

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)
 KWIXSET EXPANDING CEMENT

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 HARTLINE PRODUCTS CO., INC.	Emergency Telephone Number 216-291-2303
Address (Number, Street, City, State, and ZIP Code) 4568 MAYFIELD RD., SUITE 202	Telephone Number for Information 216-291-2303
Cleveland, Ohio 44121	Date Prepared 12-15-07
	Signature of Preparer (optional)

Section II — Hazardous Ingredients/Identity Information

Hazardous Components (Specific Chemical Identity; Common Name(s))	PEL mg/m ³	TLV mg/m ³	CAS No.
GYPSUM CEMENT %WT: 55	10	15/5 (respirable)	7778-18-9
PORTLAND CEMENT %WT: 45	10	15/5 (respirable)	65997-15-1

Section III — Physical/Chemical Characteristics

Boiling Point	NA	Specific Gravity (H ₂ O = 1)	2.7
Vapor Pressure (mm Hg.)	NA	Melting Point	NA
Vapor Density (AIR = 1)	NA	Evaporation Rate (Butyl Acetate = 1)	NA
Solubility in Water 0.2%	Hardening time 15-20 min.		
Appearance and Odor	Odorless, gray powder; - Gray when wetted.		

Section IV — Fire and Explosion Hazard Data

Flash Point (Method Used)	NA	Flammable Limits	LEL NA	UEL NA
Extinguishing Media	Not combustible			
Special Fire Fighting Procedures	None			
Unusual Fire and Explosion Hazards	None			

Section V — Reactivity Data

Stability	Unstable		Conditions to Avoid
	Stable	X	

Incompatibility (Materials to Avoid)

Hazardous Decomposition or Byproducts Above 1450°C - SO₂ and CaO

Hazardous Polymerization	May Occur		Conditions to Avoid
	Will Not Occur	X	

Section VI — Health Hazard Data

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

ACUTE: Eyes - May cause irritation. Skin - May develop sufficient heat to cause burns if a large mass, such as a cast of an arm or leg, is kept in contact with skin while hardening.

Inhalation: Dust is considered a nuisance dust. Chronic: - None.

Carcinogenicity:	NTP?	IARC Monographs?	OSHA Regulated?
Not carcinogenic.			

Signs and Symptoms of Exposure

Medical Conditions Generally Aggravated by Exposure

Emergency and First Aid Procedures

Eyes: Flood eyes for 15 minutes with water. Remove from skin by washing. If irritation continues, see physician. Inhalation: Gypsum Cement hardens when wetted and may result in obstruction if ingested. See Physician.

Section VII — Precautions for Safe Handling and Use

Steps to Be Taken in Case Material Is Released or Spilled Sweep up. Avoid creating excessive dust. Slurry may plug drains.

Waste Disposal Method In accordance with local, state and federal regulations.

Precautions to Be Taken in Handling and Storing Dew point conditions or other conditions causing presence of liquid water during storage will harden gypsum cement.

Other Precautions

Section VIII — Control Measures

Respiratory Protection (Specify Type) NIOSH approved nuisance dust respirator if above TLV.

Ventilation	Local Exhaust	Special
	Mechanical (General)	Other

Protective Gloves If dust or slurry is irritating. Eye Protection Dust Goggles or Safety Glasses if dust is annoying.

Other Protective Clothing or Equipment None

Work/Hygienic Practices