12/05/2016

SECTION 1: Identification and Company Details

Product Name: R-QUICK **Product Code:** P1418

Manufacturer/Supplier: Roberts Company Canada Ltd.
Address: 34 Hansen Rd. S.
Brampton, ON L6W 3H4

Emergency Phone: (888)226-8832 (24-hour/CANUTEC)
Product Infornation: (905) 275-7545 800-840-9422

Recommended Use: Fast setting, polymer modified dry thinset mortar used for ceramic tile installation

SECTION 2: Hazards Identification

GHS Ratings:

Oral Toxicity	Acute Tox. 4	Oral>300+<=2000mg/kg
Skin corrosive	1A	Destruction of dermal tissue: Exposure < 3 min. Observation < 1 hour, visible necrosis in at least one animal
Eye corrosive	1	Serious eye damage: Irreversible damage 21 days after exposure, Draize score: Corneal opacity >= 3, Iritis > 1.5
Carcinogen	1A	Known Human Carcinogen Based on human evidence
Reproductive toxin	1A	Based on human evidence

GHS Hazards

H302	Harmful if swallowed
H314	Causes severe skin burns and eye damage
H318	Causes serious eye damage
H350	May cause cancer
H360	May damage fertility or the unborn child

GHS Precautions

P201	Obtain special instructions before use
P202	Do not handle until all safety precautions have been read and understood
P260	Do not breathe dust
P264	Wash … thoroughly after handling
P270	Do not eat, drink or smoke when using this product
P280	Wear protective gloves/protective clothing/eye protection
P281	Use personal protective equipment as required
P310	Immediately call a POISON CENTER or doctor
P330	Rinse mouth
P363	Wash contaminated clothing before reuse
P301+P312	IF SWALLOWED: Call a POISON CENTER or doctor if you feel unwell
P301+P330+P331	IF SWALLOWED: Rinse mouth. Do NOT induce vomiting
P303+P361+P353	IF ON SKIN (or hair): Remove immediately all contaminated clothing. Rinse skin with water
P304+P340	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
P305+P351+P338	IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing
P308+P313	IF exposed or concerned: Get medical advice/attention
P405	Store locked up
P501	Dispose of contents/container in accordance with local/provincial/federal regulations

Signal Word: Danger

Ingestion: May cause burns to mouth, throat and stomach.
Inhalation: May cause respiratory irritation.
Skin Contact: Causes severe burns. May cause an allergic skin reaction.
Eye Contact: Causes serious eye damage.

SECTION 3: Composition / Information on Ingredients

Chemical Name	CAS number	Weight Concentration %
Quartz	14808-60-7	55.60%
Cement, portland, chemicals	65997-15-1	12.50%
Plaster of Paris	26499-65-0	1.60%

SECTION 4: First-Aid Measures

Inhalation:
Move victim to fresh air and keep at rest in position comfortable for breathing. If the person is not breathing, if breathing is irregular or of respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. Risk may occur to the person providing mouth-to-mouth resuscitation. If victim is unconscious, place in recovery position and get medical attention immediately. Maintain an open airway

Eye Contact:
Rinse eyes with water with eyelids open for a at least 15 minutes. Remove contact lenses if possible. Consult physician immediately.

Skin Contact:
Wash with soap and water. Remove contaminated clothing. Consult physician for rashes, burns, irritation, and prolonged unprotected exposures to wet cement, cement mixtures or liquids from wet cement. Burns should be treated as caustic burns. Feeling of pain or the severity of the burn may not occur until hours after the exposure. In the event of any complaints or symptoms, avoid further exposure.

Ingestion:
Do not induce vomiting. Wash mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If product has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop giving water if vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Chemical burns must be treated promptly by a physician. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Consult physician.

Note to Physician:
Eyes: Stain for evidence of corneal injury. If cornea is burned, instill antibiotic steroid preparation.
Skin: This compound is a known skin sensitizer. Treat symptomatically as for contact dermatitis or thermal burns. If burned, treat as thermal burn.
Ingestion: Treat symptomatically. There is no specific antidote. Inducing vomiting is contraindicated because of the irritating nature of this compound
Respiratory: Treatment is essentially symptomatic. Remove individual with symptoms from exposure and assist in breathing if necessary.

SECTION 5: Fire-Fighting Measures

Flash Point: N/A
LEL: N/A UEL: N/A

Extinguishing media:

This product is not flammable. Use fire- extinguishing media appropriate for surrounding materials.
Don't use water jet or water- based fire extinguishers.

Hazardous Combustion Products:
May include but not limited to Oxides of Carbon, Sulfur Oxides and Metal Oxides.
Do not inhale explosion and combustion gases.

Fire Equipment and precautions for fire- fighters:
Use suitable respiratory protection. Collect contaminated fire extinguishing water separately. Do not discharge into drains.
Move undamaged containers from immediate hazard area, if it can be done safely.

SECTION 6: Accidental Release Measures

Personal Precautions:
Do not touch or walk through soiled material. Do not breathe dust. Provide adequate ventilation.
Use protective gloves, goggles and suitable protective clothing.

Methods of Clean-up:
Vacuum with HEPA fitted filter equipment and place in a disposal container. Seal securely and deliver for disposal according to local regulations. Wear necessary protective equipment. Avoid actions that make the material airborne. Place wet product in proper containers and allow product to harden. Keep spills and cleaning runoffs out of municipal sewers and open water.

Environmental Precautions:
Do not allow product to get into drains, soil, or surface water. Inform specific authorities if the product has entered the environment, including water, drains and soil.

SECTION 7: Handling and Storage

Handling Precautions:
Keep dry until use. Avoid generating and breathing dust. Avoid contact with skin and eyes. Do not get the product inside boots, shoes or gloves. Wet, saturated clothing should not remain on skin. Appropriate respirator should be worn when ventilation is inadequate. Do not eat, drink or smoke when using the product. Use of compressed air for cleaning clothing, equipment etc. is not recommended. Do not reuse packaging.

Storage:
Keep separate from food, feedstuffs, fertilizers and other sensitive material. Store in dust tight, dry and labeled closed container. Avoid product contact with skin and eyes. Be Aware- This product may build up or adhere to the walls of a confined space and release or fall suddenly.
KEEP OUT OF REACH OF CHILDREN.

Other:
Every attempt possible should be made to avoid skin/eye contact with Portland cement.
Portland Cement will react with water to produce calcium hydroxide, a compound that will potentially cause chemical burns to the user.

SECTION 8: Exposure Control / Personal Protection

Chemical Name / CAS No.	OSHA Exposure Limits	ACGIH Exposure Limits	Other Exposure Limits
Quartz 14808-60-7	Not Established	0.025 mg/m3 TWA (respirable fraction)	NIOSH: 0.05 mg/m3 TWA (respirable dust)
Cement, portland, chemicals 65997-15-1	15 mg/m3 TWA (total dust); 5 mg/m3 TWA (respirable fraction)	1 mg/m3 TWA (particulate matter containing no asbestos and <1% crystalline silica, respirable fraction)	NIOSH: 10 mg/m3 TWA (total dust); 5 mg/m3 TWA (respirable dust)
Plaster of Paris 26499-65-0	15 mg/m3 TWA (total dust); 5 mg/m3 TWA (respirable fraction) TWA (respirable dust)	Not Established	NIOSH: 10 mg/m3 TWA (total dust); 5 mg/m3

Engineering Controls: Use NIOSH approve respirator rated N95 in poorly ventilated areas, if an applicable exposure

limit is exceeded, or when dust causes discomfort or irritation.

Ventilation:
Provide adequate ventilation. If dust accumulated, use process enclosures, local exhaust ventilation or other engineering controls to limit airborne containment.

Personal Protection:
Eye/Face Protection: Glasses with side shields, chemical splash proof goggles and/or face shield. It's not recommended to use wear contact lenses when working with this product.

Skin Protection: Permeation resistant gloves (butyl rubber, nitrile rubber, PVC or polyvinyl alcohol). Do not allow this product inside gloves. Wear high impervious boots, do not get the product inside boots, shoes or gloves. Remove saturated clothing and protective equipment and immediately wash exposed areas of the body.

Respiratory Protection: Use respirator with a filter selected based on known or anticipated exposure levels, hazards of the product.

SECTION 9: Physical and Chemical Properties

Appearance: Powder
Odor: Odorless
Bulk Density: 1.35-1.65
Odor Threshold: Not available
Solubility: Not available
pH: 11-12 Wet
Partition Coefficient: Not available
Melting Point: Not available
Freezing Point: Not available
Auto-ignition Temperature: Not available
Flash Point: Not available
Decomposition Temperature: Not available
Evaporation Rate: Not available
Viscosity: Not available
Flammability (Solid/Gas): Not available
Upper/Lower Flammability: Not available
VOC Content: Not available
Vapor Pressure: Not available
Boiling Point: Not available

% Volume Volatile	0.00
Specific Gravity (SG) 2-2.3	**Lbs VOC/Gallon Less Water** 0.00

SECTION 10: Stability and Reactivity

Chemical Stability: Stable under normal temperature conditions and recommended use.

Conditions to Avoid: Excessive heat, direct sunlight and/or frost.

Materials to Avoid: Oxidizing materials, acids, aluminum and ammonium salt. This product is highly alkaline and will react with acids to product harsh, heating- generating reaction. Aluminum powder and other alkaline earth elements will react in wet mortar or concrete, liberating hydrogen gas. Limestone ignites on contact with fluorine and is incompatible with acids, alum, ammonium salts, and magnesium.

Hazardous Decomposition: Hazardous polymerization will not occur.

SECTION 11: Toxicological Information

Mixture Toxicity

Oral Toxicity LD50: 899mg/kg

Effects of Overexposure

CAS Number	Description	% Weight	Carcinogen Rating
14808-60-7	Quartz	55.6	Quartz: NIOSH: potential occupational carcinogen IARC: Human carcinogen OSHA: listed

SECTION 12: Ecological Information

Mobility and Bioaccumulation Potential: Not determined
Degradation: Not determined
Aquatic Toxicity: Not determined
LC50 - 24 hour (Static): Not determined

SECTION 13: Disposal Considerations

Disposal: Dispose of waste and residues in accordance with local, state, federal, provincial authority requirements.
Wastes or Residues: Same as above.

SECTION 14: Transport Information

Road:
DOT Proper Shipping Name: Non-Regulated
DOT Packing Group: N/A
DOT Label: N/A
UN Number: N/A

Ocean:
Proper Shipping Name: Non-Regulated
Sea - IMO/IMDG Class: N/A
UN Number: N/A
Label: N/A
Packing Group: N/A
Marine Pollutant: N/A
EMS: N/A

SECTION 15: Regulatory Information

Status on Substance Lists: The concentrations shown in this document are maximum levels (weight %) to be used for regulations.

TSCA: The components of this product are contained on the chemical substance inventory list.

OSHA: This product is a 'Hazardous Chemical" as defined by WHMIS 2015 and the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

OSHA PEL's 14808-60-7/Crystalline Silica

Federal EPA: Comprehensive Environmental Response, Compensation and Liability Act of 1980 (CERCLA): Requires notification of the national response center of release of quantities of hazardous substances equal to or greater than the reportable quantities (RQ's) in 40 CFR 302.4. Components present in this product at level which could require reporting under the statute are: None

Superfund Amendments and Reauthorization Act of 1986 (SARA) Title III: Sections 301-304 require emergency planning based on Threshold Planning Quantities (TPQs) and release reporting based on Reportable Quantities (RQ) in 40 CFR 355. Components present in this product at level which could require reporting under this statue are: None

Section 311-312 require products be reviewed and applicable EPA Hazard Definitions be identified and made known- None
SARA 302 Extremely Hazardous Substances - None

EPA Hazard Classifications:

Acute Hazard	Chronic Hazard	Fire Hazard	Pressure Hazard	Reactive Hazard
Yes	**Yes**	**No**	**No**	**No**

Section 313 requires submission of annual reports of release of toxic chemicals that appear in 40 CFR 372 (for SARA 313). This information must be included in all SDSs that are distributed for this material. Components present in this product at level which could require reporting under the statute are: None

Canada DSL: All components are on the DSL list or exempt.

California Proposition 65: Warning. This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm: **Quartz/14808-60-7, etc.**

U.S. Prop 65 Carcinogens List
14808-60-7 Quartz 55.6 %

Chemicals listed under the TSCA control act.
65997-15-1 Cement, portland, chemicals 12.5 %
14808-60-7 Quartz 55.6 %

SECTION 16: Other Information

This Safety Data Sheet is prepared to comply with WHMIS 2015 and the United States Occupational Safety and Health Administration (OSHA) Hazard Communication Standard (29 CFR 1910.1200).

HMIS RATING: HEALTH-…., FLAMMABILITY-….., REACTIVITY-….., PERSONAL PROTECTION- …….

Hazardous Material Information System (HMIS)

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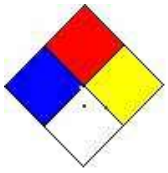
HMIS & NFPA Hazard Rating

Legend
*** = Chronic Health Hazard**

0 = INSIGNIFICANT
1 = SLIGHT
2 = MODERATE
3 = HIGH

National Fire Protection Association (NFPA)

Flammability



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Health **3** **0** Instability

Special

Prepared by: Roberts' Product Safety & Regulatory Compliance Group,(905) 791-4444

The information herein is given in good faith, but no warranty expressed or implied is made. Roberts urges users of this product to evaluate its suitability and compliance with local regulations as Roberts cannot foresee the final use of the product, nor the final location of usage.

Date Prepared: 12/5/2016