

Cove and Cornice

MSDS#: ProRoc 007

WHMIS	Protective Clothing	TDG Road / Rail
 Not Controlled		 Not Regulated

SECTION 1: PRODUCT AND COMPANY INFORMATION

PRODUCT NAMES:	Cove and Cornice
PRODUCT USE:	Interior wall-ceiling joint moulding for room décor finishing
MSDS RECORD #:	ProRoc 007
CHEMICAL NAME:	Calcium sulphate dihydrate CAS 10101-41-4
SYNONYMS:	Wall-Ceiling Moulding, Cove, Cornice
CHEMICAL FAMILY:	Calcium sulphate
CHEMICAL FORMULA:	CaSO ₄ ·2H ₂ O
WHMIS CLASSIFICATION:	Not controlled (considered a manufactured article)
TDG CLASSIFICATION:	Not regulated
MANUFACTURER:	BPB Canada Inc. 2424 Lakeshore Road West, Mississauga, Ontario, Canada L5J 1K4 Telephone: (905) 823-9881 Fax: (905) 823-4860 Web Site: www.bpb-na.com
OTHER:	In case of an emergency call 1-800-327-7455 (24 hrs)

SECTION 2: COMPOSITION AND INGREDIENT INFORMATION

Chemical Name	CAS No.	Wt. %
Crystalline silica (Quartz)	14808-60-7	0 – 0.1

Note: See Section 6 of this MSDS for exposure limit data for ingredients.

SECTION 3: PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE:	Solid
APPEARANCE:	Cove and Cornice mouldings and steps in 8-foot sheets, consisting of a gypsum core encased in a paper liner. Paper liners may be flat white or ivory in colour. The gypsum core is white/grey in colour.
pH:	7 – 9 (approximate)
SPECIFIC GRAVITY: (Water = 1)	2.30 – 2.37 (gypsum core)
BOILING POINT:	Not applicable
FREEZING POINT:	Not applicable
VISCOSITY:	Not applicable
VAPOR PRESSURE: (mm Hg @ 20°C)	Not applicable
VAPOR DENSITY: (Air = 1)	Not applicable
SOLUBILITY IN WATER:	0.2% (approximate)
WATER / OIL DISTRIBUTION COEFFICIENT:	Not available
ODOUR TYPE:	Odourless
ODOUR THRESHOLD:	Not applicable
EVAPORATION RATE: (n-Butyl Acetate = 1)	Not applicable



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SECTION 4: FIRE FIGHTING MEASURES

FLASH POINT AND METHOD (°C):

Not available.

CONDITIONS OF FLAMMABILITY:

Paper liners are combustible at various temperatures. Gypsum core is non-combustible and does not support combustion.

FLAMMABILITY LIMITS (%):

Not applicable

AUTO IGNITION TEMPERATURE (°C):

Not applicable

EXTINGUISHING MEDIA:

Use extinguishing media appropriate for the surrounding fire.

UNUSUAL FIRE AND EXPLOSION HAZARDS:

Not applicable

EXPLOSION DATA: SENSITIVITY TO MECHANICAL IMPACT:

Not applicable

EXPLOSION DATA: SENSITIVITY TO STATIC DISCHARGE:

Not applicable

FIRE FIGHTING INSTRUCTIONS:

Not available

HAZARDOUS COMBUSTION PRODUCTS:

At very high temperatures (>1450°C), calcium sulphate may produce SO_x

SECTION 5: STABILITY AND REACTIVITY

STABILITY:

Stable

INCOMPATIBLE MATERIALS AND CONDITIONS TO AVOID:

Gypsum is a stable, unreactive material under normal workplace conditions. Hazardous reactions may occur with some highly reactive materials or at high temperatures.

HAZARDOUS DECOMPOSITION PRODUCTS:

None known

Calcium sulphate dehydrates at temperatures above 128°C to form calcined gypsum. At temperatures above 163°C, calcined gypsum will boil off additional water to form calcium sulphate anhydrite, a completely stable salt.

HAZARDOUS POLYMERIZATION:

Will not occur

SECTION 6: TOXICOLOGICAL INFORMATION

ACUTE EFFECTS:

Working with the product can generate dusts which can have an irritant action on nasal or bronchial passages and on the eyes.

Eyes: In general, the dust is not expected to be irritating except as a "foreign object". Some tearing, blinking and mild temporary pain may occur as the solid material is rinsed from the eye by tears.

Skin: Product is not expected to be irritating to the skin.

Inhalation: Short-term inhalation of dust can cause mechanical irritation of the mucous membranes and upper respiratory tract with symptoms, such as shortness of breath and sneezing. High concentrations of dust may cause coughing and mild, temporary irritation following a short-term exposure.

Ingestion: Not a likely route of exposure. If ingested product may form an obstruction in the digestive tract.

CHRONIC EFFECTS:

INHALATION: Heavy prolonged industrial exposure to high airborne concentrations of gypsum dust may cause impaired lung function. Chronic bronchitis and respiratory tract lesions have also been reported with high level exposures.

Crystalline Silica, contained in this product in trace amounts is a known human carcinogen by inhalation. Long-term inhalation of dusts may cause silicosis or cancer.

SENSITIZATION EFFECTS:

Not available

IRRITANCY:

May cause mechanical irritation of the eyes, skin and respiratory system due to abrasion.

MUTAGENICITY:

Some mutagenicity for exposure to Crystalline silica has been reported in test organisms.

TERATOGENICITY:

None reported

REPRODUCTIVE EFFECTS:

None reported

SYNERGISTIC PRODUCTS:

Tobacco smoking in conjunction with long-term high dust exposures may increase both smoking and dust-related pulmonary health problems.



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CARCINOGENICITY:

Ingredient	ACGIH	IARC	NTP
Crystalline silica (Quartz)	A2	Group 1	Known

DESCRIPTION OF CARCINOGENICITY DESIGNATIONS:

ACGIH (American Conference of Governmental Industrial Hygienists):

A2: Suspected human carcinogen

IARC (International Agency for Research on Cancer):

Group 1: The agent is carcinogenic to humans

NTP (National Toxicity Program):

Known – Known to be a human carcinogen

TOXICITY:

Ingredient	LD ₅₀ Oral (mg/kg)	LD ₅₀ Dermal (mg/kg)	LC ₅₀ Inhalation (ppm, 4 hrs.)
Crystalline silica (Quartz)	Not available	Not available	Not available

EXPOSURE VALUES

Ingredient	ACGIH TLV (8-hr. TWA) (mg/m ³)	OSHA PEL (8-hr. TWA) (mg/m ³)	Ontario TWA _{EV} (mg/m ³)
Crystalline silica (Quartz)	0.05 (Respirable fraction)	0.1 (Silica, crystalline quartz, respirable dust)	0.1 (Silica, fused, respirable)
Total Dust	10	15	10 Airborne Total Dust

SECTION 7: PREVENTATIVE MEASURES

SPILL PROCEDURES:

Scrape, sweep or vacuum up, keeping dust generation to a minimum. If vacuuming dusts, use a vacuum capable of filtering respirable dusts.

PROTECTIVE EQUIPMENT

Eyes:	No specific requirements but safety glasses are recommended when handling wallboard.
Skin:	The uses of gloves and safety shoes or boots while handling wallboard are recommended.
Respirator:	Wearing a NIOSH approved dust mask is recommended when total dust concentration exceeds 10 mg/m ³ . At higher concentrations wear a full face cartridge respirator with a dust filter or a positive pressure respirator.

ENGINEERING CONTROLS:

Local exhaust ventilation at point of dust generation is recommended to keep particle counts below exposure limits. General ventilation may help to reduce airborne dust.

STORAGE REQUIREMENTS:

Boards should be stored flat and evenly supported to prevent warping. Boards should be protected from excessive moisture.

WORK/HYGIENIC PRACTICES:

Product should be handled in a manner which minimizes air-borne dust generation.

Lifts (full or partial) should be moved by forklift truck or crane with forks or slings set so that the load is centered, supported and stable. Individual boards should be carried vertically to prevent damage.

WASTE DISPOSAL:

Dispose in landfill in accordance with all applicable regulations. Any disposal practice must be in compliance with local, provincial, state and federal laws and regulations.

Many areas now have recycling programs which include uncontaminated wallboard scrap. Such scrap may be reintroduced to the manufacturing process and made into new board.



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SECTION 8: FIRST AID MEASURES

- Inhalation: Move the exposed person to fresh air and allow to rest. If breathing problems persist, seek medical attention.
- Eye Contact: Remove contact lenses. Do not allow victim to rub eye(s). Let the eye(s) water naturally for a few minutes. Have victim look right and left, and then up and down. If particle/dust does not dislodge, flush with lukewarm, gently flowing water for 5 minutes or until particle/dust is removed, while holding the eyelid(s) open. If irritation persists, obtain medical attention. DO NOT attempt to manually remove anything stuck to the eye(s).
- Skin Contact: Wash area with mild soap and water. If irritation persists, seek medical attention.
- Ingestion: If problems arise obtain medical advice.

SECTION 9: ADDITIONAL INFORMATION

CANADIAN NSNR STATUS (DSL):

All ingredients are present on the Domestic Substances List.

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PREPARATION DATE:

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