



KEYSTONE CEMENT COMPANY

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Exton, PA 19341

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March 11, 2009

Cava Building Supply Company
2007-11 Washington Avenue
Philadelphia, PA 19146

To Whom It May Concern:

This is to certify that all Keystone Type S Masonry Cement, that you will use, meets the requirements of the most recent revision of ASTM C-91 for Type S Masonry Cement. When this cement is mixed properly with three parts of ASTM C-144 masonry sand, it will produce an ASTM C-270 Type S Mortar.

If you need additional information, please do not hesitate to call me at (610) 903-0384 or our Technical Services Manager, Fred Croen, at (484) 886-9353.

Sincerely,

Paul F. Pepe
Regional Sales Manager

PPF:jf



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Material Safety Data Sheet

May be used to comply with OSHA's Hazard Communication Standard, 29 CFR 1910.1200. Standard must be consulted for specific requirements.

U. S. Department of Labor

Occupational Safety and Health Administration
(Non-Mandatory Form)
Form Approved
OMB No. 1218-0072

IDENTITY (As Used on Label and List)

Keystone Masonry Cements (Types N, S, & M)

Note: Blank spaces are not permitted. If any item is not applicable, or no information is available, the space must be marked to indicate that.

Section I

Manufacturer's Name

Keystone Cement Company

Emergency Telephone Number

(610) 837-1881

Address (Number, Street, City, State, and ZIP Code)

P. O. Box A

Telephone Number for Information

(610) 837-1881

Bath, PA 18014-0058

Date Prepared

January, 2009

Signature of Preparer (optional)

G. L. Opresko

Section II - Hazardous Ingredients/Identity Information

HAZARDOUS COMPONENTS	CAS #	LIMIT VALUES		
Portland Cement	65997-15-1	TWA	10 mg/m ³	total dust
		TWA	5 mg/m ³	respirable fraction
		PEL	50 mppcf	see Table Z-3
3 CaO - SiO ₂	12168-85-3			
2 CaO - SiO ₂	10034-77-2			
3 CaO - Al ₂ O ₃	12042-78-3			
4 CaO - Al ₂ O ₃ - Fe ₂ O ₃	12068-35-8			
CaSO ₄ - 2 H ₂ O	13397-24-5	PEL	15 mg/m ³	total dust
		TWA	15 mg/m ³	total dust
		PEL	5 mg/m ³	respirable fraction
		TWA	5 mg/m ³	respirable fraction
		PEL	15 mg/m ³	total dust
		TWA	15 mg/m ³	total dust
Limestone	1317-65-3	PEL	5 mg/m ³	respirable fraction
		TWA	5 mg/m ³	respirable fraction
		PEL	15 mg/m ³	total dust
		TWA	15 mg/m ³	total dust

Section III - Physical/Chemical Characteristics

Boiling Point	N/A	Specific Gravity (H ₂ O = 1)	2.8-3.0
Vapor Pressure (mm Hg.)	N/A	Melting Point	N/A
Vapor Density (AIR = 1)	N/A	Evaporation Rate (Butyl Acetate = 1)	N/A

Solubility in Water

Slight (0.1 - 1.0%)

Appearance and Odor

Gray Powder - Odorless

Section IV - Fire and Explosion Hazard Data

Flash Point (Method Used)	N/A	Flammable Limits	N/A	LEL	N/A	UEL	N/A
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Extinguishing Media

N/A

Special Fire Fighting Procedures

N/A

Unusual Fire and Explosion Hazards

None

Section V - Reactivity Data

Stability	Unstable		Conditions to Avoid Although no hazardous reaction will occur, masonry cement should be kept dry
	Stable	X	until used.

Incompatibility (*Materials to Avoid*)

None

Hazardous Decomposition or Byproducts

None

Hazardous Polymerization	May Occur		Conditions to Avoid
	Will Not Occur	X	

Section VI - Health Hazard Data

Route(s) of Entry:	Inhalation? Yes	Skin? Yes	Ingestion?
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Health Hazards (*Acute and Chronic*)

Acute: Wet cement, especially as an ingredient in plastic (unhardened) concrete, can dry the skin and cause alkali burns. Cement dust will irritate the eyes and upper respiratory system and can cause alkali burns. Chronic: Hypersensitive people may develop allergic dermatitis. Crystalline Silica less than 1% as determined by XRD.

Carcinogenicity:	NTP?	IARC Monographs?	OSHA Regulated?
N/A			

Signs and Symptoms of Exposure:

Reddened eyes, alkali burns to skin.

Medical Conditions

Generally Aggravated by Exposure Dermatitis.

Emergency and First Aid Procedures

Irrigate eyes with water. Wash affected areas of the skin with soap and water.

Section VII - Precautions for Safe Handling and Use

Steps to Be Taken in Case Material is Released or Spilled

Use dry clean-up methods that do not disperse the dust into the air. Avoid breathing the dust.

Waste Disposal Method

Can be disposed of as common waste.

Precautions to Be Taken in Handling and Storing

Prevent dust from being emitted. Wear respiratory protection as needed.

Other Precautions

Section VIII - Control Measures

Respiratory Protection (*Specify Type*)

NIOSH approved dust respirator.

Ventilation	Local Exhaust Yes	Special
	Mechanical (<i>General</i>)	Other

Protective Gloves

Yes

Eye Protection

Tight fitting goggles.

Other Protective Clothing or Equipment

Barrier cremes, gloves, boots.

Work/Hygienic Practices

Shower with soap and water immediately after working with cement.