

MATERIAL SAFETY DATA SHEET

BarrierPro Roof Primer

Section 1: PRODUCT AND COMPANY IDENTIFICATION

Product Name: BarrierPro Roof Primer

Product Number: BPRO.189, BPRO.50G

Product Use: Waterproof Primer for Tar & Gravel Roofing

Manufacturer: Polycoatings International Div. Of Realsit Corporation
324 Saunders Road, Unit 7 & 8, Barrie, Ontario, Canada L4N 9Y2

Phone Number: (877) 434-1658

Emergency Phone: Canutec (613) 996-6666
Chemtrec (800) 424-9300

Date of Preparation: January 16, 2009

Section 2: HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

CAUTION! Direct skin and eye contact may cause irritation. Ingestion may cause gastric distress. Inhalation may cause irritation to the respiratory tract.

Potential Health Effects: See Section 11 for more information.

Likely Routes of Exposure: Skin contact, skin absorption, eye contact, inhalation, ingestion

Eye: May cause eye irritation (burning, tearing, redness or swelling).

Skin: None expected, however, prolonged contact may cause irritation.

Ingestion: Stomach upset, cramps, constipation

Inhalation: None expected, however certain individuals may experience minor nausea or headaches.

Chronic Effects: None known.

Signs and Symptoms: Redness of the eye and skin.

Medical Conditions Aggravated By Exposure: Allergies

Target Organs: Skin, eyes

MATERIAL SAFETY DATA SHEET

BarrierPro Roof Primer

Potential Environmental Effects: None known

Section 3: COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient	CAS#	WT. %
Calcium Carbonate	1317-65-3	8-12
Styrene-Butadiene Polymer	Proprietary	70-90

Section 4: FIRST AID MEASURES

Eye Contact: In case of contact, hold eyelids apart and immediately flush eyes with plenty of water for at least 15 minutes. DO NOT use eye ointment. Get medical attention immediately if irritation develops and persists.

Skin Contact: Remove contaminated clothing and shoes. Wash affected areas with soap and water.

Inhalation: Remove the person from the contaminated area to fresh air. If breathing is difficult, give oxygen. Contact a physician if symptoms develop.

Ingestion: Get medical attention immediately. DO NOT INDUCE VOMITING. Never give anything by mouth to an unconscious victim.

General Advice:

Note to Physicians:

Section 5: FIRE FIGHTING MEASURES

Flammability: Product is not considered flammable or combustible.

Means of Extinction:

Suitable Extinguishing Media: Carbon dioxide, water, water fog, dry chemical, chemical foam.

Unsuitable Extinguishing Media: None known

Products of Combustion: Products of combustion include compounds of carbon, hydrogen, oxygen, aluminum and zinc, including carbon monoxide.

Explosion Data: Not applicable

Sensitivity to Mechanical Impact: None

Sensitivity to Static Discharge: None

MATERIAL SAFETY DATA SHEET

BarrierPro Roof Primer

Protection of Firefighters: Keep containers cool with water spray to prevent container rupture due to steam build-up; floor will become slippery if material is released. Firefighters should wear self-contained breathing apparatus and full protective gear.

Section 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions: Avoid skin contact as cured material is extremely difficult to remove. Do not breathe fumes, vapour or spray. In case of insufficient ventilation, wear MSHA/NIOSH approved respirator.

Environmental Precautions:

Methods for Containment: Contain and/or absorb spill with inert material (e.g. sand, vermiculite). Collect and dispose in accordance with applicable regulations.

Methods for Clean-Up: Contain and/or absorb spill with inert material (e.g. sand, vermiculite). Collect and dispose in accordance with applicable regulations.

Other Information:

Section 7: HANDLING & STORAGE

Handling: Keep containers tightly closed. Store in a cool, dry, well-ventilated area. Protect from physical damage. Protect from extreme temperatures. Keep out of reach of children.

Storage: Keep containers tightly closed. Store in a cool, dry, well-ventilated area. Protect from physical damage. Protect from extreme temperatures. Keep out of reach of children.

Section 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE GUIDELINES

Ingredient

Calcium Carbonate

Exposure Limits

ACGIH-TLV

Inhalable dust 10 mg/m³

Engineering Controls: Use with adequate general and local exhaust ventilation. When used outdoors, stay well away from building air intakes or close and seal the intakes to prevent product from entering building.

Personal Protective Equipment:

Eye/Face Protection: Safety glasses with side shields or goggles recommended.

Hand Protection: Use with chemical-protective gloves to prevent skin contact

Skin and Body Protection: Use with chemical-protective gloves to prevent skin contact

Respiratory Protection: Use a MSHA/NIOSH approved respirator, particularly in enclosed environments.

MATERIAL SAFETY DATA SHEET

BarrierPro Roof Primer

General Hygiene Considerations:

Section 9: PHYSICAL AND CHEMICAL PROPERTIES
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Appearance: Smooth, creamy liquid

Colour: Grey

Odour: Paint-like odour

Odour Threshold: Not available

Physical State: Liquid

pH: 8.5 – 9.5

Viscosity: 15,000 – 23,000 cP

Freezing Point: -1°C (30.2°F)

Boiling Point: 100°C (212°F)

Flash Point: 100°C (212°F)

Evaporation Rate: <1

Lower Flammability Limit: Not available

Upper Flammability Limit: Not available

Vapour Pressure: 17.535 mm of Hg @ 20°C

Vapour Density: Greater than air

Specific Gravity: 1.28

Solubility in Water: Easily soluble in water

Coefficient of Water/Oil Distribution: Not available

Auto Ignition Temperature: Not applicable

Percent Volatile, wt. %: 49 -51 (w/w)

VOC content, wt. %: 67.8 g/l

MATERIAL SAFETY DATA SHEET

BarrierPro Roof Primer

Section 10: STABILITY AND REACTIVITY

Stability: Stable

Conditions of Reactivity: None

Incompatible Materials: Strong oxidizers

Hazardous Decomposition Products: Decomposition will not occur if handled and stored properly.

Possibility of Hazardous Reactions: Will not occur.

Section 11: TOXICOLOGY INFORMATION

EFFECTS OF ACUTE EXPOSURE

Component Analysis

Ingredient	LD50 (oral)	LC50
Calcium Carbonate	Rat 6450 mg/kg	

EFFECTS OF CHRONIC EXPOSURE

Target Organs: None known

Chronic Effects: This product is an encapsulated mixture which reduces the likelihood of exposure to hazardous particulates.

Carcinogenicity: IARC has concluded that the following chemicals in this product are probably not carcinogenic to humans (4) calcium carbonate

Section 12: ECOLOGICAL INFORMATION

Ecotoxicity: Not available

Persistence / Degradability: Not available

Bioaccumulation / Accumulation: Not available

Mobility in Environment: Not available

Section 13: DISPOSAL CONSIDERATIONS

Disposal Instructions: Dispose in accordance with applicable federal, provincial, state and local government regulations.

MATERIAL SAFETY DATA SHEET

BarrierPro Roof Primer

Section 14: TRANSPORTATION INFORMATION

TDG Classification: Not Restricted

Section 15: REGULATORY INFORMATION

Federal Regulations

Canadian: Not controlled under WHMIS

Ingredient s – Canadian Regulatory Information

HMIS – Hazardous Materials Identification System

Health - 1 Flammability – 0 Reactivity - 0

NFPA – National Fire Protection Association

Health - 1 Fire - 0 Reactivity - 0

Hazard Rating: 0 = minimal, 1 = slight, 2 = moderate, 3 = severe, 4 = extreme

WHMIS Classifications:

WHMIS Hazard Symbols:

SOURCE AGENCY CARCINOGEN CLASSIFICATIONS:

OSHA (O) Occupational Safety and Health Administration

ACGIH (G) American Conference of Governmental Industrial Hygienists

A1 – Confirmed human carcinogen

A2 – Suspected human carcinogen

A3 – Animal Carcinogen

A4 – Not Classifiable as a human carcinogen

A5 – Not suspected as a human carcinogen

IARC (1) International Agency for Research on Cancer

1 – The agent (mixture) is carcinogenic to humans

2A – The agent (mixture) is probably carcinogenic to humans: there is limited evidence of carcinogenicity in humans and sufficient evidence of carcinogenicity in experimental animals.

2B – The agent (mixture) is possibly carcinogenic to humans; there is limited evidence of carcinogenicity in humans and sufficient evidence of carcinogenicity in experimental animals.

3 – The agent (mixture, exposure circumstance) is not classifiable as to its carcinogenicity to humans.

4 – The agent (mixture, exposure circumstance) is probably not carcinogenic to humans.

NTP (N) National Toxicology Program

1 – Known to be carcinogens.

2 – Reasonably anticipated to be carcinogens.

Section 16: OTHER INFORMATION

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BarrierPro Roof Primer

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POLYCOATINGS INTERNATIONAL DIVISION OF REALSIT CORPORATION

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