



SAFETY DATA SHEET

Issue Date 08-Jan-2016

Revision Date 08-Jan-2016

Version 1

1. IDENTIFICATION

Product identifier

Product Name ElastoCrete Quick Grout Part A

Other means of identification Inorganic Cement

Product Code 100-003

UN/ID no.

Synonyms

Recommended use of the chemical and restrictions on use

Recommended Use To be used in Combination With Elastocrete Stabilizer Liquid

Uses advised against No Data

Details of the supplier of the safety data sheet

Manufacturer Address

Elastocrete 688 East Chad Ranch Road, Veyo, UT 84782 (435) 772-1345

For Chemical Emergency

Spill, Leak, Exposure or Incident

Company Phone Number (435) 772-1345

Call INFOTRAC 24 Hour Number 1-800-535-5053 or +1-352-323-3500 (outside USA)

2. HAZARDS IDENTIFICATION

Classification (GHS-US)

Not Classified

OSHA Regulatory Status

This chemical is NOT considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Acute toxicity - Inhalation (Vapors)	Category 0
Specific target organ toxicity (single exposure)	Category 0
Aspiration toxicity	Category 0
Flammable Liquids	Category 0

GHS-US Labeling

No Labeling Applicable

Unknown acute toxicity

None

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance

Chemical Name	CAS No.	Weight-%	Trade Secret
Oxides of calcium, silicon, aluminum, iron, and magnesium.	proprietary	0-50	*
Silicates of calcium, silicon, aluminum, iron and magnesium	proprietary	0-50	*

Potassium phosphate	7778-77-0	0-70	*
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*The exact percentage (concentration) of composition has been withheld as a trade secret.

4. FIRST AID MEASURES

Description of first aid measures

General advice	Move out of the dangerous area. Consult a physician. Provide this Safety Data Sheet to the doctor in attendance.
Eye contact	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
Skin contact	IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash off immediately with soap and plenty of water. If skin irritation persists, call a physician.
Inhalation	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. If breathing is irregular or stopped, administer artificial respiration. If symptoms persist, call a physician.
Ingestion	IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. Do NOT induce vomiting. Never give anything by mouth to an unconscious person.

Most important symptoms and effects, both acute and delayed

Symptoms Eye, Skin, and Respiratory Irritation. May cause allergic skin reaction.

Indication of any immediate medical attention and special treatment needed

Note to physicians Treat symptomatically. For additional information, see Safety Data Sheet.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media

Not combustible.

Unsuitable extinguishing media

None Known

Protective equipment and precautions for firefighters

Wear self-contained breathing apparatus and protective suit.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal precautions Use personal protective equipment as required. P261 - Avoid breathing dust/fume/gas/mist/vapors/spray. Ensure adequate ventilation, especially in confined areas. Remove all sources of ignition. Evacuate personnel to safe areas. Beware of vapors accumulating to form explosive concentrations. Vapors can accumulate in low areas.

Environmental precautions

Environmental precautions Prevent further leakage or spillage if safe to do so. Do not allow product to enter any drains or waterways. Where dust is created, use proper respiratory Protection. Dust may be vacuum cleaned.

Methods and material for containment and cleaning up

Methods for containment	Prevent further leakage or spillage if safe to do so. Dike to collect large liquid spills.
Methods for cleaning up	Use a non-combustible material like vermiculite or sand to soak up the product and place into a container for later disposal. Use clean non-sparking tools to collect absorbed material. Dispose according to local regulations.

7. HANDLING AND STORAGE**Precautions for safe handling**

Advice on safe handling	Do not handle until all safety precautions have been read and understood. Avoid contact with skin and eyes. Avoid breathing dust/fume/gas/mist/vapors/spray. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Ground and bond container and receiving equipment. Take measures to prevent the buildup of electrostatic charge. Use non-sparking tools. Wash hands and skin thoroughly after handling. Use only outdoors or in a well-ventilated area. Wear protective gloves/protective clothing/eye protection/face protection.
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Conditions for safe storage, including any incompatibilities

Storage Conditions	Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.
Incompatible materials	ACID (Strong) - vigorous reaction, heat generated; Chlorine Trifluoride reacts violently, producing flame; Phosphorous Pentachloride - incandescs brilliantly. NOTE: Exposure to water may cause this product to slowly hydrate, during which heat may be generated (exothermic reaction)

8. EXPOSURE CONTROLS/PERSONAL PROTECTION**Control parameters**

Exposure Guidelines	This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.
Appropriate engineering controls	

Engineering Controls	General/Local Ventilation Recommended.
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Individual protection measures, such as personal protective equipment

Eye/face protection	Wear safety glasses with side shields (or goggles).
Skin and body protection	Wear impervious protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to prevent skin contact. Wear chemical resistant gloves at minimum. Wash skin immediately upon contact. Wash hands at mealtime and end of shift.
Respiratory protection	Use respiratory protection unless adequate local exhaust ventilation is provided or exposure assessment demonstrates that exposures are within recommended exposure guidelines. Where concentrations are above recommended limits or are unknown, appropriate respiratory protection should be worn. Follow OSHA respirator regulations (29 CFR 1910.134) and use NIOSH/MSHA approved respirators.
General Hygiene Considerations	Handle in accordance with good industrial hygiene and safety practice. Wash hands before and after breaks and at the end of the work day.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical state	Solid	Odor	none
Appearance	White to Grey Powder	Odor threshold	No data available
Color			

<u>Property</u>	<u>Values</u>	<u>Remarks</u>	<u>Method</u>
pH	Aqueous solution 8-12		
Melting point / freezing point	Not Available		
Boiling point / boiling range	Not Available		
Flash point	Not Available		
Evaporation rate	Not Available		
Flammability (solid, gas)	Not Relevant/not combustible		
Flammability Limit in Air			
Upper flammability limit:	Not Available		
Lower flammability limit:	Not Available		
Vapor pressure	Not Available		
Vapor density	Not Available		
Relative density	Not Available		
Water solubility	Partially soluble		
Solubility in other solvents	Not Available		
Partition coefficient	Not Available		
Autoignition temperature	Not Available		
Decomposition temperature	Not Available		
Kinematic viscosity	Not Available		
Dynamic viscosity	Not Available		
Explosive properties	Not Available		
Oxidizing properties	Not Available		

Other Information

Softening point	Not Relevant
Molecular weight	Not Available
VOC Content (%)	0
Density	Not Available
Bulk density	Not Available

10. STABILITY AND REACTIVITY**Reactivity**

Not Available

Chemical stability

Stable.

Possibility of Hazardous Reactions

Hazardous polymerization does not occur.

Conditions to avoid

Excessive Heat, cold and moisture.

Incompatible materials

Keep away from strong oxidizing agents, strong alkalis, and strong acids.

Hazardous Decomposition Products

>1700 degrees C Metal Oxide fumes may be generated.

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Phosphorous Pentachloride - incandescens brilliantly. NOTE: Exposure to water may cause this product to slowly hydrate, during which heat may be generated (exothermic reaction).

11. TOXICOLOGICAL INFORMATION**Information on likely routes of exposure**

Product Information

Inhalation	Direct contact and dust inhalation.
Eye contact	Direct contact.
Skin contact	Direct contact.
Ingestion	Direct contact.

Information on toxicological effects

Symptoms May cause respiratory irritation. Causes serious eye irritation. Causes skin irritation.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Skin corrosion/irritation	Irritating to skin.
Serious eye damage/eye irritation	Irritating to eyes.
Irritation	Irritating to eyes, respiratory system and skin.
Sensitization	No data available.
Germ cell mutagenicity	No data available.
Carcinogenicity	No data available.
Reproductive toxicity	Not Available.
STOT - single exposure	Not Available.
STOT - repeated exposure	Not Available.
Aspiration hazard	Not Available.

Numerical measures of toxicity - Product Information

12. ECOLOGICAL INFORMATION

Material is expected to be harmful to aquatic organisms. May cause long-term adverse effects in the aquatic environment.

Ecotoxicity

No data available.

Persistence and degradability

No data available.

Bioaccumulation

No data available.

Other adverse effects

No data available.

13. DISPOSAL CONSIDERATIONS

Waste treatment methods

Disposal of wastes

Dispose of in accordance with all federal, state, and local regulations. If uncertain of local requirements, contact the proper environmental authorities for information on waste disposal in your area. Contact a licensed professional waste disposal service to dispose of this material.

Contaminated packaging

Dispose of in accordance with federal, state and local regulations.

14. TRANSPORT INFORMATION

DOT

UN/ID no. Not Regulated
Hazard Class
Packing Group
Marine pollutant

IATA

IMDG

15. REGULATORY INFORMATION

International Inventories

TSCA	Does not comply
DSL/NDSL	Does not comply
EINECS/ELINCS	Does not comply
ENCS	Does not comply
IECSC	Does not comply
KECL	Does not comply
PICCS	Does not comply
AICS	Does not comply

Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List
EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances
ENCS - Japan Existing and New Chemical Substances
IECSC - China Inventory of Existing Chemical Substances
KECL - Korean Existing and Evaluated Chemical Substances
PICCS - Philippines Inventory of Chemicals and Chemical Substances
AICS - Australian Inventory of Chemical Substances

US Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

SARA 311/312 Hazard Categories

Acute health hazard	Yes
Chronic Health Hazard	no
Fire hazard	no
Sudden release of pressure hazard	no
Reactive Hazard	No

CWA (Clean Water Act)

This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

CERCLA

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive

Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302)

US State Regulations

California Proposition 65

Portland cement, limestone, calcium oxide, magnesium oxide, and silica

U.S. State Right-to-Know Regulations

Portland cement, limestone, calcium oxide, magnesium oxide, and silica

U.S. EPA Label Information

16. OTHER INFORMATION, INCLUDING DATE OF PREPARATION OF THE LAST REVISION

<u>NFPA</u>	Health hazards 0	Flammability 0	Instability 0	Physical and Chemical Properties -
<u>HMIS</u>	Health hazards 0	Flammability 0	Physical hazards 0	Personal protection X

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Revision Note

No data available

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet