



# Material Safety Data Sheet

Gold Bond® BRAND Veneer Plaster Products

MSDS No: GB-1316

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Date: July 1, 2009

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## 1. PRODUCT AND COMPANY INFORMATION

**Manufacturer Information:**

National Gypsum Company  
2001 Rexford Road  
Charlotte, NC 28211

**For Emergency Product Information Call:**

Director Quality Services  
(704) 551-5820 - 24 Hour Emergency Response  
Website: [www.nationalgypsum.com](http://www.nationalgypsum.com)

Product Name: **Gypsum Kal-Kote® Smooth Finish**  
**Kal-Kote® Texture Finish**  
**X-KALibur®**  
**Uni-Kal® Veneer**  
**Multi-Kal™**

Use: White finish plasters with specific uses in one or two coat veneer systems. For application over basecoat plasters, Kal-Kore baseboard or cementitious base.

Generic Descriptions: White powder. Gypsum based plaster products sold in bags of various sizes

## 2. HAZARDS IDENTIFICATION

Appearance and Odor: A white solid/powder with no odor.

**Contains no asbestos.** HMIS Hazard Class No. 1, 0, 0.

### Emergency Overview

Gold Bond® BRAND Veneer Plaster Products are not expected to present an inhalation, ingestion, or contact health hazard during normal use. When mixed with water, this product will become very hot. In addition, hydrated lime is strongly alkaline and may cause burns. This product also contains quartz (crystalline silica) as a naturally occurring contaminant. It is recommended that a NIOSH approved particulate respirator be worn whenever working with this product results in airborne dust exposure exceeding the prescribed limits.  
(See Section 11 - Toxicological Information)

### OSHA Regulatory Status

While this material is not considered hazardous by the OSHA Hazard Communication Standard (29CFR 1910.1200), this MSDS contains valuable information critical to the safe handling and proper use of the product. This MSDS should be retained and available for employees and other users of this product.

## **2. HAZARDS IDENTIFICATION (CONTINUED)**

### **Potential Health Effects**

Primary Routes of Entry: Inhalation, Dermal contact

Target Organs: Respiratory system, skin, eyes.

Inhalation: Acute exposure to airborne dust concentrations in excess of the PEL/TLV may result in coughing, dyspnea, wheezing, and a burning irritation of the nose, throat, and upper respiratory tract, along with possible impaired pulmonary function. Chronic exposures may result in lung disease (silicosis and/or lung cancer). (See Section 11 - Toxicological Information)

Exposures to respirable crystalline silica have not been documented during normal use of this product. However, good housekeeping practices and industrial hygiene monitoring is recommended when the potential for significant exposure exists.

Skin Contact: This product becomes extremely hot when mixed with water. Do not use this material to produce a cast with intent to enclose any body part. Continued and prolonged contact may result in dry skin or chemical burns. Contact with dust may produce itching, rash and/or redness. Repeated or prolonged exposure may result in dermatitis.

Eye Contact: This material is alkaline and can result in chemical burns. In addition, direct contact with dust may cause mechanical irritation. Contact lenses should not be worn when working with this product.

Ingestion: May be corrosive to the digestive tract. Excessive ingestion may result in obstruction or irritation of the digestive tract.

## **3. COMPOSITION/INFORMATION ON INGREDIENTS**

<b><u>Component</u></b>	<b><u>CAS-Number</u></b>	<b><u>Weight Percent</u></b>
Calcium Sulfate Hemihydrate (Plaster of Paris)	10034-76-1	50-85
Calcium Hydroxide (Hydrated Lime)	1305-62-0	20-50
Crystalline Silica (Quartz)	14808-60-7	<5

## **4. FIRST AID MEASURES**

- **Inhalation:** Remove exposed individual to fresh air immediately. If breathing difficulty persists, seek medical attention.
- **Skin:** Flush and wash skin with soap and water. Utilize lotions to alleviate dryness if present. Seek medical attention if irritation persists.
- **Eye:** Immediately flush eyes with water for 15 minutes. Contact lenses should not be worn when working with this product. Seek medical attention if irritation persists.
- **Ingestion:** May cause abdominal discomfort or possible obstruction of the digestive tract. Seek medical attention if problems persist.

**5. FIRE FIGHTING MEASURES**

**Flammable Properties**

- Not flammable or combustible
- NFPA Hazard Class No: 1/0/0

**Extinguishing media**

- Dry chemical, foam, water, fog or spray

**Protection of firefighters**

- Standard protective equipment and precautions

**Fire and Explosion Hazards**

- None

**Hazardous Combustion Products**

- None
- Above 1450°C, material can decompose and release sulfur dioxide (SO<sub>2</sub>), calcium oxide (CaO) and oxides of carbon.

**6. ACCIDENTAL RELEASE MEASURES**

General recommendations:

- Shovel or scoop up back into container for use if possible, or disposal.
- Wear appropriate Personal Protective Equipment. (See Section 8)
- Maintain proper ventilation.
- Waste material is not a hazardous waste. Dispose of in accordance with applicable federal, state, and local regulations. Hydrated lime should not be discharged directly into sewers or surface water. Material will harden and may plug drains.

**7. HANDLING AND STORAGE**

- Avoid contact with eyes, skin and clothing.
- Wear recommended personal protective equipment when handling. (See Section 8)
- Avoid breathing dust.
- Minimize generation of dust.
- Store material in a cool, dry, ventilated area.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION****Exposure Guidelines**

Component	Exposure Limits	
	OSHA PEL (mg/m <sup>3</sup> )	ACGIH TLV (mg/m <sup>3</sup> )
Calcium Sulfate Hemihydrate (Plaster of Paris)	15 <sup>(T)</sup> 5 <sup>(R)</sup>	10 <sup>(T)</sup>
Calcium Hydroxide (Hydrated Lime)	5 <sup>(R)</sup>	5 <sup>(R)</sup>
Crystalline Silica (Quartz)	0.1 <sup>(R)</sup>	0.025 <sup>(R)</sup>

T- Total Dust

R- Respirable Dust

**Engineering Controls**

- Work/Hygiene Practices: Avoid generation of dust.
- Ventilation: Provide local and general exhaust ventilation to maintain a dust level below the PEL/TLV.
- Utilize wet methods, when appropriate, to reduce generation of dust.

**Personal Protective Equipment**

- Respiratory Protection: A NIOSH approved particulate respirator is recommended in poorly ventilated areas or if the PEL/TLV is exceeded. OSHA's 29 CFR 1910.134 (Respiratory Protection Standard) must be followed whenever work conditions require respirator use.
- Eye Protection: Safety glasses or goggles.
- Skin: Gloves, protective clothing and/or barrier creams may be utilized if conditions warrant.

**9. PHYSICAL AND CHEMICAL PROPERTIES****Appearance:** White/gray powder**Odor:** None**Physical State:** Solid**Ph:** ~12**Solubility (H<sub>2</sub>O):** ~0.15 g/L @ 20°C**Boiling, Freezing, Melting Point:** Not Applicable**Decomposition Temperature:** 1450°C**Vapor pressure:** Not Applicable**Vapor density:** Not Applicable**Volatile organic compounds (VOC) content:** None**Flammability:** Not Applicable**Flash Point:** Not Applicable**Upper/Lower explosive limits:** Not Applicable**Auto-ignition temperature:** Not Applicable**Partition coefficient: n-octanol/water:** Not Applicable**Evaporation rate:** Not Applicable**Molecular weight:** Mixture**Molecular formula:** Not Applicable**Specific Gravity:** ~2.2-2.8**Bulk Density:** ~40-85 lbs/ft<sup>3</sup>

**10. STABILITY AND REACTIVITY**

**Chemical stability:** Stable in dry environments.

**Conditions to avoid:** Contact with strong acids may result in generation of carbon dioxide.

**Incompatibility:** None

**Hazardous decomposition:** Above 1450°C gypsum will decompose to calcium oxide (CaO), with releases of sulfur dioxide (SO<sub>2</sub>) and various oxides of carbon.

**Hazardous polymerization:** Will not occur.

**11. TOXICOLOGICAL INFORMATION****Human Data**

There is no information on toxicokinetics, metabolism and distribution.

There have been reports of irritation to mucus membranes of the eyes and respiratory tract upon acute exposure to dusts in excess of the recommended limits.

Chronic exposure to crystalline silica (a naturally occurring contaminant in gypsum) in the respirable size has been shown to cause silicosis, a debilitating lung disease. In addition, the International Agency for Research on Cancer (IARC) classifies crystalline silica inhaled in the form of quartz or cristobalite from occupational sources as carcinogenic to humans, Group 1. The National Toxicology Program (NTP) classifies respirable crystalline silica as a substance which may be reasonably anticipated to be a carcinogen. OSHA does not regulate crystalline silica as a human carcinogen. Industrial hygiene monitoring to date has not identified any detectable respirable crystalline silica in dust sampling conducted during gypsum panel installation utilizing recommended procedures.

**Animal Data**

Plaster of Paris: Oral LD<sub>50</sub> (rat): >5000 mg/kg

No evidence of mutagenicity on Ames Test.

LD<sub>50</sub> and LC<sub>50</sub> data not available for product.

**12. ECOLOGICAL INFORMATION**

This product could be toxic to fish due to its high alkalinity.

**13. DISPOSAL CONSIDERATIONS**

- Dispose of according to Local, State, Federal, and Provincial Environmental Regulations.
- Do not discharge directly into sewers or surface waters.

**14. TRANSPORT INFORMATION**

- This product is not a DOT hazardous material
- Shipping Name: Same as product name
- ICAO/IATA/IMO: Not applicable

**15. REGULATORY INFORMATION**

All ingredients are included on the TSCA inventory.

**Federal Regulations**

**SARA Title III:** Not listed under Sections 302, 304, and 313

**CERCLA:** Not listed

**RCRA:** Not listed

**OSHA:** Dust and potential respirable crystalline silica generated during product use may be hazardous.

**State Regulations**

California Prop 65: Respirable crystalline silica is known to the state of California to cause cancer. Industrial hygiene monitoring during recommended use of this product failed to identify any respirable crystalline silica.

**Canada WHMIS**

All components of this product are included in the Canadian Domestic Substances List (DSL).  
Crystalline silica: WHMIS Classification D2A

**16. OTHER INFORMATION****MSDS Revision Summary**

Effective Date Change: 5/22/06  
Format Changes: ANSI Z400.1-2004

Supersedes: 1/26/04

**Key/Legend**

ACGIH	American Conference of Governmental Industrial Hygienists
CAS	Chemical Abstract Services Number
CFR	Code of Federal Regulations
DOT	Department of Transportation
EPA	Environmental Protection Agency
HEPA	High Efficiency Particulate Air
HMIS	Hazardous Material Identification System
IARC	International Agency for Research on Cancer
IATA	International Air Transport Association
ICAO	International Civil Aviation Organization
IMO	International Maritime Organization
NIOSH	National Institute for Occupational Safety and Health
NFPA	National Fire Protection Association
NTP	National Toxicology Program
OSHA	Occupational Safety and Health Administration
PEL	Permissible Exposure Limit
PPE	Personal Protective Equipment
TLV	Threshold Limit Value
TSCA	Toxic Substance Control Act
TWA	Time Weighted Average
WHMIS	Workplace Hazardous Materials Information System

**16. OTHER INFORMATION (CONTINUED)**

The information and recommendations contained herein are based upon data believed to be correct. However, no guarantee or warranty of any kind expressed or implied is made with respect to the information contained herein. This material safety data sheet was prepared to comply with the OSHA Hazard Communication Standard (29 CFR 1910.1200) and with the Workplace Hazardous Materials Information System (WHMIS).

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