



SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION

Product Name: MER-KO UNDERLAYMENT CEMENT
 Product Code: MK-10
 Manufacturer/Supplier: WESTCOAT SPECIALITY COATING SYSTEMS
 4007 Lockridge St
 San Diego, CA 92102
 Further information obtainable from: www.mer-ko.com
 Contact phone number: 844-537-7203
 In case of emergency, contact CHEMTREC: 800-424-9300

SECTION 2 - HAZARD IDENTIFICATION

Hazard pictograms (GHS-US): Irritant 

Hazard pictograms (GHS-US): Health Hazards 

Signal word (GHS-US): Warning

Hazard statement (GHS-US):
 H303 Can be harmful if swallowed
 H320 Causes eye irritation
 H335 May cause respiratory irritation
 H313 May be harmful in contact with skin

Precautionary statements (GHS-US):
 P402 Store in a dry place.
 P280 Wear protective gloves/protective clothing/eye protection/face protection.
 P302+P352 IF ON SKIN: Wash with plenty of soap and water
 P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P304+P341 IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing
 P301+P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician

HMS codes:

Health	1*
Flammability	0
Reactivity	0
Protective equipment	E

Information concerning particular hazards for human and environment:
 May be harmful if ingested.
 Dust may be irritating to eyes, respiratory system, and skin.
 Not known to cause reproductive harm or birth defects.
 Keep out of reach of children.

Section 3 - COMPOSITION / INFORMATION ON INGREDIENTS

Chemical characterization

Dangerous components:			
CAS #	Name	Exposure Limit	
14808-60-7	Crystalline silica	OSHA PEL (Respirable quartz)	10 mg/m ³ / (% silica + 2)
		ACGIH TLV	0.025 mg/m ³ (respirable)
65997-15-1	Portland cement	OSHA PEL (Respirable)	5 mg/m ³
		OSHA PEL (total)	15 mg/m ³
		ACGIH TLV (Respirable)	10mg/m ³ (Less 1% Quartz)

Additional information: n/a

Section 4 - FIRST AID MEASURES

General information:	n/a
After inhalation:	Remove to fresh air. If not breathing, give artificial respiration. If having difficulty breathing, give oxygen. Get immediate medical attention.
After skin contact:	Wash affected area thoroughly with soap and water. Remove contaminated clothes and launder before re-use.
After eye contact:	Immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention.
After swallowing:	Do not induce vomiting. Get medical attention immediately.

Section 5 - FIRE-FIGHTING MEASURES

General information:	This product does not support combustion and is non-flammable.
Flash point:	n/a
Suitable extinguishing agents:	For the dried product, use carbon dioxide, dry chemical, or alcohol foam.
Hazardous combustion products:	n/a
Protective equipment:	n/a
Firefighting instructions:	n/a

Section 6 - ACCIDENTAL RELEASE MEASURES

Measures for environmental protection:	Keep spilled products out of sewers, streams, and water systems.
Measures for cleaning/collecting:	For dry material, collect by sweeping and scooping. Transfer collected material to a container, being careful to minimize creation of dust. For wet material, scoop material up and transfer to an open container. Allow material to dry before disposal.
Additional information:	See section 13 and section 15 for specific regulatory information concerning this product.

Section 7 - HANDLING AND STORAGE

Handling:	Wear appropriate protective equipment when working with this product. Promptly remove dusty clothing, or clothing wet with product mix, and launder before re-using. Wash thoroughly after exposure to stucco dust, or wet product mixtures. Keep out of reach of children.
Storage:	Store in a dry location. Atmospheric temperatures and pressures do not affect the shelf life of this product. However, moisture contamination will render the product useless. Keep product concentrate dry until use.

Section 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

Additional information about design of technical facilities:
n/a

Ingredients with limit values that require monitoring at the workplace:			
CAS #	Name	Exposure Limit	
		14808-60-7	Crystalline silica
ACGIH TLV	0.025 mg/m ³ (respirable)		
65997-15-1	Portland cement	OSHA PEL (Respirable)	5 mg/m ³
		OSHA PEL (total)	15 mg/m ³
		ACGIH TLV (Respirable)	10mg/m ³ (Less 1% Quartz)

Additional information:	The lists valid during the making were used as a basis.
Personal protective equipment:	
ventilation	Use local exhaust. General exhaust acceptable if the exposure to materials above is maintained below applicable exposure limits. Refer to OSHA Standards 1910.94, 1910.107, and 1910.108.
respiratory protection	If personal exposure cannot or may not be controlled below applicable limits by ventilation, wear properly fitted respirator approved by NIOSH/MSHA for protection against materials described above.
eye protection	Wear safety glasses to reduce the potential for eye contact.
skin protection	Prevent prolonged or repeated contact by using rubber gloves and appropriate protective clothing.

Section 9 - PHYSICAL AND CHEMICAL PROPERTIES

General information:	
form	powdered solid
color	gray
odor	no distinct odor
pH	12-13 in water
Change in condition:	
melting point/melting point range	n/a
boiling point/boiling point range	n/a
evaporation rate:	n/a
vapor density:	n/a
Specific gravity:	2.54
Solubility in/Miscibility with water:	dispersible
Density at 20°C:	21.16 lb/gal
VOC:	0.0 g/L (0.0 lb/gal)

Section 10 - STABILITY AND REACTIVITY

Conditions to be avoided:	None known
Chemical stability:	Stable
Materials to be avoided:	None known
Hazardous polymerization:	Will not occur
Dangerous decomposition products:	Will not spontaneously occur. Addition of water will produce caustic calcium hydroxide, which can cause chemical burns.

Section 11 - TOXICOLOGICAL INFORMATION

Acute toxicity:	
crystalline silica (quartz, cristobalite)	Considered a known human carcinogen by Federal (OSHA) and advising health agencies (IARC, NIOSH, and NTP). Additionally, crystalline silica can cause a lung condition known as silicosis after long term exposure to dusts containing crystalline silica. Exposure of workers to crystalline silica containing dusts is specifically regulated by OSHA. The use of a correctly fitted, NIOSH approved respirator suitable for use against crystalline silica inhalation is essential for minimizing exposure to this danger.
mineral dusts	Some items mentioned in Section 8 are considered mineral dusts by OSHA and a correctly fitted, NIOSH approved respirator is required when working with this product.
Portland cement and calcium hydroxide	A single, short term exposure to the dry form of these two items, which are present in this stucco concentrate mix, are not likely to cause serious harm. However, exposure of sufficient duration to wet stucco can cause serious, potentially irreversible tissue destruction of the skin or eye from caustic chemical burns, including third degree burns. The same type of tissue destruction can occur if wet or moist areas of the body are exposed for sufficient duration to dry stucco concentrate. Wet stucco is caustic and personal protective equipment, and proper work hygiene, must be employed for protection against personal injury.
Primary irritant effect:	
on the skin	Exposure of skin to wet product mix may cause chemical burns. Symptoms of exposure may take several hours to manifest.
on the eye	Exposure of eyes to wet product mix may cause chemical burns and blindness. Exposure to airborne dust can cause immediate or delayed irritation or inflammation.
through ingestion	May be harmful if ingested.
through inhalation	Dust generated during handling this product concentrate may cause irritation to the respiratory tract.
Additional toxicological information:	n/a

Section 12 - ECOLOGICAL INFORMATION

Elimination (persistence and degradability):	n/a
Behavior in environmental systems:	n/a
Mobility and bioaccumulation potential:	n/a
General notes:	n/a

Section 13 - DISPOSAL CONSIDERATIONS

Product recommendation: This product must be disposed of in accordance with applicable local, state and federal regulations. Where possible, it is best to use up any excess material.

Uncleansed packaging recommendation: Disposal must be made according to official regulations.

Section 14 - TRANSPORT INFORMATION

Land transport USDOT Not classified as a dangerous good under transport regulations

Sea transport IMDG Not classified as a dangerous good under transport regulations

Air transport IATA/ICAO Not classified as a dangerous good under transport regulations

Section 15 - REGULATORY INFORMATION

US Federal regulations

CERCLA, section 103 (40CFR302.4)		
This product contains the following toxic chemicals that require notification of the National Response Center of releases of quantities of hazardous substances equal to or greater than the Reportable Quantities (RQ):		
No reportable quantities are present.		
Clean Air Act, section 112		
This product contains the following components present at or above the minimum level and listed as Hazardous or Extremely Hazardous Air Pollutants:		
No reportable quantities are present.		
SARA, section 302 (40CFR355.30) and section 304 (40CFR355.40)		
This product contains the following items that require emergency planning based on Threshold Planning Quantities (TPQ) or release reporting based on RQ:		
No reportable quantities are present.		
SARA, section 311/312 (40CFR370.21) Hazard classification for this product		
Fire: No	Pressure generating: No	Reactivity: No
Acute health: Yes	Chronic health: Yes	
SARA, section 313 (40CFR372.65)		
This product contains the following substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendment and Reauthorization Act of 1986:		
No reportable quantities are present.		
EPA VOC regulations		
Theoretical VOC for this product = 0.0 g/L (0.0 g/gal)		
TSCA		
All components of this product are listed, or are exempt from listing on the TSCA inventory.		
OSHA		
This Safety Data Sheet is prepared to comply with the United States Occupational Safety and Health Administration (OSHA) Hazard Communication Standard (29 CFR1910.1200). Unlisted ingredients are not 'hazardous' per OSHA standards.		
In addition to items listed in Section 11, this product contains the following items that are specifically regulated by OSHA. Exposure limits may be found in Section 8.		
Portland cement	CAS #	65997-15-1
Magnesium Silicate	CAS #	14807-96-6

State regulations

California Prop65		
Warning - The following chemicals are present in this coating product in small amounts. These chemicals are listed by the California EPA as materials known to the State of California to cause cancer, (and/or) birth defects, (and/or) other reproductive harm:		
Crystalline Silica	CAS #	14808-60-7
Portland cement	CAS #	65997-15-1
Magnesium Silicate	CAS #	14807-96-6

Section 16 - OTHER INFORMATION

Westcoat Specialty Coating Systems believes, to the best of its knowledge, the information contained herein to be accurate and reliable as of the date of this safety data sheet. However, because the conditions of handling, use, and storage of these materials are beyond our control, we assume no responsibility or liability for personal injury or property damage incurred by the use of these materials. Westcoat Specialty Coating Systems makes no warranty, expressed or implied, regarding the accuracy or reliability of the data or results obtained from their use. All materials may present unknown hazards and should be used with caution. The information and recommendations in this material safety data sheet are offered for the users' consideration and examination. It is the responsibility of the user to determine the final suitability of this information and to comply with all applicable international, federal, state, and local laws and regulations.