



AGRI-EMPRESA, LLC

Manufacturer•Packager•Distributor

SAFETY DATA SHEET

HYDRATED LIME

REV. DATE: 06-24--2014 REV 1

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Company Identification:

Agri Empresa LLC
6001 W. Industrial Ave
Midland, TX 79706

24 Hour Emergency Telephone: Call Chemtrec 1-703-527-3887

To Request and SDS: 1-432-694-1994

Customer Service: 1-432-694-1994

Product Name: Lime

Product Use: pH Modifier.

2. HAZARD IDENTIFICATION

Physical State: Solid(Powder).

Odor: Odorless.

Color: White to Off-White.

Hazard Overview: Irritating to eyes and skin.

2. HAZARD IDENTIFICATION (cont.)



Warning

3. COMPOSITION/INFORMATION ON INGREDIENTS

Name	CAS No.:	EINECS Nr:	Classification:	Content:
Calcium Hydroxide	1305-62-0	215-137-3	Xi R-36/38	100%

The full Text for all R-phrases are displayed in Section 15.

4. FIRST AID MEASURES

First Aid-Eyes:	Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes and get medical attention.
First Aid-Skin:	Promptly wash contaminated skin and soap or mild detergent and water. Promptly remove clothing if soaked through and wash as above. Get medical attention if irritation persists after washing.
First Aid-Ingestion:	DO NOT INDUCE VOMITING! Rinse mouth thoroughly with water and give large amounts of milk or water to people not unconscious. Provide rest, warmth, and fresh air. Get medical attention immediately!
First Aid-Inhalation:	Provide fresh air, warmth and rest, preferably in a comfortable upright sitting position. For breathing difficulties oxygen may be necessary. Get medical attention.

5. FIRE FIGHTING MEASURES

Fire Extinguishing Media:	Use extinguishing media appropriate for surrounding fire.
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5. FIRE FIGHTING MEASURES (cont.)

Special Fire Fighting Procedure:	Keep run-off water out of sewers and water sources. Dike for water control.
Hazardous Combustion Products:	Not known.

6. ACCIDENTAL RELEASE MEASURES

Spill Clean-up Methods:	Stop leak if possible without risk. Ventilate well. Collect and reclaim or dispose in sealed containers in licensed waste. Avoid generation and spreading or dust. Flush with plenty of water to clean spillage area. Do not let washing down water contaminate ponds or waterways. In handling of spillage, please also consult the section detailing protective measures.
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7. HANDLING AND STORAGE

Usage Precautions:	Avoid spilling, skin, and eye contact. Avoid handling which leads to dust formation.
Storage Precautions:	Keep in cool, dry, ventilated storage and closed containers. Keep in original container. Store isolated from oxidizing materials.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Ingredient Name:	CAS No:	STD:	LT EXP 8 Hrs	ST EXP 15 Min
Calcium Hydroxide	1305-62-0	OES	5 mg/m3	

Ventilation:	Provide sufficient ventilation for operations causing dust formation.
Respirators:	D, Dust mask/respirator. Dust filter P2 (for fine dust).
Protective Gloves:	Use suitable protective gloves if risk of skin contact. Use protective gloves made of: Impermeable material. Rubber, neoprene, or PVC.
Eye Protection:	Wear dust resistant safety goggles where there is danger of eye contact. Use face shield in case of splash risk.
Other Protection:	Wear appropriate clothing to prevent repeated or prolonged skin contact. Provide eyewash station. Wear rubber apron.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Solid (Powder.)
Color:	White to Off-White.
Odor:	Odorless.
pH:	12.4
Specific Gravity:	2.34
Bulk Density:	2.24 g/cm ³
Boiling Point(F):	
Boiling Point(C):	
Freezing Point(F):	1076
Freezing Point(C):	580
Vapor Pressure(mmHg)	
Vapor Density(Air-1):	Not Determined
Percent Volatiles:	Not Determined
Evaporation Rate(Butyl Acetate=1):	Not Determined
Solubility in Water (g/100ml):	Slightly soluble in water.
Solubility in Solvents:	Not Determined
VOCs(lbs/gallon);	Not Determined
Viscosity,Dynamic(centipoise):	Not Determined
Viscosity, Kinematic(centistokes):	Not Determined
Partition Coefficientn-Octanol/Water:	Not Determined
Molecular Weight(g/mole);	74
MOHS Hardness:	

10. STABILITY AND REACTIVITY

Stability Data:	Normally stable. Avoid: Moisture.
Conditions to Avoid:	Avoid contact with acids. Creation of dust clouds.
Materials to Avoid:	Acids, oxidizing. Acids, non oxidizing. Acids – organic.

11. TOXICOLOGICAL INFORMATION

Toxic Dose – LD50:	7340 mg/kg (oral rat)
Inhalation:	May cause irritation to the respiratory system. Symptoms may include sore throat, coughing, shortness of breath and difficulty breathing.
Ingestion:	May cause burns in mucous membranes, throat, esophagus and stomach.
Skin:	Irritating to skin. Prolonged or repeated exposure may cause chronic eye irritation. Extreme irritation of eyes and mucous membranes, including burning and tearing.

11. TOXICOLOGICAL INFORMATION (cont.)

Eyes: Irritating to eyes. Repeated exposure may cause chronic eye irritation. Extreme irritation of eyes and mucous membranes, including burning and tearing.

12. ECOLOGICAL INFORMATION

Ecological Information: Contact M-I's Environmental Affairs Department for ecological information. OSPAR have defined this chemical as PLONOR.

13. DISPOSAL CONSIDERATIONS

Disposal Method: Recover and reclaim or recycle, if practical. Dispose of in accordance with Local Authority requirements. This material and its container must be disposed of as hazardous waste.

14. TRANSPORT INFORMATION

Road Transportation: Not Classified

Rail Transportation: Not Classified

Sea Transportation: Not Classified

Air Transportation: Not Classified

15. REGULATORY INFORMATION

Risk Phrases: R-36/38 Irritating to eyes and skin.

Safety Phrases: S-22 Do not breathe dust.
S-24/25 Avoid contact with skin and eyes.
S-26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S-36/27/29 Wear suitable protective clothing, gloves and eye/face protection.
S-60 This material and its container must be disposed of as hazardous waste.

Statutory Instruments: Control of Substances Hazardous to Health.

Guidance Notes: Isocyanates toxic hazards and precautions EH16.

