

Safety Data Sheet

SECTION 1 - MATERIAL IDENTIFICATION

Trade Name and Synonyms: PliKote HMC

Product Number: 61507

Manufacturers Code I.D. : 61505

Chemical Name and Synonyms: Ceramic Coating

Chemicals: Calcium Metasilicate

Recommended Use: Plastics/elastomers, paints and coatings, adhesives and sealants, construction, friction and metallurgy

Supplier: Plibrico Company, LLC - 1935 Techny Road - Unit 16, Northbrook, IL 60062
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SECTION 2- HAZARDOUS IDENTIFICATION


Emergency Overview: Repeated and prolonged exposure to large amounts of dust can cause lung injury (pneumoconiosis).

Signal Word: None

Hazard Statement: None

Precautionary Statements: None

HMIS Rating	
Health	* 1
Flammability	0
Physical Hazard	0
Personal Protection	B

NFPA Rating <small>scale 0-4</small>		
Flammability		
Health	* 0	0
Special		
Instability		

SECTION 3- HAZARDOUS INGREDIENTS

Ingredients (checked)	C.A.S. No.	Weight %	TLV ACGIH mg/m ³	OSHA PEL mg/m ³	EINECS
<input checked="" type="checkbox"/> Calcium Metasilicate	13983-17-0	> 94	3 (dust)	5 mg/m ³ TWA(dust)	237-772-5
<input checked="" type="checkbox"/> Calcium Carbonate	1317-65-3	< 2	N/A	N/A	207-439-9
<input checked="" type="checkbox"/> Magnesium Calcium Silicate	14483-19-3	< 2	N/A	N/A	N/A
<input checked="" type="checkbox"/> Aluminum Silicate	68476-25-5	< 2	N/A	N/A	270-666-7

The above mentioned products are a natural association of Calcium metasilicate, calcite, diopside and feldspar.

SECTION 4- FIRST AID MEASURES

Inhalation: Excessive inhalation of dust may cause breathing difficulties. Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get attention.

Eyes: Immediately rinse with water for several minutes.

Skin: Wash skin thoroughly with soap and water.

Ingestion: Drink plenty of water. Never give liquid to an unconscious person.

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SECTION 5- FIRE FIGHTING MEASURES

Unusual Fire and Explosive Hazards: The product is not flammable, combustible or explosive. No hazardous thermal decomposition.

Fire Fighting Equipment: No specific special fire-fighting protection is required.

Extinguishing Media: All extinguishing media can be used.

SECTION 6- ACCIDENTAL RELEASE MEASURES

Environmental Precautions: Contain any spills immediately and dike area to prevent spreading. Package and dispose of in appropriate landfill. Dried material is not considered hazardous.

Steps to be taken in case material is released or spilled: Wear protective clothing as described in Section 8 of this sheet. MSHA/NIOSH or OSHA/NIOSH approved respirator recommended. Spilled materials may cause slippery conditions when wet. Care should be exercised when walking on spills on floor or concrete pads. Dispose of in accordance with all local, state, and federal regulations. Neutralizing chemicals are not required

Waste Disposal Method: Vacuum, pump or scoop spilled material into containers for reclaiming or disposal. Do not discharge into drains, watercourses or onto the ground.. Wastes may be disposed of in a landfill, however, in accordance with federal, state, and local regulations.

SECTION 7 - HANDLING AND STORAGE

Handling: Minimize dust generation and accumulation. If excessive dust is generated, provide adequate ventilation and use proper respiratory and personal protective equipment.

Storage: Store in a cool and well-ventilated place.

SECTION 8 - EXPOSURE CONTROL/PERSONAL PROTECTION

Ventilation: Local and Mechanical: follow OSHA STD 29 CFR 1910.94. Avoid wind dispersal.

Respiratory Protection: Good ventilation should be provided if dust is created when working with materials. If these are not sufficient to maintain concentrations of particulates below the OEL, suitable respiratory protection must be worn. Provide adequate general and local exhaust ventilation. If a respirator is required, use of a MSHA/NIOSH or OSHA/NIOSH approved respirator is recommended.

Skin Protection Gloves: Protective gloves recommended. Rubber gloves are recommended for prolonged exposure.

Eye Protection: Safety glasses, goggles, or face shield. Wear as appropriate: Safety glasses with side-shields.

Other Protective Equipment: As required to meet applicable OSHA standards.

Note: See Section 3 for occupational exposure limit values.



SECTION 9- PHYSICAL AND CHEMICAL PROPERTIES

Appearance, Color & Odor: Acicular, free flowing non-metallic white mineral powder, odorless

Solubility in Water: Negligible	Solubility in Acid: Yes	Specific Gravity (H ₂ O = 1): N/A
Boiling Point: N/A	pH: 9.9 (10% slurry in water)	Vapor Pressure: Approx. = N/A Vapor
Relative Density: 2.9 g/cm ³	Freezing Point: Does not freeze	Density (air =1): Approx. = N/A%
Decomposition Temp.: N.I.	Melting Point: 1540°C	Volatiles by weight: N/A
Flash Point (Test Method): None	Combustibility: Not flammable	Evaporation Rate (BuAc = 1): N/A
Explosive properties: Not explosive	Oxidizing properties: Non-oxidizing	

SECTION 10- STABILITY AND REACTIVITY DATA

Stability: Stable under normal conditions.

Incompatibility: None

Conditions to Avoid: None

Hazardous Decomposition Products: None

SECTION 11 - TOXICOLOGICAL INFORMATION

Effects of overexposure - Inhalation: Repeated and prolonged exposure to large amounts of dust can cause lung injury (pneumoconiosis).

Carcinogenicity: None

Acute Toxicity Values: Risk of injury is dependent on the duration and level of exposure.

SECTION 12 - ECOLOGICAL INFORMATION

Ecotoxicity: No specific adverse effects known
Persistence and Degradability: Not relevant
Bioaccumulative Potential: Not relevant
Mobility in Soil: Negligible
Other Adverse Effects: No specific adverse effects known

SECTION 13 - DISPOSAL CONSIDERATIONS

Waste Disposal Method: Where possible, recycling is preferable to disposal. Product should be disposed in compliance with local regulations. Dust formation from residues in packaging should be avoided and suitable worker protection assured. Store used packaging in enclosed receptacles. The re-use of packaging is not recommended. Recycling and disposal of packaging should be carried out in compliance with local regulations.
Steps to be Taken in Case Material is Released or Spilled: Use personal protective equipment as necessary. Dispose in accordance with all local, state, and federal regulations.

SECTION 14 - TRANSPORT INFORMATION

Special Transport Precautions: None

DOT Shipping Name: Not regulated

Hazardous Ingredients(s): None

DOT Hazard Class: Not regulated

UN Number: None

SECTION 15 - REGULATORY INFORMATION

U.S. Federal Regulations:

EPA-TSCA: Calcium metasilicate is exempt from the TSCA Inventory as a naturally occurring mineral.

EPA-CERCLA Reportable Quantity: Not applicable.

EPA-SARA Title III: Substances in this product are not reportable under Section 313.

EPA-FIFRA: Calcium metasilicate is present on the list of Pesticide Product Inert Ingredients.

FDA: Approved as pigment or colorant in food contact surface coatings, 21 CFR 175.300.

OSHA: Particulate is regulated as a nuisance dust – Particulate Not Otherwise Regulated (PNOR).

ACGIH: Particulate is regulated as a nuisance dust – Particulate Not Otherwise Classified (PNOC).

International Regulations:

Industrial Safety and Health Law: This product does not contain harmful or controlled hazardous substances under ISHL.

Toxic Chemical Control Act: This product does not contain chemical substances regulated as toxic, observational, restricted or banned under TCCA.

Chemical Safety Assessment: Exempted from REACH registration in accordance with Annex V.7.

WHMIS RATING (CANADA):

WHMIS: Not controlled by WHMIS.

DSL: As a naturally occurring substance, Calcium metasilicate is considered to be on the Canadian Domestic Substances List (DSL).

SECTION 16 - OTHER INFORMATION

Only Trained personnel should use this material.

Abbreviations:

ACGIH: American Conference of Governmental Industrial Hygienists

CAS: Chemical Abstracts Service

DOT: Department of Transportation

EPA: Environmental Protection Agency

NFPA: National Fire Protection Association

NIOSH: National Institute for Occupational Safety and Health

OSHA: Occupational Safety and Health Administration

WHMIS: Workplace Hazardous Materials Information System (Canada)

DISCLAIMER

The information presented herein is presented in good faith and believed to be accurate as of the effective date of this Safety Data Sheet. Occupational exposure limits are under constant review and may be changed at any time. Employers may use this SDS to supplement other information gathered by them in their efforts to assure the health and safety of their employees and the proper use of this product. This summary of the relevant data reflects professional judgment. Employers should note that information perceived to be less relevant has not been included in this SDS. Therefore, given the summary nature of this document, Plibrico Company, LLC, does not extend any warranty (expressed or implied), assume any responsibility or make any representation regarding the completeness of this information or its suitability for the purposes envisioned by the user. 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. In addition, Plibrico Company, LLC, shall not be liable for injury arising by either misuse of materials, or failure to follow safety procedures as outlined in the safety data sheet.

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