



SAFETY DATA SHEET

SECTION 1: IDENTIFICATION

Revision Date 01/30/2018

Product Name KWIXSET EXPANDING CEMENT
Identifier Uses No specific uses identified.
CRL Catalog Numbers KWX25, KWX50
Supplier Hartline Products Co Inc
4568 Mayfield Road
Suite 202
Cleveland Ohio
44121
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SECTION 2: HAZARDS IDENTIFICATION

Appearance Powder.
Color Gray.
Odor Odorless.

Pictogram(s)



Signal Word Danger

Hazard Statements H315 Causes skin irritation.
H318 Causes serious eye damage.
H317 May cause an allergic skin reaction
H335 May cause respiratory irritation.

Precautionary Statements P280 Wear protective gloves/ protective clothing/eye protection/face protection.
P202 Do not handle until all safety precautions have been read and understood.
P272 Contaminated work clothing should not be allowed out of the workplace.
P264 Wash thoroughly after handling.
P261 Avoid breathing dust/fume/ gas/mist/vapours/spray.
P304 + P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310 Immediately call a POISON CENTER or doctor/physician

Contains Cement, portland, chemicals

GHS Classification
Physical and Chemical Hazards Not classified
Human Health Skin Irrit.2 - H315, Eye Dam. 1 - H318, Skin. Sens 1 B- H317,, STOT SE 3 - H335
Environment Not classified

OSHA Regulatory Status This product is Hazardous under the OSHA Hazard communication Standard.

Inhalation Causes respiratory tract irritation.
Ingestion May cause discomfort if swallowed.
Skincontact Skin irritation. May cause allergic reactions. Do not allow product to harden around any

Eye contact	body part or allow continuous, prolonged contact with skin. Handling can cause dry skin. The product when wet is caustic and cause severe skin effects including cracking or burns in case of prolonged contact. Serious eye irritation. May cause redness, swelling, pain and tearing. Permanent eye damage including blindness could result.
Routes of Exposure	No Information available.

SECTION 3: Composition/Information on Ingredients

Name	Product Identifier	GHS Classification	%
Cement, portland, chemicals	CAS-No.: 65997-15-1 EC No.: 266-043-4	Skin Irrit.2 - H315, Skin. Sens 1 B- H317, Eye Dam. 1 - H318, STOT SE 3 - H335	45 %
Calcium Sulfate Hemihydrate	CAS-No.: 26499-65-0 EC No.:	Skin. Sens 1 - H317, Skin Corr. 1C - H314	55 %
Impurities			
Crystalline Silica (Quartz)	CAS-No.: 14808-60-7		Trace

SECTION 4: FIRST AID MEASURES

Description of first aid measures

General Information	General first aid, rest, warmth and fresh air.
Inhalation	If this product mist or dust is inhaled and symptoms occur, move the exposed person to fresh air promptly. Seek medical attention if symptoms persist. In case of persistent throat irritation or coughing: Seek medical attention and bring these instructions.
Ingestion	If this product is ingested, give the exposed large amount of water and seek medical attention promptly. Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person.
Skin contact	Remove affected person from source of contamination. Remove contaminated clothing. Wash the skin immediately with soap and water. Get medical attention promptly if symptoms occur after washing.
Eye contact	Do not rub eye. Make sure to remove any contact lenses from the eyes before rinsing. Promptly wash eyes with plenty of water while lifting the eye lids. Get medical attention immediately. Continue to rinse. Continue to rinse for at least 15 minutes.

Most important symptoms and effects, both acute and delayed

General Information	The severity of the symptoms described will vary dependant of the concentration and the length of exposure.
Inhalation	Causes respiratory tract irritation.
Ingestion	May cause discomfort if swallowed.
Skin contact	Skin irritation. May cause allergic reactions. Do not allow product to harden around any body part or allow continuous, prolonged contact with skin. Handling can cause dry skin. The product when wet is caustic and cause severe skin effects including cracking or burns in case of prolonged contact.
Eye contact	Serious eye irritation. May cause redness, swelling, pain and tearing. Permanent eye damage including blindness could result.
Routes of Exposure	No Information available.

Most important symptoms and effects, both acute and delayed

Notes To The Physician	Treat Symptomatically.
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SECTION 5: Firefighting Measures

Auto Ignition Temperature (°C)	No Information available.
Flammability Limit- Lower(%)	No Information available.
Flammability Limit- Upper(%)	No Information available.
Flashpoint	No Information available.
Extinguishing Media	Use fire-extinguishing media appropriate for surrounding materials.
Hazardous combustion products	Hazardous combustion may result in but it not limited to the release of oxides of calcium and sulfur.
Unusual Fire & Explosion Hazards	
Special Fire Fighting Procedures	Avoid breathing fire vapors. Ventilate closed spaces before entering them. Water spray should be used to cool containers.

Protective equipment for fire-fighters

Fire fighters should wear full protective equipment, including a NIOSH-approved self-contained breathing apparatus with full face piece operated in the pressure demand or other positive pressure mode.

SECTION 6: Accidental Release Measures

Personal Precautions

Use personal protection recommended in Section 8. Keep people away from and upwind of spill/leak. Wear appropriate protective equipment and clothing during clean-up. Avoid inhalation of dust. Use a NIOSH/MSHA approved respirator if there is a risk of exposure to dust/fume at levels exceeding the exposure limits. Ensure adequate ventilation.

**Environmental Precautions
Spill Clean Up Methods**

Keep out of drains and water course. Safely stop source of spill. Clean up spills immediately. Restrict non-essential personnel from the area. Wear protective clothing, goggles and respirator if ventilation is not adequate. Sweep up spilled material and place into container for reuse or disposal. Dispose of waste in accordance with local, state or federal regulations. Use vacuum or wet mop to clean up dust. Flush spill area with water.

SECTION 7: Handling and Storage

Handling

Avoid prolonged or repeated contact. Do not use contact lenses. Eliminate all sources of ignition. Use proper personal protection when handling (refer to Section 8). Use under well-ventilated conditions. Avoid contact with eyes, skin and clothing.

Usage Description

When handling the product avoid bodily contact and use appropriate personal protective Equipment Use only according to directions.

Storage Precautions

Store closed containers in a cool, dry, well-ventilated area away from incompatible materials. This product is stable under normal conditions of handling and storage. Avoid cold temperatures. Avoid contact with acids, water and moisture.

Specific End Use(s)

The identified uses are in section 1 of this Safety Data Sheet.

SECTION 8: Exposure Controls/Personal Protection

Protective Equipment



Component	STD	TWA (8 Hrs)		STEL (15mins)		Notes
Cement, portland, chemicals	OSHA	50ppm	15mg/m3			
Calcium Sulfate Hemihydrate	OSHA		15mg/m3			Total Dust
Calcium Sulfate Hemihydrate	OSHA		5mg/m3			Repairable Dust

Ingredient Comments

OSHA

Process Conditions

Provide eyewash, quick drench.

Engineering Measures

Provide adequate ventilation, including appropriate local extraction, to ensure that the defined occupational exposure limit is not exceeded.

Respiratory Equipment

A NIOSH approved dust mask or filtering face piece is recommended in poorly ventilated areas or when permissible exposure limits may be exceeded. Respirators should be selected by and used under the direction of a trained health and safety professional following requirements found in OSHA's respirator standard (29 CFR 1910.134) and ANSI's standard for respiratory protection (Z88.2).

Hand Protection

Wash thoroughly after handling. Wear chemical resistant gloves.

Eye Protection

Wear safety glasses with side shields (or goggles). Ensure compliance with OSHA's PPE standard (29 CFR 1910.132 and .133) for eye and face protection.

Hygiene Measures

DO NOT SMOKE IN WORK AREA! Wash hands at the end of each work shift and before eating, smoking and using the toilet. Wash promptly if skin becomes wet or contaminated. Promptly remove any clothing that becomes contaminated. Do not eat, drink or smoke when using.

SECTION 9: Physical and Chemical Properties

Information on Basic Physical and Chemical Properties

Appearance	Powder.
Color	Gray.
Odor	Odorless.
Odor Threshold - Lower	No Information available.
Odor Threshold - Upper	No Information available.
pH-Value, Conc. Solution	No Information available.
Melting point	No Information available.
Initial boiling point and boiling range	No Information available.
Flashpoint	No Information available.
Evaporation rate	No Information available.
Flammability State	No Information available.
Flammability Limit- Lower(%)	No Information available.
Flammability Limit- Upper(%)	No Information available.
Vapor pressure	No Information available.
Vapor Density (air=1)	No Information available.
Relative density	2.7 @ 0.0
Bulk Density	No Information available.
Solubility	Slightly.
Decomposition temperature	No Information available.
Partition coefficient; n-octanol/water	No Information available.
Auto Ignition Temperature (°C)	No Information available.
Viscosity	No Information Available
Explosive Properties	No Information Available
Oxidizing properties	Does not meet the requirements for oxidizing
Molecular Weight	No Information available.
Volatile Organic Compound	Not known.

SECTION 10: Stability and Reactivity

Reactivity	Reaction with: Acids and water. Exposure to acids and water can result in large amounts of heat.
Stability	Stable under normal temperature conditions and recommended use.
Hazardous Polymerization	Hazardous polymerization is not expected to occur under normal temperatures and pressures.

Hazardous Decomposition Products Hazardous decomposition products may include calcium oxide and sulfur dioxide.

Conditions to Avoid Avoid contact with water and moisture.

Materials to Avoid

SECTION 11: Toxicological Information

Toxicological Information	Prolonged inhalation may be harmful. Inhalation of dusts may cause respiratory irritation.
Acute Toxicity(Oral LD50)	No Information available.
Acute Toxicity (Dermal LD50)	No Information available.
Acute Toxicity (Inhalation LC50)	No Information available.
Skin Corrosion/Irritation	No Information available.
Respiratory Sensitization	No Information available.
Skin Sensitization	No Information available.
Reproductive Toxicity:	No Information available.
Germ Cell Mutagenicity:	
Genotoxicity - In Vitro	
Genotoxicity - In Vivo	
Carcinogenicity:	
Carcinogenicity	No Information available.
NTP - Carcinogenicity	The product and its components are not listed.
OSHA - Carcinogenicity	The product and its components are not listed.
IARC Carcinogenicity	The product and its components are not listed.
Specific Target Organ Toxicity - Single Exposure:	
STOT - Single Exposure	No Information available.
Specific Target Organ Toxicity - Repeated Exposure:	
STOT - Repeated Exposure	No Information available.

SECTION 12: Ecological Information

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.
Acute Toxicity - Fish	No Information available.
Acute Toxicity - Aquatic Invertebrates	No Information available.
Acute Toxicity - Aquatic Plants	No Information available.
Degradability	The degradability of the product has not been stated.
Bioaccumulative Potential	
Mobility	No information available
Results of PBT and vPvB Assessment	No information available.
Other Adverse Effects	No information available.

Name	Acute Toxicity (Fish)	Acute Toxicity (Aquatic Invertebrates)	Acute Toxicity (Aquatic Plants)
Calcium Sulfate Hemihydrate	LC50 96 Hours>1970.00ppm		

SECTION 13: Disposal Considerations

Waste Management	When handling waste, consideration should be made to the safety precautions applying to handling of the product.
Disposal Methods	Under RCRA, it is the responsibility of the user of the product to determine, at the time of

disposal, whether the product meets RCRA criteria for hazardous waste. Empty containers or liners may retain some product residues. Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied.

SECTION 14: Transport Information

UN No. (DOT/TDG)	Not applicable.
UN No. (IMDG)	Not applicable.
UN No. (ICAO)	Not applicable.
DOT Proper Shipping Name	Not applicable.
TDG Proper Shipping Name	Not applicable.
DOT Hazard Class	Not applicable.
DOT Hazard Label	Not applicable.
TDG Class	Not applicable.
TDG Label(s)	Not applicable.
IMDG Class	Not applicable.
ICAO Class	Not applicable.
Transport Labels	
DOT Pack Group	Not applicable.
IMDG Pack Group	Not applicable.
Air Pack Group	Not applicable.
EMS	Not applicable.
Environmentally Hazardous Substance/Marine Pollutant	No

SECTION 15: Regulatory Information

US Federal Regulations

SARA Section 302 Extremely Hazardous Substances Tier II Threshold Planning Quantities

The Following ingredients are listed None Listed.

CERCLA/Superfund, Hazardous Substances/Reportable Quantities (EPA)

The Following ingredients are listed None Listed.

SARA Extremely Hazardous Substances EPCRA Reportable Quantities

The Following ingredients are listed None Listed.

SARA 313 Emission Reporting

The Following ingredients are listed None Listed.

CAA Accidental Release Prevention

The Following ingredients are listed None Listed.

OSHA Highly Hazardous Chemicals

The Following ingredients are listed None Listed.

US State Regulations

California Proposition 65 Carcinogens and Reproductive Toxins

The Following ingredients are listed None Listed.

California Air Toxics "Hot Spots" (A-I)

The Following ingredients are listed None Listed.

California Air Toxics "Hot Spots" (A-li)

The Following ingredients are listed None Listed.

Massachusetts "Right To Know" List

The Following ingredients are listed Cement, Portland, chemicals

Rhode Island "Right To Know" List

The Following ingredients are listed None Listed.

Minnesota "Right To Know" List

The Following ingredients are listed Cement, Portland, chemicals

New Jersey "Right To Know" List

The Following ingredients are listed Cement, Portland, chemicals
Calcium Sulfate Hemihydrate

Pennsylvania "Right To Know" List

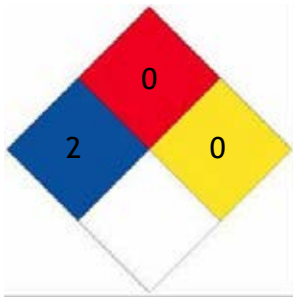
The Following ingredients are listed Cement, Portland, chemicals
Calcium Sulfate Hemihydrate

International Inventories

TSCA: All chemical substances in this material are included on or exempted from listing on the TSCA Inventory of Chemical Substances.

SECTION 16: Other Information

NATIONAL FIRE PROTECTION ASSOCIATION (NFPA)



HAZARDOUS MATERIAL INFORMATION SYSTEM (HMIS)

Health	2
Flammability	0
Physical Hazard	0
Personal Protection	B

Revision Comments
 Revision Date 05/22/2015
 Revision 1

Disclaimer

This 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. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.