

# Shenzhen Changlong Technology Co., Ltd

No.18 Lanshui 3<sup>rd</sup> area, Longxin Community Longgang Street Longgang District, Shenzhen

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## MATERIAL SAFETY DATA SHEET OF Hydrated Lime (MSDS)

### **Section 1 : Product identification**

Product Name : calcium hydroxide

Chemical Name: Hydrated Lime

Molecular formula: Ca (OH) 2

Chemical name:

CAS No.: 1305-62-0

Weight: 74.09

### **Section 2 : The physical and chemical properties**

**Appearance and properties:** Fine white powder.

**Melting point:** 582

**Boiling point:** not applicable

**The relative density:** 2.24

**Molecular weight:** 74.09

**Flash point:** not applicable

**Flash point:** not applicable

**Defused:** not applicable

**Solubility:** Insoluble in water, soluble in acid, glycerin, not soluble in alcohol.

Main application: Used in the manufacture of bleaching powder, disinfectants, rubber, oil industry additives and softening water use, etc.

### **Section 3 : Hazards Identification**

#### **Risk category:**

Health hazard: This product is strongly alkaline substances, with exciting and corrosion function. Inhaled the product dust, on respiratory strong excitant. Can cause chemical pneumonia. Eye contact with strong excitant, can cause burns. Mistakenly fall into the pool of hydrated lime, can caused extensive corrosion burns and, if not handled in time can cause death. Long-term contact can cause dermatitis and dermatitis ulcer.

**Environmental hazards:** Harm to the environment, the water can cause pollution.

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**Explosion danger:** The product is not burning, corrosive, strong excitant, can cause human body burns.

## **Section 4: Stability and reactivity**

**Incompatibilities (materials to avoid):** Acid.

**Hazardous decomposition products:** There are no dangerous decomposition products.

## **Section 5: First Aid Measures**

**Skin contact:** Immediately take off pollution of clothing, with vegetable oil or mineral oil first clean. With plenty of liquid water washing at least 15 minutes. Go to a doctor.

**Eye contact:** Immediately filed a eyelid, with plenty of liquid water or saline thoroughly flushed at least 15 minutes. Go to a doctor.

**Inhalation:** Quickly from the scene to fresh air place. Keep airway open. if difficulty breathing, to oxygen. if stopped breathing, immediately artificial respiration. Go to a doctor.

**Ingestion:** Water gargle, to drink the milk and egg white. Go to a doctor.

## **Section 6: Fire Fighting Measures**

**Dangerous characteristics:** No special burning explosion characteristics.

**Harmful combustion products:** Cao.

**Fire extinguishing method:** Firefighters must wear the whole body fire prevention antivirus uniform, on fire in the wind. As far as possible will extinguish the fire moved to an empty containers from the place.

## **Section 7 : Accidental release measures**

**Emergency treatment:** Isolation leakage pollution area, limiting access. Suggest the emergency treatment personnel wear dustproof mask (full cover), wear antivirus clothing. Avoid dust, be careful and up, if large spills with plastic cloth, canvas covered. Collect recovery or shipped to the waste disposal sites.

## **Section 8 : Operators**

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**Handling:** Airtight operation. Operators must receive special training, strictly abide by the procedures. Suggest operators wear dust mask (full cover), wear clothes, wear rubber gloves. Avoid to produce the dust. Avoid contact with acid. Handling want light light discharge, prevent packaging and container damage. Equipped with emergency treatment equipment leakage. Empty containers may remain hazards.

### **Section 9: Storage**

**Storage:** Store in a cool, well-ventilated area. Away from the fire, heat source. Should be stored apart with acids, avoid by all means is mixed store. Storage areas shall be with the right material for leakage content.

### **Section 10 : Exposure control/personal protection**

#### **Occupational exposure controls**

**Respiratory protection:** May contact the dust, must wear dust mask (full cover). Emergency rescue and evacuation, should wear air respirator.

**Eye protection:** Respiratory system protection has for protection.

**The body protection:** Wear protective suit

**Hand protection:** Wear rubber gloves.



**Other protective:** After work, shower change clothes. Pay attention to personal clean sanitation.

### **Section 11 : Toxicological Information**

**Acute toxicity:** LD50; 7340mg/kg(rat oral)

**LC50:** Not available

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### **Section 12 : Ecology Information**

**Environmentally harmful effect:** the hazardous substances on the environment, special attention should be paid to water pollution.

### **Section 13 : Waste Disposal**

**Waste disposal methods:** the former should refer to the disposal of national and local regulations. In and after the disposal of buried with security.

### **Section 14 : Transportation information**

**Dangerous goods Numbers:** no information

**UN Number:** not available

**Packaging:** No information available.

**Packaging categories:** Z01

**Transportation note:** FOB at the packaging to complete loading should be conservative. Transportation process, We need to ensure that the containers do not leak, do not collapse, not falling, not damaged. Prohibited and acids, food chemicals such as a mixture mixed shipped. Transportation should prevent exposure, rain, and anti-high-temperature. Transport Travel must be thoroughly cleaned and disinfected, or other items not shipped.

### **Section 15 : Regulations information**

Regulations dangerous chemicals information security management regulations (February 17, 1987 promulgated by the state council), dangerous chemicals detailed rules for the Implementation of the safety management regulations (change labor is sent [1992] 677), workplace safety use chemicals rules (labor department is sent [1996] no. 423), and other laws and regulations for the safe use of hazardous chemicals, production, storage, transportation, loading and unloading, etc, in the corresponding provisions.

### **Section 16 :Other information**

16.1 Training advice

Read the SDS before using the product.

16.2 Recommended use restrictions

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