

SAFETY DATA SHEET

SECTION 1: IDENTITY

Product Identifier

R-Mortar Aid; VBM-Ad2

Alternate Product Name(s)

Portland Cement Additive

Details of the supplier of the safety data sheets

R-CRETE INC.

P.O. Box 80286

Rancho Santa Margarita, CA 92688

949-888-8401 Fax 949-858-5720

Emergency telephone number

Emergency Telephone Number: 949-888-8401

SECTION 2: HAZARDOUS INGREDIENTS

Classification of the substance or mixture

Physical hazards	Not classified.
Health hazards	Not classified.
Environmental hazards	Not classified.

EC Labeling:

Symbol(s)	None
Signal word	None
Hazard statement	None

Precautionary statement

Prevention	Observe good industrial hygiene practices.
Response	Rinse skin with water.
Storage	Store away from incompatible materials.
Disposal	Dispose of waste and residues in accordance with local authority requirements.

Other hazards which do not result in classification

Dusts may irritate the respiratory tract, skin and eyes. Pre-existing skin and respiratory conditions including dermatitis, asthma and chronic lung disease might be aggravated by exposure.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS#	Wt%	EC No.	EC Class
Crystalline Silica (Quartz)	14808-60-7	< 1%		
Calcium Hydroxide	1305-62-0	<20%		
Amorphous Silica-Natural	617090-53-2	<50%		
Montmorillonite	1302-78-9	<30 %		
Synthetic Polymer				

SECTION 4: FIRST AID MEASURES

Skin	Rinse skin with water. Get medical attention if irritation develops and persists.
Eyes	Do not rub eye. Rinse with water. Get medical attention if irritation develops and persists.
Ingestions	Rinse mouth. If ingestion of a large amount does occur, call a poison control center immediately.
Inhalation	If dust from the material is inhaled, remove the affected person immediately to fresh air. Call a physician if symptoms develop or persist.
Advice to Physician	Provide general supportive measures and treat symptomatically.
Most important symptoms/effects, acute and delayed	Contact with dust: Irritation of eyes and mucous membranes. Coughing.

SECTION 5: FIREFIGHTING MEASURES

Extinguishing Media	Use fire-extinguishing media appropriate for surrounding materials. Use carbon dioxide, foam, dry chemical or water fog.
Unsuitable extinguishing media	Do not use a solid water stream as it may scatter and spread fire.
Fire/Explosion Hazards	Dusts at sufficient concentrations can form explosive mixtures with air.
Fire Fighting Procedures	Wear full protective clothing and self-

	contained breathing apparatus
Flammable Limits	Not applicable.
Auto-Ignition Temperature	Not applicable.
Hazardous Combustion Products	During fire, gases hazardous to health may be formed.
Sensitivity to Impact	None
Sensitivity to Static Discharge	None
General fire hazards	The product may form dust and can accumulate electrostatic charges, which may cause an electrical spark (ignition source). Use proper grounding procedures.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions	Refer to Section 8 “Exposure Controls / Personal Protection”
Containment	Avoid dust formation. Collect dust or particulates using a vacuum cleaner with a HEPA filter. Do not use compressed air when cleaning. For waste disposal, see Section 13 of the SDS.
Clean Up	Avoid dust formation. Collect dust or particulates using a vacuum cleaner with a HEPA filter. Do not use compressed air when cleaning. For waste disposal, see Section 13 of the SDS. Clean up in accordance with all applicable regulations.
Notification Requirements	Environmental manager must be informed of all major spillages.

SECTION 7: HANDLING AND STORAGE

Handling Avoid inhalation of dust and contact with skin and eyes. Wear appropriate personal protective equipment. Wash hands after handling. Observe good industrial hygiene practices. Maintenance: Use work methods which minimize dust production. Use only in well-ventilated areas. Take precautionary measures against static discharges when there is a risk of dust explosion.

Storage Keep in original container. Store in a cool, dry, well-ventilated place. Store away from incompatible materials. Read and follow manufacturer's recommendations.

SECTION 8: EXPOSURE CONTROLS/ PERSONAL PROTECTION

Control parameters
Occupational exposure limits
US. ACGIH Threshold Limit Values

Components	TWA	Value	Form
Crystalline Silica (Quartz)	TWA	.3 mg/m ³	Respirable Particles
		30 mg/m ³	Inhalable Particles
Calcium Hydroxide		7340 mg	
Amorphous Silica-Natural		2.25 MG/M ³	

Engineering Controls Provide sufficient ventilation for operations causing dust formation. Follow above occupational exposure limit values for dusts. Ventilate as needed to control airborne dust. Use explosion-proof electrical equipment if airborne dust levels are high.

Personal Protective Equipment:

Eyes and Face	Risk of contact: Wear approved safety goggles.
Respiratory	Whenever dust in the worker's breathing zone cannot be controlled with ventilation or other engineering means, workers should wear respirators or dust masks approved by NIOSH/MSHA, EU CEN or comparable certification organization to protect them against airborne dust.
Hands, Body, and Arms	It is a good industrial hygiene practice to minimize skin contact. For prolonged or repeated skin contact use suitable protective gloves. Wear suitable protective clothing. It is a good industrial hygiene practice to minimize skin contact.

Exposure Guidelines:

Mexico OELs: Skin designation Methanol (CAS 67-56-1)
 Can be absorbed through the skin.
 US ACGIH Threshold Limit Values: Skin designation Methanol (CAS 67-56-1)
 Can be absorbed through the skin

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Tan powder
Odor	Odorless
Odor Threshold	Not applicable
Formula	Not applicable
Molecular Weight	Not applicable
pH	No information available

Melting point/freezing point	No information available
Initial boiling point/boiling range	No information available
Flash point	No information available
Evaporation rate	Not Applicable
Flammability (solid, gas)	Not combustible
Flammability in Air	
Upper flammability limit	No information available
Lower flammability limit	No information available
Vapor Pressure	Not applicable
Vapor Density	Not applicable
Bulk Density (g/l)	No information available
Specific Gravity	2.2 – 2.4
Water Solubility(ies)	Negligible
Partition coefficient	No information available
Decomposition temperature	No information available
Percent Volatile	No information available

SECTION 10: STABILITY AND REACTIVITY

Stability	The product is stable and non-reactive under normal conditions of use, storage and transport.
Conditions to Avoid	Contact with incompatible materials. Avoid dust close to ignition sources.
Materials to Avoid	Strong oxidizing agents. Strong acids. Hydrofluoric acid.
Polymerization	Will not occur.
Hazardous Decomposition	Carbon oxides.

SECTION 11: TOXICOLOGICAL INFORMATION

Eye	Dust may irritate the eyes. Exposed individuals may experience eye tearing, redness, and discomfort.
Skin	Dust may irritate skin.
Oral	May cause discomfort if swallowed.
Inhalation	Dust irritates the respiratory system, and may cause coughing and difficulties in breathing.
Chronic	Frequent inhalation of dust over a long period of time increases the risk of developing lung diseases. Prolonged and repeated overexposure to dust can lead to pneumoconiosis.
Carcinogenicity	Not classified.
ACGIH Carcinogens	Acetaldehyde (CAS 75-07-0) A3 Confirmed animal carcinogen with unknown relevance to humans.

SECTION 12: ECOLOGICAL INFORMATION

Acute Ecotoxicity	The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.
Chronic Ecotoxicity	No Data Available
Mobility	No Data Available
Abiotic Degradation	No Data Available

Biotic Degradation	No Data Available
Potential for Bioaccumulation	No Data Available

SECTION 13: DISPOSAL CONSIDERATIONS

Disposal Method Dispose in accordance with all applicable regulations.
Hazardous waste code Not regulated.

SECTION 14: TRANSPORT INFORMATION

Proper Shipping Name	Not regulated
Primary Hazard Class/Division	Not regulated
UN/NA Number	Not applicable
Label(s), Placard(s), Marking(s)	Not applicable
Reportable Quantity (RQ)	None
49 STCC Number	Not applicable
ADR (EU), TDG (Canada)	Not regulated
IMDG (sea), ICAO (air), IATA (air)	Not regulated

SECTION 15: REGULATORY INFORMATION

SARA Title III (Superfund Amendments and Reauthorization Act)

Section 302 Extremely Hazardous Substances: 40CFR355, Appendix A	Not listed
Section 311 Hazard Class 40CFR370	Immediate (acute)
Section 312 Threshold Planning Quantity (TPQ) 40CFR370	No TPQ listed
Section 313 Reportable Ingredients 40CFR372	Not listed

CERCLA (Comprehensive Environmental Response Compensation and Liability Act):

40CFR302.4 – There is no listed RQ (reportable quantity) for this product.

TSCA (Toxic Substance Control Act)

This product is listed on the TSCA Inventory of Chemical Substances. No other TSCA rules affect this product

State Regulations:

This product does not contain any components that are regulated under California Proposition 65.

Other:

Clean Water Act (CWA) – Section 301/ 311: Not listed Clean Air Act (CAA) – Section 112: Not regulated

CANADA:

WHMIS Classification

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

WHMIS Ingredient Disclosure List Listed

SECTION 16: OTHER INFORMATION

HMIS (Hazardous Material Identification System)

Health	1
Flammability	0
Physical Hazard	0
Personal Protection	B

Protection = B (Safety glasses and gloves)

4 = Severe, 3 = Serious, 2 = Moderate, 1 = Slight, 0 = Minimal

NFPA (National Fire Protection Association System)

Health	1
Flammability	0
Reactivity	0
Special	None

4 = Extreme, 3 = High, 2 = Moderate, 1 = Slight, 0 = Insignificant