

## MATERIAL SAFETY DATA SHEET

### SECTION 1 IDENTIFICATION

Product Number	030-0090
Product Name	Calcium Hydroxide
Trade /Chemical Synonyms	
Formula	Ca(OH) <sub>2</sub>
RTECS	EW2800000
C.A.S. #	CAS# 1305-62-0

Health:	3
Flammability:	0
Reactivity:	0
Hazard Rating: Least Slight Moderate High Extreme 0 1 2 3 4	
NA=Not Applicable NE=Not Established	

### SECTION 7 HANDLING AND STORAGE

Store in a cool dry place. Do not get in eyes, on skin, on clothing. Wash thoroughly after handling. Store away from acids.

### SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

#### Respiratory Protection:

Dust mask recommended.

#### Ventilation:

Local Exhaust ☒  
Mechanical ☐

**Protective Gloves:** Wear appropriate gloves to prevent skin exposure

**Eye Protection:** Safety Glasses w/ Side Shields

**Other Protective Equipment:** Wear appropriate clothing to prevent skin exposure

### SECTION 2 MIXTURE COMPONENTS

Sara 313	Component	CAS Numbe	%	Dim.	Exposure Limits
<input type="checkbox"/>	Calcium Hydroxide	CAS# 1305-62-0	100%	W/	OSHA TWA 5 mg/m <sup>3</sup>

### SECTION 3 HAZARD IDENTIFICATION (SEE ALSO SECTION 11)

Causes severe irritation and burns. Harmful if swallowed. Avoid breathing vapor or dust. Use with adequate ventilation. Avoid contact with eyes, skin, and clothes. Wash thoroughly after handling. Keep container closed.

### SECTION 4 FIRST AID MEASURES

**FIRST AID:** CALL A PHYSICIAN. **SKIN:** In case of contact, immediately flush skin with water for at least 15 minutes while removing contaminated clothing and shoes. Thoroughly clean clothing and shoes before reuse.

**EYES:** Wash eyes with plenty of water for at least 15 minutes, lifting lids occasionally. Seek Medical Aid. **INHALATION:** Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen

**INGESTION:** Give several glasses of milk or water. Vomiting may occur spontaneously, but DO NOT INDUCE! Never give anything by mouth to an unconscious person.

### SECTION 5 FIRE FIGHTING MEASURES

**Fire Extinguisher Type:** Any means suitable for extinguishing surrounding fire

**Fire / Explosion Hazards:** None Known.

#### Fire Fighting Procedure:

Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and clothing.

### SECTION 6 ACCIDENTAL RELEASE MEASURES

Carefully pick up solid with minimum of dusting and collect in metal container with covers with disposal. The trace amount of residue can be flushed down drain.

### SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

<b>Melting Point:</b>	Information not available	<b>Percent Volatile by Volume:</b>	0%
<b>Boiling Point:</b>	2850 Deg C	<b>Evaporation Rate:</b>	Not applicable
<b>Vapor Pressure:</b>	Information not available	<b>Evaporation Standard:</b>	
<b>Vapor Density:</b>	Information not available	<b>Auto Ignition Temp:</b>	Not applicable
<b>Solubility in Water:</b>	0.1 g/ 100 g	<b>Lower Flamm. Limit in Air:</b>	Not applicable
<b>Appearance /Odors:</b>	White powder, low odor	<b>Upper Flamm. Limit in Air:</b>	Not applicable
<b>Flash Point:</b>	Not Flammable		
<b>Specific Gravity:</b>	2.2-2.6		

### SECTION 10 STABILITY AND REACTIVITY INFORMATION

**Stability:** Stable

**Conditions to Avoid:** Avoid contact with incompatible materials.

**Materials to Avoid:** Boric oxide, acids, fluorine, and many organic materials.

**Hazardous Decomposition Products:** Not known to occur

**Hazardous polymerization:** Will Not Occur

**Conditions to Avoid:** None known

### SECTION 11 ADDITIONAL INFORMATION

Conditions aggravated/Target organs: Persons with pre-existing eye, skin, respiratory disorders are more susceptible. Contact with eyes may cause irritation and possible corrosion damage. Target organs: Lungs. No chronic effects known.

**DOT Classification:** Not Regulated

DOT Regulations may change from time to time. Please consult the most recent D.O.T. regulations.

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