

Section 1: PRODUCT AND COMPANY IDENTIFICATION

Product Name:

1. Pro Spec® Pr Color Sanded Tile Grout All Colors

| COLOR Pallet | |
|----------------------|------------------------|
| ALMOND 10 lb. | CHARCOAL 10 lb. |
| ALMOND 25 lb. | CHARCOAL 25 lb. |
| ANTIQUE WHITE 10 lb. | CYPRESS 10 lb. |
| ANTIQUE WHITE 25 lb. | CYPRESS 25 lb. |
| ASPEN 10 lb. | DAKOTA PRAIRIE 10 lb. |
| ASPEN 25 lb. | DAKOTA PRAIRIE 25 lb. |
| AUTUMN 10 lb. | DARK CHOCOLATE 10 lb. |
| AUTUMN 25 lb. | DARK CHOCOLATE 25 lb. |
| BONE 10 lb. | DELOREAN GREY 10 lb. |
| BONE 25 lb. | DELOREAN GREY 25 lb. |
| BUFF 10 lb. | EVERGREEN 10 lb. |
| BUFF 25 lb. | EVERGREEN 25 lb. |
| CAFÉ 10 lb. | FAWN 10 lb. |
| CAFÉ 25 lb. | FAWN 25 lb. |
| CANYON SUNSET 10 lb. | FRENCH MOCHA 10 lb. |
| CANYON SUNSET 25 lb. | FRENCH MOCHA 25 lb. |
| Honey 10 lb. | ONYX BLACK 10 lb. |
| Honey 25 lb. | ONYX BLACK 25 lb. |
| Ice White 10 lb. | PAINTED DESERT 10 lb. |
| Ice White 25 lb. | PAINTED DESERT 25 lb. |
| Khaki 10 lb. | PEBBLE BROWN 10 lb. |
| Khaki 25 lb. | PEBBLE BROWN 25 lb. |
| LIMESTONE 10 lb. | RIVER ROCK 10 lb. |
| LIMESTONE 25 lb. | RIVER ROCK 25 lb. |
| LINEN 10 lb. | SABLE 10 lb. |
| LINEN 25 lb. | SABLE 25 lb. |
| MOONLIGHT 10 lb. | SAND DOLLAR 10 lb. |
| MOONLIGHT 25 lb. | SAND DOLLAR 25 lb. |
| NATURAL GREY 10 lb. | STERLING SILVER 10 lb. |
| NATURAL GREY 25 lb. | STERLING SILVER 25 lb. |
| NAVY 10 lb. | SUMMER WHEAT 10 lb. |
| NAVY 25 lb. | SUMMER WHEAT 25 lb. |
| TAUPE 10 lb. | WHITE 10 lb. |
| TAUPE 25 lb. | WHITE 25 lb. |
| TRAVERTINE 10 lb. | WINTERWOOD 10 lb. |
| TRAVERTINE 25 lb. | WINTERWOOD 25 lb. |
| WARM IVORY 10 lb. | WOODSMOKE 10 lb. |
| WARM IVORY 25 lb. | WOODSMOKE 25 lb. |

Product Use: Various.

Manufacturer/Supplier: Bonsal American, Inc.
8201 Arrowridge Blvd.
Charlotte, NC
28273

Phone Number: 800-334-0784 Tech Service 8:00 to 5:00 Eastern, Mon.-Fri.

Emergency Phone: CHEMTREC 800-424-9300
INTERNATIONAL + 01-703-527-3887

Date of Preparation: April 23, 2010

Section 2: HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

WARNING

A natural chemical reaction during hydration develops sufficient heat to cause severe burns in the event of contact with skin. These burns may possibly result in permanent injury. Do not allow product to harden around any body part or allow continuous, prolonged contact with skin.

Potential Health Effects: See Section 11 for more information.

Likely Routes of Exposure: Skin contact, eye contact, inhalation, and ingestion.

- Eye:** Irritating to eyes. May cause burns in the presence of moisture.
- Skin:** Toxic in contact with skin. May cause skin irritation. May cause burns in the presence of moisture.
- Ingestion:** May be harmful if swallowed. May cause stomach distress, nausea or vomiting.
- Inhalation:** May cause respiratory tract irritation.

Chronic Effects: Prolonged or repeated contact may dry skin and cause irritation.

Signs and Symptoms: Symptoms may include discomfort or pain, excess blinking and tear production, with possible redness and swelling. Skin contact during hydration may slowly develop sufficient heat that may cause severe burns possibly resulting in permanent injury. Do not allow product to harden around any body part or allow continuous, prolonged contact with skin. Handling can cause dry skin.

Medical Conditions Aggravated By Exposure: Because of its irritating properties, product may aggravate preexisting skin, eye, and respiratory conditions.

Target Organs: Skin, eyes, gastrointestinal tract, respiratory system.

This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

This product is a hazardous chemical as defined by NOM-018-STPS-2000.

Potential Environmental Effects: No ecological consideration when used according to directions. Normal dilution of this product to drains, sewers, septic systems and treatment plants is not considered environmentally harmful. See Section 12 for more information.

Section 3: COMPOSITION / INFORMATION ON INGREDIENTS

| Ingredient | UN Number | H / F / R / Special* | CAS # | Wt. % |
|-------------------------|----------------|----------------------|------------|---------|
| Portland cement | Not available. | 2/0/0 | 65997-15-1 | 15-40 |
| Calcium aluminat cement | Not available. | Not available. | 65997-16-2 | 0.5-1.5 |

| | | | | |
|-----------------------------|----------------|----------------|------------|---------|
| Silica, crystalline, quartz | Not available. | Not available. | 14808-60-7 | 40-70 |
| Vinyl acetate | Not available. | 4/3/2 | 108-05-4 | 0.5-1.5 |
| Titanium dioxide | Not available. | 2/0/0 | 13463-67-7 | 1-5 |
| Chromium(III) oxide | Not available. | Not available. | 1308-38-9 | 1-5 |

* Per NOM-018-STPS-2000

Section 4: FIRST AID MEASURES

Eye Contact: In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. If easy to do, remove contact lenses, if worn. Get medical attention immediately.

Skin Contact: In case of contact, immediately flush skin with plenty of water. Remove contaminated clothing and shoes. Wash clothing before reuse. Call a physician if irritation develops and persists.

Inhalation: If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen.

Ingestion: If swallowed, do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person.

General Advice: In case of accident or if you feel unwell, seek medical advice immediately (show the label or MSDS where possible).

Note to Physicians: Symptoms may not appear immediately.

Section 5: FIRE FIGHTING MEASURES

Flammability: Not flammable by WHMIS/OSHA criteria.

Means of Extinguishing:

Suitable Extinguishing Media: Treat for surrounding material.

Unsuitable Extinguishing Media: Not available.

Products of Combustion: May include, and are not limited to: oxides of carbon.

Explosion Data:

Sensitivity to Mechanical Impact: Not available.

Sensitivity to Static Discharge: Not available.

Protection of Firefighters: Keep upwind of fire. Wear full fire fighting turn-out gear (full Bunker gear) and respiratory protection (SCBA).

Section 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions: Use personal protection recommended in Section 8. Isolate the hazard area and deny entry to unnecessary and unprotected personnel.

Environmental Precautions: If large quantities enter a waterway, advise local authorities.

Methods for Containment: Contain spill, then place in a suitable container. Do not flush to sewer or allow to enter waterways. Use appropriate Personal Protective Equipment (PPE).

Methods for Clean-Up: Vacuum or sweep material and place in a disposal container.

Other Information: Not available.

Section 7: HANDLING AND STORAGE

Handling:

Avoid contact with skin and eyes. Do not swallow. Good housekeeping is important to prevent accumulation of dust. Avoid generating and breathing dust. The use of compressed air for cleaning clothing, equipment, etc, is not recommended. Use only in well-ventilated areas. Handle and open container with care. When using do not eat or drink. Wash hands before eating, drinking, or smoking.

Storage:

Keep out of the reach of children. Store in dust-tight, dry, labeled containers. Keep containers closed when not in use. Avoid any dust buildup by frequent cleaning and suitable construction of the storage area. Do not store in an area equipped with emergency water sprinklers. Use corrosion-resistant structural materials and lighting and ventilation systems in the storage area.

Section 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Guidelines

| Ingredient | Exposure Limits | |
|-----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|
| | OSHA-PEL | ACGIH-TLV |
| Portland cement | 15 mg/m ³ (total); 5 mg/m ³ (resp) | 10 mg/m ³ (total) |
| Calcium aluminate cement | Not available. | Not available. |
| | ((10 mg/m ³)/(%SiO ₂ +2) TWA (resp)); ((30 mg/m ³)/(%SiO ₂ +2) TWA (total)); ((250)/(%SiO ₂ +5) mppcf TWA (resp)) | |
| Silica, crystalline, quartz | | 0.025 mg/m ³ |
| Vinyl acetate | Not available. | 10 ppm |
| Titanium dioxide | 15 mg/m ³ (total) | 10 mg/m ³ |
| Chromium(III) oxide | Not available. | Not available. |

Engineering Controls: When using product, provide local and general exhaust ventilation to keep airborne dust concentrations below exposure limits.

Personal Protective Equipment:

Eye/Face Protection: Wear approved eye protection (properly fitted dust- or splash-proof chemical safety goggles) and face protection (face shield).

Hand Protection: Wear suitable gloves.

Skin and Body Protection: Wear suitable protective clothing.

Respiratory Protection: A NIOSH approved dust mask or filtering facepiece is recommended in poorly ventilated areas or when permissible exposure limits may be exceeded. Respirators should be selected by and used under the direction of a trained health and safety professional following requirements found in OSHA's respirator standard (29 CFR 1910.134) and ANSI's standard for respiratory protection (Z88.2).

General Hygiene Considerations: Handle according to established industrial hygiene and safety practices.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

| | |
|-------------------------|-----------------|
| Appearance: | Powder. |
| Color: | Various. |
| Odour: | Characteristic. |
| Odour Threshold: | Not available. |
| Physical State: | Powder. |
| pH: | Not available. |
| Viscosity: | Not available. |

| | |
|-----------------------------------------------|-------------------------------------------|
| Freezing Point: | Not available. |
| Boiling Point: | Not available. |
| Flash Point: | Not available. |
| Evaporation Rate: | Not available. |
| Lower Flammability Limit: | Not available. |
| Upper Flammability Limit: | Not available. |
| Vapor Pressure: | Not available. |
| Vapor Density: | Not available. |
| Specific Gravity: | Not available. |
| Solubility in Water: | Not available. |
| Coefficient of Water/Oil Distribution: | Not available. |
| Auto-ignition Temperature: | Not available. |
| Percent Volatile, wt. %: | Not available. |
| VOC content, wt. %: | 0%, Not applicable; 0 wt, Not applicable. |

Section 10: STABILITY AND REACTIVITY

Stability: Stable under normal storage conditions. Keep dry in storage.

Conditions of Reactivity: Heat. Incompatible materials. Moisture.

Incompatible Materials: None known.

Hazardous Decomposition Products: May include, and are not limited to: oxides of carbon.

Possibility of Hazardous Reactions: No dangerous reaction known under conditions of normal use.

Section 11: TOXICOLOGY INFORMATION

EFFECTS OF ACUTE EXPOSURE

Component Analysis

| Ingredient | IDLH | LD₅₀ (oral) | LC₅₀ |
|-----------------------------|-------------------------|-------------------------------|-----------------------------------|
| Portland cement | Not available. | Not available. | Not available. |
| Calcium aluminate cement | Not available. | Not available. | Not available. |
| Silica, crystalline, quartz | Not available. | 500 mg/kg, rat | Not available. |
| Vinyl acetate | Not available. | 2900 mg/kg, rat | 11400 mg/m ³ , 4hr rat |
| Titanium dioxide | 5,000 mg/m ³ | Not available. | Not available. |
| Chromium(III) oxide | 25 mg/m ³ | Not available. | Not available. |

Eye: Irritating to eyes. May cause burns in the presence of moisture. Symptoms may include discomfort or pain, excess blinking and tear production, with possible redness and swelling.

Skin: Toxic in contact with skin. May cause skin irritation. May cause burns in the presence of moisture. Skin contact during hydration may slowly develop sufficient heat that may cause severe burns possibly resulting in permanent injury. Do not allow product to harden around any body part or allow continuous, prolonged contact with skin. Handling can cause dry skin.

Ingestion: May be harmful if swallowed. May cause stomach distress, nausea or vomiting.

Inhalation: May cause respiratory tract irritation.

EFFECTS OF CHRONIC EXPOSURE

Target Organs: Lungs.

Chronic Effects: Hazardous by WHMIS/OSHA criteria.

Respirable crystalline silica in the form of quartz or cristobalite from occupational sources is listed by the International Agency for Research on Cancer (IARC) and National Toxicology Program (NTP) as a lung carcinogen. Prolonged exposure to respirable crystalline silica has been known to cause silicosis, a lung disease, which may be disabling. While there may be a factor of individual susceptibility to a given exposure to respirable silica dust, the risk of contracting silicosis and the severity of the disease is clearly related to the amount of dust exposure and the length of time (usually years) of exposure.

Carcinogenicity: Hazardous by WHMIS/OSHA criteria.

| Ingredient | Chemical Listed as Carcinogen or Potential Carcinogen * |
|-----------------------------|----------------------------------------------------------------|
| Portland cement | Not listed. |
| Calcium aluminate cement | Not listed. |
| Silica, crystalline, quartz | G-A2, I-1, N-1, CP65 |
| Vinyl acetate | G-A3, I-2B |
| Titanium dioxide | I-2B |
| Chromium(III) oxide | Not listed. |

* See Section 15 for more information.

Mutagenicity: Not hazardous by WHMIS/OSHA criteria.

Reproductive Effects: Not hazardous by WHMIS/OSHA criteria.

Developmental Effects:

Teratogenicity: Not hazardous by WHMIS/OSHA criteria.

Embryotoxicity: Not hazardous by WHMIS/OSHA criteria.

Respiratory Sensitization: Not hazardous by WHMIS/OSHA criteria.

Skin Sensitization: Not hazardous by WHMIS/OSHA criteria.

Toxicologically Synergistic Materials: Not available.

Section 12: ECOLOGICAL INFORMATION

Ecotoxicity: No ecological consideration when used according to directions. Normal dilution of this product to drains, sewers, septic systems and treatment plants is not considered environmentally harmful.

Persistence / Degradability: Not available.

Bioaccumulation / Accumulation: Not available.

Mobility in Environment: Not available.

Section 13: DISPOSAL CONSIDERATIONS

Disposal Instructions:

This material must be disposed of in accordance with all local, state, provincial, and federal regulations.

Section 14: TRANSPORTATION INFORMATION

DOT Classification

Not regulated

TDG Classification

Not regulated

NOM-004-SCT2-1994 Classification

Not regulated

Section 15: REGULATORY INFORMATION

Federal Regulations

Canadian: This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations.

US: MSDS prepared pursuant to the Hazard Communication Standard (CFR29 1910.1200).

Mexico: MSDS prepared pursuant to NOM-018-STPS-2000.

SARA Title III

| Ingredient | Section 302 (EHS) TPQ (lbs.) | Section 304 EHS RQ (lbs.) | CERCLA RQ (lbs.) | Section 313 |
|-----------------------------|-----------------------------------------|--------------------------------------|-----------------------------|------------------------|
| Portland cement | Not listed. | Not listed. | Not listed. | Not listed. |
| Calcium aluminate cement | Not listed. | Not listed. | Not listed. | Not listed. |
| Silica, crystalline, quartz | Not listed. | Not listed. | Not listed. | Not listed. |
| Vinyl acetate | 1,000 | 5,000 | 5,000 | Yes. |
| Titanium dioxide | Not listed. | Not listed. | Not listed. | Not listed. |
| Chromium(III) oxide | Not listed. | Not listed. | Not listed. | Not listed. |

State Regulations

California Proposition 65:

This product contains a chemical known to the state of California to cause cancer.

Global Inventories

| Ingredient | Canada DSL/NDSL | USA TSCA |
|-----------------------------|----------------------------|---------------------|
| Portland cement | DSL | Yes. |
| Calcium aluminate cement | DSL | Yes. |
| Silica, crystalline, quartz | DSL | Yes. |
| Vinyl acetate | DSL | Yes. |
| Titanium dioxide | DSL | Yes. |
| Chromium(III) oxide | DSL | Yes. |

HMIS - Hazardous Materials Identification System

Health - 2* **Flammability - 0** **Physical Hazard - 0**

NFPA - National Fire Protection Association:

Health - 2 **Fire - 0** **Reactivity - 0**

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

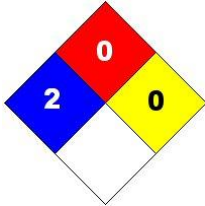
WHMIS Classification(s):

- Class D1B - Toxic Material
- Class D2A - Carcinogenicity
- Class D2A - Chronic Toxic Effects
- Class D2B - Skin/Eye Irritant

WHMIS Hazard Symbols:



Mexico Classification:



Blue = Health Red = Flammability Yellow = Reactivity White = Special

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

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 (I) 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 in the absence of 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

Disclaimer:

The information contained in this document applies to this specific material as supplied. It may not be valid for this material if it is used in combination with any other materials. It is the user's responsibility to satisfy oneself as to the suitability and completeness of this information for the user's own particular use.

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