Material Safety Data Sheet

Delta Education
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Phone (281) 479-2569
Chemtrec 800-424-9300
24 Hour Emergency Assistance

Section 1 Identification

Product Number:	034-1053
Product Name:	Calcium Hydroxide Laboratory Grade, Powder
Trade/Chemical Synonyms	
Formula:	Ca(OH)'
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 2 Component Mixture

Sara 313	Component	CAS Number	%	Dim	Exposure Limits:
☐	Calcium Hydroxide	CAS# 1305-62-0	100%	w/w	OSHA TWA 5 mg/m*f*

Section 3 Hazard Identification (Also see section 11)

FIRST AID: INGESTION: Call physician or Poison Control Center Immediately. Induce vomiting only if advised by appropriate medical personnel.

Section 4 First Aid Measures

FIRST AID: INGESTION: Call physician or Poison Control Center Immediately. Induce vomiting only if advised by appropriate medical personnel.

EYES: Flush thoroughly with water for at least 15 minutes, lifting lower and upper eyelids occasionally. Get medical attention.

SKIN: Flush with mild soap and water.

INHALATION: Remove to fresh air. If not breathing, give artificial respiration. Get immediate medical attention.

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 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:
Mechanical: ☐
Local Exhaust: ☑

Hand Protection: 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 9 Physical and Chemical Properties

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

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

Condition 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 version of the relevant regulations.

Revision No:0 Date Entered: 9/1/2006 Approved by: WPF

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