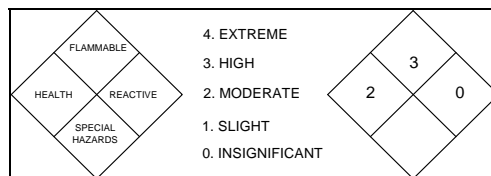


MATERIAL SAFETY DATA SHEET
ROOFING PRODUCTS INTERNATIONAL, INC.
MSDS 111 ROYAL EDGE WATER CUT-OFF MASTIC



SECTION 1 – PRODUCT IDENTIFICATION

Product Name: Water Cut-Off Mastic	24 Hour Emergency Telephone Number: 800-424-9300 CHEMTREC
Chemical Name/Synonyms: None	Manufacturer's Name: Roofing Products International, Inc.
Chemical Family: Mixture	Manufacturer's Address: 57460 Dewitt St., Elkhart, IN 46517-1078
Chemical Formula: NA	NFPA Acute Hazard Rating: Health 1, Flammability 3, Reactivity 0 HMIS Acute Hazard Rating: Health 2, Flammability 3, Reactivity 0

SECTION 2 – CHEMICAL COMPOSITION

Ingredient Components (chemical names)	Common Name	Case No.	% wt or % vol	OSHA STEL	OSHA PEL	ACGIH TLV
Heptane	None	142-82-5	14	500PPM	500PPM	400PPM
Calcium Carbonate	Limestone	1317-65-3	<3		5 mg/m³ (Respirable) 15 mg/m³ (Total)	2 mg/m³ (Respirable)
Kaolin	Clay	1332-58-7	>3		5 mg/m³ (Respirable) 15 mg/m³ (Total)	2 mg/m³ (Respirable)
Non-hazardous as per 29 CFR 1910.1200	None	EPA TSCA	<82		None Established	

SECTION 3 – PHYSICAL & CHEMICAL CHARACTERISTICS

Appearance/Odor: Grey viscous paste, aliphatic odor	Physical State: Paste	Solubility in Water: Insoluble
Boiling Point: 200°F	Specific Gravity (Water=1) 1.33	Melting Point: NA
Vapor Pressure: 45mm Hg @20°C	Vapor Density (Air=1) 3.4 (Air=1)	Freezing Point: Not Established
Percent Volatiles: 25.5%	Evaporation Rate: 4.5 (Butyl Acetate=1)	Reactivity in Water: NA
pH (Full Strength) Not Established	pH (Recommended Dilution): Not Established	Refraction Index: NA

SECTION 4- FIRE & EXPLOSION HAZARD DATA

Flash Point: 14°F	Flammable Limits (in air) LEL 1.0% UEL 7.0%
Extinguishing Media: Carbon Dioxide, foam, sand/earth. Dry chemical and foam can also be used. Do not use direct stream of water. Product will float and re-ignite on surface.	Fire Fighting Procedures: 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. Use water spray to cool adjacent surfaces and fire-exposed containers only. Protect against inhalation of combustion products.
Method Used: TCC	Auto-Ignition Temperature: Unknown
Hazardous Decomposition Products: Carbon Dioxide, Carbon Monoxide, Oxides of Nitrogen, and Sulfur Dioxide.	Special Fire & Explosion Hazards: Cool heated containers with water stream. Keep away from open flames and sparks. Heated containers may explode. Fumes may settle in low areas and explode.

SECTION- 5 HEALTH HAZARD DATA

Permissible Exposure Limit: Not Established	Signs and Symptoms of Exposure: Sensitive individuals may exhibit eye, nose, throat or dermal irritation with prolonged exposure to processing fumes or vapors. Eye contact may cause irritation, redness, tearing and blurred vision. Prolonged contact may cause dermatitis and drying of the skin.
Effects of Overexposure: Pre-existing lung, skin, eye, pulmonary or nervous conditions, may be aggravated by exposure to this product. Exposure to fumes may aggravate pre-existing eye, lung, and skin conditions.	Carcinogenicity: Silica, Crystalline Quartz is classified as known to be a human carcinogen by NTP and an IARC Class 1 Carcinogen.
Acute: Inhalation may cause respiratory system irritation and central nervous system depression characterized by headache, dizziness, muscular weakness and fatigue. May cause unconsciousness if exposure is excessive.	

Emergency & First Aid Procedures:

Eye Contact: **Flush with water for 15 minutes. Contact physician.**

Skin Contact:

Clean with rubbing alcohol followed immediately by washing with soap and water.

Inhalation:

Remove to fresh air and administer oxygen if breathing is labored.

Give artificial respiration if breathing is stopped.

Seek immediate medical attention if oxygen or artificial respiration is administered.

Ingestion:

Do not induce vomiting. Consult and inform a physician of the incident and the type and nature of the material.

Primary Route of Entry:

Inhalation, skin.

SECTION 6 – REACTIVITY DATA

Stability:

Stable at ambient temperatures and pressures.

Incompatibility:

Strong oxidizers, acids and bases.

Hazardous Decomposition Products:

Toxic gases or vapors, such as carbon monoxide, carbon dioxide and other decomposition products may be released during a fire.

Hazardous Polymerization:

Will not occur

Conditions to Avoid:

Open flames, sparks, static electricity, and welding arcs.

SECTION 7 - SPILL OR LEAK PROCEDURES

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

Small spill:

Remove ignition sources. Absorb on inert material. Use non-sparking tools, scoop or shovel material into secure containers proper disposal. Use personal protective equipment as outlined below.

Large Spill:

Same as small spill.

Waste Disposal Method:

As a hazardous waste in accordance with EPA/RCRA regulations 40 CFR 261.21 (a) (1). Ignitability: D001.

SECTION 8 – SPECIAL PROTECTION

Respiratory Protection:

Approved OSHA organic vapor mask.

Eye Protection:

Safety glasses recommended.

Protective Gloves:

Impervious gloves are recommended to prevent skin contact. Neoprene, Viton.

Other Protective Equipment:

None required under normal installation conditions.

Ventilation:

Store and use in well ventilated areas. Anticipated use for outdoors only. Local exhaust ventilation is recommended to minimize any vapor exposure.

SECTION 9 – SPECIAL PRECAUTIONS OR OTHER COMMENTS

Storage/Handling:

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

Other Precautions:

Store material in original shipping packaging.

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:

UN1133

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 11°C.

SECTION 11 – MISCELLANEOUS INFORMATION

Additional Comments:

Under conditions of normal use, the crystalline silica contained in this product is a completely incorporated component, and therefore, should not represent an inhalation hazard.

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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