



**MATERIAL SAFETY DATA SHEET**  
**Kerr-McGee Pigments (Savannah) Inc.**



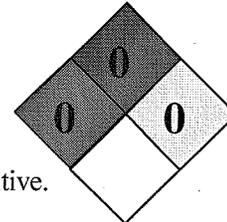
**GYPSUM**

For more detailed information on the hazards of this product, contact Chemical Safety and Health Department or Medical Services Department at the address below. Technical Information Bulletin is also available.

**1. PRODUCT AND COMPANY IDENTIFICATION**

**PRODUCT IDENTIFICATION**

Brand Name.....Gypsum  
 Chemical Name.....Calcium sulfate dihydrate  
 Common Name .....Gypsum  
 Formula.....CaSO<sub>4</sub> • 2H<sub>2</sub>O  
 Molecular Weight.....172.14  
 Product Use.....Manufacture of gypsum board; cement additive.  
 Product Identification Number.....N/A



**MANUFACTURER**

Kerr-McGee Pigments (Savannah) Inc.  
 Kerr-McGee Center  
 Oklahoma City, OK 73125

**EMERGENCY TELEPHONE NUMBER**

(405) 270-1313 (24 hours)

**2. COMPOSITION/INFORMATION ON INGREDIENTS**

	CHEMICAL NAME	CAS NUMBER	WEIGHT %
	Calcium (II) sulfate dihydrate	10101-41-4	70-80
	Calcium carbonate	1317-65-3	0-5
	Water	7732-18-5	Balance

See Section 15 of this MSDS for OSHA Regulatory Status

**3. HAZARDS IDENTIFICATION**

**EMERGENCY OVERVIEW**

White to tan crystalline solid. High concentrations of dust may cause coughing and mild, temporary irritation.

Will not burn, but may be involved in a fire with other materials. In case of fire, use extinguishing media suitable for the material that is burning.

**POTENTIAL HEALTH EFFECTS**

**PRIMARY ROUTE(S) OF ENTRY**

Inhalation (breathing) of airborne dust.

**SYMPTOMS OF EXPOSURE**

Inhalation: Coughing, sneezing, or irritation of the lungs; difficulty in breathing.



**IN WATER**

Use vacuum techniques and containment devices to prevent spread and remove material from water source for later disposal.

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**7. HANDLING AND STORAGE**

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Wear appropriate protective equipment (See Section 8). Avoid creating or breathing dust.

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**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

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**ENGINEERING CONTROLS**

Provide local exhaust ventilation system to meet exposure limits.

**PERSONAL PROTECTION**

- Respirator:** In operations where dusts are generated, use a NIOSH approved respirator that has been selected by a technically qualified person for the specific work conditions. If respirators are used, OSHA requires compliance with its respiratory protection program.
- Eye Protection:** Wear safety glasses or vented safety goggles.
- Gloves:** Ordinary work type.
- Clothing:** Wear easily washable clothing. Wash clothing after each shift.
- Other:** Emergency eye wash and shower.
- General:** Do not eat, drink, or smoke in work area. Practice good personal hygiene after using this material, especially before eating, drinking, smoking, using toilet facilities or applying cosmetics.

**EXPOSURE CONTROLS**

COMPONENT	OSHA PEL		ACGIH TLV	
	TWA	STEL	TWA	STEL
Calcium sulfate	15 mg/m <sup>3</sup>	N/E	10 mg/m <sup>3</sup>	N/E
Calcium carbonate	15 mg/m <sup>3</sup>	N/E	10 mg/m <sup>3</sup>	N/E

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**9. PHYSICAL AND CHEMICAL PROPERTIES**

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- State .....Solid
- Color..... White to tan crystalline solid
- Odor .....None
- Melting Point °C.....N/A; loses water of hydration @ 325°C
- Boiling Point °C.....N/A
- Bulk Density, lb/cu. Ft.....145
- Specific Gravity @ 4 °C.....2.32
- Water Solubility .....0.233% by wt. @ 25°C
- pH.....~ 6.5 (as slurry)
- % Volatiles.....N/A

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**10. STABILITY AND REACTIVITY**

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**REACTIVITY**

Stable at room temperature in closed containers under normal storage and handling conditions.

**INCOMPATIBILITIES**

None in normal or expected use.

**HAZARDOUS DECOMPOSITION PRODUCTS**

None in normal or expected use.

**CONDITIONS TO AVOID**

None known.

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**11. TOXICOLOGICAL INFORMATION**

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Gypsum: LD<sub>50</sub> (oral, rat) .....6450 mg/kg

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**12. ECOLOGICAL INFORMATION**

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No relevant data available.

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**13. DISPOSAL CONSIDERATIONS**

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RCRA Waste Code:.....Not regulated. Dispose of in an approved industrial or hazardous waste landfill. Observe all local, state and federal regulations.

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**14. TRANSPORT INFORMATION**

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DOT Hazard Class .....Not regulated

TDG Hazard Class .....Not regulated

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**15. REGULATORY INFORMATION**

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OSHA HAZARD COMMUNICATION STANDARD (29 CFR 1910.1200)

Hazardous                       Non-Hazardous

CERCLA/SUPERFUND (40 CFR 117, 302)

Chemical Name	RQ (lbs)/(kg)
N/A	

SARA EXTREMELY HAZARDOUS SUBSTANCES (40 CFR 355)

Chemical Name	TPQ (lbs)	RQ (lbs)
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N/A		
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**SARA HAZARD CATEGORIES (40 CFR 370)**

Acute     Chronic     Fire     Pressure     Reactive     None

**SARA TOXIC CHEMICALS (40 CFR 372)**

Chemical Name	CAS Number	%
N/A		

**WORKPLACE HAZARDOUS MATERIALS INFORMATION SYSTEM (CPR Section (33))**

This product has been classified according to the hazard criteria of the Controlled Products Regulations, and the MSDS contains all required information.

Controlled Product; Classification:  Not a Controlled Product

**INVENTORY STATUS**

The chemicals in this product are listed on the US TSCA Chemical Substance Inventory and the Canadian Domestic and Non-Domestic Substances List.

**TOXIC SUBSTANCES CONTROL ACT**

No specific regulations apply

**STATE REGULATIONS**

- Massachusetts Right to Know List.....Calcium carbonate
- Minnesota Hazardous Substance List.....Calcium carbonate, Gypsum
- Pennsylvania Right to Know list.....Calcium carbonate
- Rhode Island Hazardous Substance List.....Calcium carbonate, Gypsum

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**16. OTHER INFORMATION**

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**ABBREVIATIONS**

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|--|---|
| C - Ceiling limit  | N/D - Not determined                                |
| CPR- Controlled Products Regulations   | N/E - Not established                               |
| LC <sub>L0</sub> - Lowest concentration of a substance in air that will kill a test animal within a certain exposure period. | N/K - Not known                                     |
| LC <sub>50</sub> - Concentration of a substance in air that will kill 50% of test animals within a certain exposure period.  | NAERG - North American Emergency Response Guidebook |
| LD <sub>50</sub> - Dose that causes death in 50% of test animals.  | RQ - Reportable Quantity                            |
| N/A - Not applicable   | TPQ - Threshold Planning Quantity                   |

**PREPARATION INFORMATION**

Prepared by.....Chemical Safety and Health Department  
 MSDS No. ....S-3009  
 Date Prepared.....September 15, 2000

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