

MATERIAL SAFETY DATA SHEET

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This document is prepared pursuant to the OSHA Hazard Communication Standard (29 CFR 1910.1200). Where a proprietary ingredient is shown, the identity may be made available as provided in this standard.

All components of this product are included in the EPA Toxic Substance Control Acts (TSCA) Chemical Substance Inventory.

Cement Type 1 is guaranteed, when shipped to meet the requirements of ASTM Specifications C-150 and ASHTO Specifications M-85

SECTION 1. PRODUCT NAME:

KASTONE VENEER PRODUCTS

Chemical family: Inorganic Manufactured Stone, Inorganic Metal Oxide and Cement Dispersing Agent.

SECTION 2. HAZARDOUS INGREDIENTS:

<u>INGREDIENT</u>	<u>CASNO</u>	<u>TLV</u>	<u>PEL</u>
Portland Cement	65997-15-1	10mg/m3 TWA	15mg/ m3 (5mg respirable / m3)
Calcium Carbonate (gravel)	1317-65-3	10mg/m3 TWA	15mg/ m3 (5mg respirable / m3)
May contain Crystalline Silica	14808-60-7	0.1mg/m3	15mg/ m3 (5mg respirable / m3)
Iron Oxide	1309-37-1	10mg/m3 TWA	15mg/ m3 (5mg respirable / m3)

SECTION 3. PHYSICAL DATA:

Boiling Point (°C).....N/A	Odor.....Odorless
Percent Volatile.....N//A	Appearance.....Solid, many colors
Freezing Point.....N/A	Specific Gravity.....3.0 to 3.6 (68° F)
Vapor Pressure.....N/A	Solubility in Water..Insoluble
Vapor Density.....Not a Vapor	Evaporation Rate....N/Av
Ph.....ca. 6.5	Physical State.....Dry Stone/Solid

N/A means Not Applicable

ca. means Approximate

SECTION 4. STABILITY AND REACTIVITY DATA:

Stability: Stable

Incompatibility (Materials to Avoid): None, N/A

Hazardous Decomposition or Byproducts: None, N/A

Hazardous Polymerization: Will not occur

SECTION 5. HAZARDS IDENTIFICATION:

Inhalation Hazards: Using any product altering methods such as: dry cutting, sawing, grinding, sanding, breaking or drilling may result in the release of respirable crystalline quartz silica. Prolonged exposure to respirable quartz silica may cause delayed (chronic) lung injury (silicosis). Acute or rapidly developing silicosis may occur in a short period of time in heavy exposure. Other lung conditions may also occur along with preexisting lung conditions which may become aggravated by prolonged exposure to these dusts. Symptoms include: undue breathlessness, wheezing, cough and excessive sputum production.

Carcinogenicity Hazards: Crystalline Quartz Silica has been found in some cases to cause cancer in lab. animals and with limited evidence in humans when inhaled in concentrations above the Permissible Exposure Limit (PEL) which is: Quartz (Respirable) $10\text{mg}/\text{m}^3 \div \% \text{ Silica} + 2$ or Quartz (Total Dust) $30\text{mg}/\text{m}^3 \div \% \text{ Silica} + 2$.

Eye Hazards: Using any of the product altering methods mentioned above may cause redness and irritation of the eyes; tearing and blurred vision and may require immediate first aid and medical attention.

Ingestion Hazards: May produce gastrointestinal irritation and disturbances.

Skin Contact Hazards: May cause irritations or aggravate an existing condition with prolonged contact.

SECTION 6. EMERGENCY FIRST AID:

Inhalation: Do not induce vomiting. If inhaled, immediately remove the affected person to fresh air. Dust in throat and nasal passages should clear spontaneously. Contact a physician if irritation persists or later develops.

Eyes: Immediately flush eye(s) with plenty of clean water for at least 15 minutes, while holding the eyelid(s) open. Occasionally lift the eyelid(s) to ensure thorough rinsing to remove all particles. Beyond flushing, do not attempt to remove material from the eye(s). Contact a physician if irritation persists or later develops.

Skin: For skin contact, wash with soap and water. Contact a physician if irritation persists or later develops.

Ingestion: Ingestion of this material is unlikely. If it does occur, watch the person for several days to make sure that partial or complete intestinal obstruction does not occur. Do not induce vomiting unless directed to do so by medical personnel.

SECTION 7. EXPOSURE CONTROL MEASURES:

Dust Control, Respiration: Whenever using any product altering methods (e.g. sawing, cutting or grinding), take steps to minimize creating dust and do so only with adequate ventilation. Practice good housekeeping and use cleanup methods which won't cause the dust to become airborne. Maintain, clean and fit test respirators with particulate filters in accordance with O.S.H.A. regulations and N.I.O.S.H approval. Wet methods are recommended for cutting the stone.

Eye Protection: Use safety glasses with side shields. Face shields should also be worn whenever sawing or grinding. Use wet methods to avoid creating dust.

Hand and Skin Protection: Wear gloves and protective clothing to minimize abrasions.

Foot Protection: Wear steel toed safety shoes.

Medical Conditions Aggravated by Exposure: Chronic respiratory or skin conditions may temporarily worsen from exposure to dust from this product.

SECTION 8. FIRE AND EXPLOSION HAZARD:

Flash Point.....Non-Flammable **Method**.....N/A

Auto-Ignition Temperature.....N/A **Upper Explosive Limit**.....N/A

Lower Explosive Limit.....N/A **N/A means Not Applicable**

Extinguishing Media: This material does not give a flash point by conventional test methods. Use an extinguishing agent suitable for the type of surrounding fire.

Fire Fighting Instructions: Firefighters should be equipped with self-contained breathing apparatus to protect against potentially toxic and irritating fumes and smoke inhalation.

SECTION 9. DISPOSAL, SPILL OR LEAK HAZARD:

Containment Procedures: Scoop up material and put into a suitable container for disposal as a non-hazardous waste. Dust from altering this material will settle out in the air. If concentrated in any area, it can then be scooped up for disposal as a non-hazardous waste.

Clean-up Procedures: Wear appropriate protective clothing and gloves. Gather the material, giving attention to controlling dust and place in an appropriate container for disposal. Wash the area thoroughly.

Response Procedures: Isolate the area keeping unnecessary personnel away.

Special Procedures: None

SECTION 10. HANDLING AND STORAGE HAZARD:

Handling Procedures: No special procedures are necessary for handling this material. Avoid breathing dust from this material and avoid contact with eyes and skin. Minimize the generation of dust.

Storage Procedures: No special procedures required for this material.

SECTION 11. TOXICOLOGICAL INFORMATION:

General Information: Dust from dry cutting, sawing, grinding, breaking or drilling of this product may cause mechanical irritation to the eyes and skin. Ingestion may cause transient irritation if throat, stomach and gastrointestinal tract. Inhalation may cause coughing, nose and throat irritation, and sneezing. Higher exposures may cause difficulty breathing, congestion and chest tightness.

SECTION 12. ECOLOGICAL INFORMATION:

Ecotoxicity

General Product Information: No Data available for this product.

Component analysis – Ecotoxicity – Aquatic Toxicity

Sodium hydroxide (1310-73-2)

Test & Species

96 Hr LC50 *Oncorhynchus mykiss* 45.4mg/L [static]

Calcium Oxide (1305-78-8)

Test & Species

96 Hr LC50 *Cyprinus carpio* 1700 mg/L [static]

SECTION 13. DISPOSAL CONSIDERATIONS:

US EPA Component Waste Number and Descriptions

Component Waste Numbers

No EPA Waste Numbers are applicable for this product.

Disposal Instructions

Precast Stone Veneer scrap is classified as a non-hazardous solid waste for disposal. Dispose of in accordance with existing federal, state and local environmental regulations.

Scrap Precast Stone Veneer as supplied do not meet any of the RCRA characteristics of hazardous waste (ignitable, corrosive, reactive or toxic), nor are they listed Hazardous Waste [40 CFR § 261]

Dispose of packaging material by either recycling or at an appropriate landfill.

SECTION 14. TRANSPORTATION INFORMATION:

US DOT Information

Shipping Name: Not regulated for transport

SECTION 15. REGULATOR INFORMATION:

US Federal Regulations;

General Product Information

No information available for the product.

Component Analysis

None of this product's components are listed under SARA Section 302 (40 CFR 355 Appendix A), SARA Section 313 (40 CFR 372.65) or CERCLA (40 CFR 302.4).

SARA311/312

Acute Health Hazard: Yes (If dust is created)

Chronic Health Hazard: Yes (If dust is created)

Fire Hazard: No

Sudden Release of Pressure Hazard: No

Reactive Hazard: No

Clean Air Act

None of this product's components are listed on the Clean Air Act-1990 Hazardous Air Pollutants List.

Reasonable care has been taken in the preparation of this information, but the manufacturer makes no warranty of merchantability or any other warranty, expressed or implied, with respect to this information.

The manufacturer makes no representation and assumes no liability for any direct, incidental or consequential damages resulting from its use.