

MATERIAL SAFETY DATA SHEET

SECTION 1 – IDENTIFICATION OF SUBSTANCE, PREPARATION AND OF THE COMPANY

PRODUCT NAME: Roberts 1430 R-GROUT FLOOR
ROBERTS MSDS CODE NUMBER: 1430C
PRODUCT USES: Polymer-modified, sanded floor grout used between ceramic tiles
MOLECULAR FORMULA: Mixture
MANUFACTURER: Roberts Company Canada LTD. 2070 Steeles Avenue, Bramalea, Ontario L6T 1A7 Canada. Phone: (905) 791-4444
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PREPARED BY: Regulatory Department
PREPARATION DATE: November 13, 2009

SECTION 2 – COMPOSITION/INFORMATION ON INGREDIENTS

COMPONENT	WT %	CAS#	OSHA PEL 8 –hour TWA mg/m3	ACGIH TLV mg/m3
CHRYSTALLINE – SILICA, QUARTS	40–70	14808-60-7	10 Respirable dust 30 Total dust	0.05 Respirable dust
PORTLAND CEMENT	15-40	65997-15-1	5 Respirable dust 15 Total dust	10 Total dust
CHROMIUM (III) OXIDE (DUST)	0-1	1308-38-9	0.5 (as Chromium)	0.5 (as Chromium)
MIXED COBALT-ALUMINUM OXIDE	0-1	Not Available	Not Available	Not Available

SECTION 3 – HAZARDS IDENTIFICATION

ROUTES OF ENTRY: Inhalation? Yes Eye Contact? Yes Skin Contact? Yes Ingestion? Yes

Inhalation: Exposure to this product may cause irritation to the nose, throat and other respiratory areas. Prolonged exposure may cause silicosis, disabling and potential fatal lung diseases. *Silicosis usually develops gradually over 20 years of exposure. The early symptoms of silicosis are not specific so the development of illness may not be detected until its advanced stages. Evidence of silicosis can normally be seen on an X-ray.* **Eye Contact:** Exposure to airborne dust may cause immediate or delayed irritation or inflammation. Powder or splashes of wet product may cause effects ranging from moderate eye irritation to chemical burns and blindness. **Skin Contact:** Exposure to dry product may cause drying of the skin with consequent mild irritation. Dry product contacting wet skin or exposure to wet product may cause from moderate damage to severe skin burns. Effects can be delayed until hours after the exposure has ended. Some individuals may exhibit a sensitisation/allergic response possibly due to trace amounts of chromium (VI). That may appear in a variety of forms ranging from a mild rash to severe skin ulcers. **Ingestion:** Internal discomfort or ill effects are possible.

CARCINOGENICITY: Crystalline silica is classified by the IARC *and NTP* as a known human carcinogen and considered to be a carcinogen by the state of California (Preposition 65). Inorganic cobalt compounds cause cancer in experimental animals and are classified as A3 by ACGIH.

Chromium oxides are on *IARC Group 3 and ACGIH A4* lists of carcinogens. Chromium (III) oxide is not classified as a human carcinogen by ACGIH and by IARC.

MEDICAL CONDITIONS WHICH MAY BE AGGRAVATED BY INHALATION OR DERMAL EXPOSURE: Pre-existing upper respiratory and lung diseases.

SECTION 4 – FIRST AID MEASURES

Show this data sheet to the doctor in attendance.

INHALATION: Remove victim to fresh air. Seek medical attention, if necessary.

EYES: Flush immediately and repeatedly with water for at least 15 minutes while holding eyelids open. Consult a physician immediately.

SKIN: Wash thoroughly with soap and water. Remove contaminated clothing. If irritation develops seek medical attention.

INGESTION: Contact a physician immediately. Do not induce vomiting. Drink 2 to 3 glasses of water for dilution.

SECTION 5 – FIRE FIGHTING MEASURES

FLAMMABILITY: No

FLASHPOINT (specify method): Not applicable

FLAMMABLE LIMITS (% BY VOLUME): Not applicable

AUTO IGNITION TEMP: Not available

NFPA RATING: 0

UNUSUAL FIRE AND EXPLOSION HAZARDS: Some decomposition products may be harmful.

IMPACT SENSITIVITY: Not sensitive

SENSITIVITY TO STATIC DISCHARGE: Not sensitive

FIRE EXTINGUISHING MEDIA: Same as surrounding area

TDG FLAMMABILITY CLASSIFICATION: Not regulated.

SPECIAL FIRE-FIGHTING PROCEDURES: Wear standard fire fighting gear with self-contained breathing apparatus.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Collect dry material using a scoop. Avoid actions that cause material to become airborne. Wear personal protective equipment as described in section 8. Scrape up wet material and place in appropriate container. Allow it to dry before disposal. Do not attempt to wash the product down drains. Dispose of waste material according to local, state, provincial or federal regulations.

SECTION 7 – HANDLING AND STORAGE

Maintain a good personal hygiene. Keep the mortar dry until used. Normal temperatures and pressure do not effect the material.

SECTION 8 – EXPOSURE CONTROL & PERSONAL PROTECTION

RESPIRATORY PROTECTION (SPECIFY TYPE): Use NIOSH approved respirator rated N95 (under 42 CFR 84) in poorly ventilated areas, if an applicable exposure limit is exceeded, or when dust causes discomfort or irritation.

VENTILATION: Use local or general ventilation to control exposures below applicable exposure limits.

PROTECTIVE GLOVES: Impervious nitrile or rubber gloves.

EYE PROTECTION: Safety glasses with side shields or goggles. Contact lenses should not be worn when working with this product.

OTHER PROTECTIVE EQUIPMENT: Where required wear boots that are impervious to water. Mortar workers should shower with soap and water after working with mortar.

STORAGE & HANDLING PRECAUTIONS: Store at room temperature in a dry area. Keep container well closed.

OTHER PRECAUTIONS: Keep out of reach of children.

SECTION 9 – PHYSICAL AND CHEMICAL DATA

APPEARANCE AND ODOR:	Various coloured powder, cement odor	EVAPORATION RATE (Butyl Acetate=1):	Not available
ODOUR THRESHOLD (ppm):	Not available	PERCENT VOLATILE:	Not Available
SPECIFIC GRAVITY (H2O=1):	2.7-3.1	VAPOR DENSITY (air=1)	Not available
BOILING POINT:	Not available	SOLUBILITY IN WATER:	Miscible
FREEZING POINT:	Not available	pH (10% in WATER):	> 12
VAPOR PRESSURE (mmHg)	Not available		

SECTION 10 – STABILITY AND REACTIVITY

STABILITY: Stable but must be kept dry.

INCOMPATIBILITY (Materials to avoid): Strong acids, strong bases and oxidizing agents.

HAZARDOUS DECOMPOSITION PRODUCTS: Oxides of carbon, powdered solids.

CONDITIONS TO AVOID: Moisture and high humidity.

HAZARDOUS POLYMERIZATION: Will not occur

SECTION 11 – TOXICOLOGICAL INFORMATION

EFFECTS OF ACUTE EXPOSURE TO PRODUCT:

Section 3

EFFECTS OF CHRONIC EXPOSURE TO PRODUCT:

Section 3

EXPOSURE LIMITS:

Section 2

IRRITANCY OF PRODUCT:

Section 3

SENSITISATION OF PRODUCT:

Section 3

CARCINOGENICITY:

Section 3

REPRODUCTIVE TOXICITY:

Not Applicable

MUTAGENICITY:

Not Applicable

TERATOGENICITY:

Not Applicable

SECTION 12 – ECOLOGICAL INFORMATION

This product may be dangerous for environment. Do not empty into water or drains.

SECTION 13 – DISPOSAL CONSIDERATION

Dispose of waste material according to local, state and federal regulations. Uncontaminated material may be saved for future use.

Dispose of bags in an approved landfill or incinerator.

SECTION 14 – TRANSPORTATION DATA

PROPER SHIPPING NAME:

Not Regulated

UN NUMBER:

Not Applicable

CLASS OR DIVISION:

Not Applicable

SUB RISK:

Not Applicable

PACKING GROUP:

Not Applicable

SECTION 15 – REGULATORY INFORMATION

Material considered to be hazardous as defined by Control Products Regulations and therefore is subject to the labeling and MSDS requirements of the Workplace Hazardous Materials Information System (WHMIS).

WHMIS CLASSIFICATION:

D2A (Carcinogenic, *Chronic Toxicity*), D2B (Skin Sensitization), E (Corrosive)

NFPA RATINGS (0-4):

Health: 2; Fire: 0; Reactivity: 0.

HMIS RATINGS (0-4) and PPE:

Health: *3; Flammability: 0; Physical Hazard: 0; PPE: E

SECTION 16 – OTHER INFORMATION

The product has been classified in accordance with the hazard criteria of the CPR and the MSDS contains all the information required by the CPR. **This MSDS is valid for three years.**

The information contained herein is based on data considered accurate. No warranty is expressed or implied regarding the accuracy of this data or the results obtained from the use thereof. Roberts Ltd. assumes no responsibility for personal injury or property damage to vendees or users or third parties, caused by the material. Such vendees or users assume all risks with the use of the material.

Signature of Preparer:

Raj Bhagrath, Technical Dept.