N.O.S.</b>	Labels Required: <b>Flammable Liquid</b>
Hazard Classification: <b>3</b>	Other Requirements: <b>49 CFR 172.101 Adhesives, UN1268, IMDG Class 3.2, Pg. 3271, Flash Point -13° C</b>
Packing Group: <b>11</b>	

### SECTION 11 – MISCELLANEOUS INFORMATION

Additional Comments: <b>None</b>
Date of Previous MSDS: <b>August 2000</b>
Changes Since Previous MSDS: <b>Comment change in sections: 1 thru 9 Add sections: 10,11</b>
Telephone Number for Additional Information: <b>(574) 293-9096</b>

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