

SOLHYDCRETE A.N-RAPIDO

SECTION 1. IDENTIFICATION

Product Identifier	SOLHYDCRETE A.N-RAPIDO
Other Means of Identification	SOL-CRETE-AN-RAP
Recommended Use	Quick setting cement repair mortar.
Manufacturer/Supplier Identifier	BMQ SOLUTIONS, 1522 Boulevard des Laurentides, Laval, Qc, H7M 2N7, Marc Charlebois, 877-267-7249
Supplier Identifier	BMQ SOLUTIONS, 1522 Boulevard des Laurentides, Laval, Qc, H7M 2N7, Marc Charlebois, 877-267-7249
Emergency Phone No.	Marc Charlebois, 514-705-7198, 24 Heures / 7 Jours CANUTEC, 613-996-6666, 24HR/7Jours
SDS No.	0239

SECTION 2. HAZARD IDENTIFICATION

Classified according to Canada's Hazardous Products Regulations (WHMIS 2015).

Label Elements



Signal Word:

Danger

Warning

Toxic if swallowed or in contact with skin.

Harmful if inhaled.

Causes severe skin burns and eye damage.

Causes skin irritation.

May cause an allergic skin reaction.

May cause allergy or asthma symptoms or breathing difficulties if inhaled.

May cause respiratory irritation.

May cause cancer.

May cause long lasting harmful effects to aquatic life.

Precautionary Statement(s):

Prevention:

Keep away from heat/sparks/open flames/hot surfaces. – No smoking.

Keep only in original packaging.

Keep container tightly closed.

Do not breathe dust/fume/gas/mist/vapours/spray.

Wash hands and skin thoroughly after handling.

Wear protective gloves/protective clothing/eye protection/face protection.

Response:

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

IF SWALLOWED: Immediately call a POISON CENTRE or doctor.

IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.

IF INHALED: Remove person to fresh air and keep comfortable for breathing.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.

Continue rinsing.

IF exposed or concerned: Get medical advice/attention.

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If eye irritation persists: Get medical advice/attention.

Use of personal protective equipment as required.

Storage:

Store in accordance with local, regional, national and international regulations.

Store in a well-ventilated place. Keep container tightly closed.

Disposal:

Dispose of contents and container in accordance with local, regional, national and international regulations.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Mixture:

Chemical Name	CAS No.	%	Other Identifiers
Silica, quartz	14808-60-7	>52	
Portland cement	65997-15-1	>47	
Calcium Aluminate ciment	65997-16-2	>17	
Calcium sulfate, anhydrous	7778-18-9	>3	

SECTION 4. FIRST-AID MEASURES

First-aid Measures

Inhalation

Remove source of exposure or move to fresh air. Keep at rest in a position comfortable for breathing. Can cause respiratory irritation or lung damage if breathing is difficult, trained personnel should administer emergency oxygen if advised to do so by Poison Centre or doctor. Asthmatic symptoms may develop, consult doctor if this occurs.

Skin Contact

Take off contaminated clothing, shoes and leather goods (e.g. watchbands, belts). Wash gently and thoroughly with lukewarm, gently flowing water and mild soap for 5 minutes. If skin irritation occurs, get medical advice or attention. If abrasion or burns, seek medical attention a soothing ointment could be applied after washing skin.

Eye Contact

Immediately rinse the contaminated eye(s) with lukewarm, gently flowing water for 15-20 minutes, while holding the eyelid(s) open. Remove contact lenses, if present and easy to do. Seek medical attention for abrasion and burns.

Ingestion

DO NOT INDUCE VOMITING have victim drink several glasses of water, if conscious if vomiting is inevitable, prevent aspiration by keeping the victims head below the knee immediately call a Poison Centre or doctor.

Most Important Symptoms and Effects, Acute and Delayed

If inhaled and/or swallowed: can cause severe irritation of the nose and throat. May cause asthma symptoms or breathing difficulties if inhaled. Can result in irritation and corrosive action in the mouth, stomach tissue and digestive tract if on skin: vapour can cause laceration, conjunctivitis, and corneal edema when absorbed into eye tissue symptoms include slight redness and swelling. May cause moderate to severe irritation. If in eyes: may cause moderate to severe irritation. Symptoms include sore, red eyes, and tearing.

Immediate Medical Attention and Special Treatment

Target Organs

Digestive system, eyes, lungs, skin, respiratory system.

Special Instructions

Medical conditions aggravated by exposure: Asthma. other respiratory disorders(Bronchitis, emphysema and bronchial hyper activity) skin allergies and Eczema.

Medical Conditions Aggravated by Exposure

Asthma, dermatitis. May cause skin sensitization respiratory conditions, skin allergies.

SECTION 5. FIRE-FIGHTING MEASURES

Extinguishing Media

Suitable Extinguishing Media

Not combustible. Use extinguishing agent suitable for surrounding fire.

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Specific Hazards Arising from the Product

Does not burn.

Very toxic carbon monoxide, carbon dioxide; corrosive, oxidizing nitrogen oxides.

Special Protective Equipment and Precautions for Fire-fighters

Wear full Bunker gear and respiratory protection (SCBA) Review Section 6 (Accidental Release Measures) for important information on responding to leaks/spills.

Fire-fighters should enter area wearing specialized protective equipment. (Bunker Gear will not provide adequate protection.).

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment, and Emergency Procedures

Evacuate the area immediately. Isolate the hazard area. Keep out unnecessary and unprotected personnel. Avoid generating dust use the personal protective equipment recommended in Section 8 of this safety data sheet. Eliminate all ignition sources if safe to do so.

Environmental Precautions

Do not allow into any sewer, on the ground or into any waterway. Keep away from humidity.

Methods and Materials for Containment and Cleaning Up

Review Section 7 (Handling) of this safety data sheet before proceeding with clean-up. Small spills or leaks: contain and soak up spill with absorbent that does not react with spilled product. Collect using shovel/scoop or approved HEPA vacuum and place in a suitable container for disposal. Large spills or leaks: dike spilled product to prevent runoff. Remove or recover liquid using pumps or vacuum equipment.

SECTION 7. HANDLING AND STORAGE

Precautions for Safe Handling

Use adequate ventilation and employ respiratory protection where dust or fumes may be generated keep away from source of ignition avoid ALL unprotected contact with this product or with contaminated equipment/surfaces. Wear personal protective equipment to avoid direct contact with this chemical. Keep dry. Prevent accidental contact with water and humidity. Keep containers tightly closed when not in use or empty. Clean clothing, shoes and leather goods.

Conditions for Safe Storage

Store in an area that is: cool, dry.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control Parameters

Chemical Name	ACGIH TLV®		OSHA PEL		AIHA WEEL	
	TWA	STEL	TWA	Ceiling	8-hr TWA	TWA
Silica, quartz	0.025 mg/m3 A2 RSEN		0.1 mg/m3			
Portland cement	1 mg/m3 (E) RSEN		15 mg/m3 (E) RSEN			
Calcium Aluminate ciment	10 mg/m3		15 mg/m3			
Calcium sulfate, anhydrous	10 mg/m3			15 mg/m3		

Appropriate Engineering Controls

Use local exhaust ventilation and enclosure, if necessary, to control amount in the air. Concentrations greater than TLV can occur when MDI is used in a poorly ventilated area. In such cases, or whenever concentrations of MDI exceed the TLV, respiratory protection must be worn. A supplied air respirator or a positive pressure self-contained breathing apparatus is recommended. In

situations where MDI is not sprayed or heated and a supplied air or self-contained apparatus is unavailable or its use impractical, at least an air

purifying respirator equipped with an organic cartridge and a particulate filter must be worn. However, this should be permitted only for short periods of

time (less than one hour) at relatively low concentrations (at or near the TLV). However, due to the poor warning properties of MDI, proper fit and timely

replacement of filter elements must be insured. Observe OSHA Regulations for respirator usage (29 CFR Part

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1910.134). Provide eyewash and safety shower if contact or splash hazard exists.

Individual Protection Measures

Eye/Face Protection

Wear chemical safety goggles and face shield when contact is possible.

Skin Protection

Wear chemical protective clothing e.g. gloves, aprons, boots.

Respiratory Protection

Wear a NIOSH approved air-purifying respirator with an organic vapour cartridge.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Basic Physical and Chemical Properties

Appearance	Grey.
Odour Threshold	Not available
pH	10.5 - 11.5
Melting Point/Freezing Point	Not available (melting); Not available (freezing)
Initial Boiling Point/Range	Not available
Flash Point	Not available
Evaporation Rate	Not available
Vapour Pressure	Not available
Vapour Density (air = 1)	Not available
Relative Density (water = 1)	2.5 - 3.0
Solubility	Slightly soluble in water; Insoluble in ketones (e.g. acetone).
Viscosity	Not available (dynamic)
Other Information	
Physical State	Solid
Molecular Formula	Not available
Molecular Weight	Not available
Bulk Density	Not available
Critical Temperature	Not available
Saturated Vapour Concentration	Not available

SECTION 10. STABILITY AND REACTIVITY

Reactivity

None known.

Chemical Stability

Normally stable.

Possibility of Hazardous Reactions

None expected under normal conditions of storage and use.

Conditions to Avoid

None known.

Incompatible Materials

None known.

Hazardous Decomposition Products

Very toxic carbon monoxide, carbon dioxide; corrosive, oxidizing nitrogen oxides.

SECTION 11. TOXICOLOGICAL INFORMATION

Acute Toxicity

Chemical Name	LC50	LD50 (oral)	LD50 (dermal)
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Silica, quartz		500 mg/kg (rat) (dust)	
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Skin Corrosion/Irritation

There is limited evidence of moderate or severe irritation. May produce skin inflammation and blistering may cause burns in presence of moisture do not allow product to harden or have prolonged contact with skin or around body parts.

Serious Eye Damage/Irritation

May cause serious eye irritation based on information for closely related materials. May cause cornea damage or blindness.

STOT (Specific Target Organ Toxicity) - Single Exposure

Inhalation

Severe lung injury. May cause serious lung disease acute silicosis symptoms shortness of breath, fever, cough and weight loss, could cause death.

Skin Absorption

Based on information for closely related materials. Repeated exposure can cause produce local skin destruction or dermatitis.

Ingestion

Harmful based on information for closely related materials. Irritation of the mouth, throat and stomach. Symptoms may include nausea, vomiting, stomach cramps and diarrhea.

Respiratory and/or Skin Sensitization

Chronic exposure can cause lung cancer, auto immune and chronic kidney diseases, tuberculosis can produce respiratory tract irritation severe exposure can produce lung damage, choking, unconsciousness and death.

Carcinogenicity

Chemical Name	IARC	ACGIH®	NTP	OSHA
Silica, quartz	Group 1	A2		
Portland cement		A4		

May cause cancer. lung cancer. IARC: Group 1 – Carcinogenic to humans.

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity

May cause long term adverse effects in aquatic environment.

Persistence and Degradability

No information was located.

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal Methods

Do not dispose into drains, waterways or sewers. Dispose of contents and container in accordance with local, regional, national and international regulations.

SECTION 14. TRANSPORT INFORMATION

Not regulated under Canadian TDG regulations.

Special Precautions Not applicable

Transport in Bulk According to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

SECTION 15. REGULATORY INFORMATION

SECTION 16. OTHER INFORMATION

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Phone No. 877-267-7249
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Key to Abbreviations	ACGIH® = American Conference of Governmental Industrial Hygienists AIHA® = AIHA® Guideline Foundation. IARC = International Agency for Research on Cancer NIOSH = National Institute for Occupational Safety and Health NTP = National Toxicology Program OSHA = US Occupational Safety and Health Administration
References	CHEMINFO database. Canadian Centre for Occupational Health and Safety (CCOHS). NIOSH Pocket Guide database. National Institute for Occupational Safety and Health. Available from Canadian Centre for Occupational Health and Safety (CCOHS). Registry of Toxic Effects of Chemical Substances (RTECS®) database. Dassault Systèmes/BIOVIA ("BIOVIA"). Available from Canadian Centre for Occupational Health and Safety (CCOHS).
Disclaimer	We declare the information contained herein are correct. However, we decline all responsibility as to the exactness and the usage of the later.