



# AGRI-EMPRESA, LLC

Manufacturer • Packager • Distributer

## HYDRATED LIME

### SAFETY DATA SHEET

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  
432-694-1994


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

**Product Synonyms:** Lime, Calcium hydroxide

**Product Use:** pH Modifier.

## 2. HAZARD IDENTIFICATION

**Precautionary Statements:** If in contact with skin flush with a mild soap and water. Consult with a physician if irritation persists. If contact with eye flush with water lifting upper and lower lids for at least 15 minutes. Contact a physician immediately. In inhaled move person to fresh air and contact a physician immediately. Repeated inhalation exposure may lead to respiratory cancer. This material reacts violently with water, producing heat which may ignite combustibles.

SIGNAL WORD	HAZARD	HAZARD CODE	CATEGORY	HEALTH HAZARD STATEMENT
	Eye	H320, H318	2B, 1	Causes eye irritation, or serious eye damage with burns
	Skin	H315	2	May cause skin irritation
	Inhalation	H335	3	Causes respiratory irritation
	Ingestion			No potential risk
	Target Organ	H350	1A, 1B	May cause respiratory cancer through inhalation
	Fire	H270	Div. 1.4	Violently reacts with water producing heat which can ignite combustibles.

## 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.



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## 4. FIRST AID MEASURES

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<b>First Aid-Eyes:</b>	Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes and get medical attention.
<b>First Aid-Skin:</b>	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.
<b>First Aid-Ingestion:</b>	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!
<b>First Aid-Inhalation:</b>	Provide fresh air, warmth and rest, preferably in a comfortable upright sitting position. For breathing difficulties oxygen may be necessary. Get medical attention.

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## 5. FIRE FIGHTING MEASURES

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<b>Fire Extinguishing Media:</b>	Use extinguishing media appropriate for surrounding fire.
<b>Special Fire Fighting Procedure:</b>	Keep run-off water out of sewers and water sources. Dike for water control.
<b>Hazardous Combustion Products:</b>	Not known.

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## 6. ACCIDENTAL RELEASE MEASURES

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<b>Spill Clean-up Methods:</b>	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

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



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## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

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**Ingredient Name:** Calcium Hydroxide      **CAS No:** 1305-62-0      **STD:** OES      **LT EXP 8 Hrs**      **ST EXP 15 Min**      **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.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

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

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## 10. STABILITY AND REACTIVITY

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**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.



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## 11. TOXICOLOGICAL INFORMATION

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

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## 12. ECOLOGICAL INFORMATION

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

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## 13. DISPOSAL CONSIDERATIONS

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**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.

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## 14. TRANSPORT INFORMATION

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<b>Road Transportation:</b>	Not Regulated
<b>Rail Transportation:</b>	Not Regulated
<b>Sea Transportation:</b>	Not Regulated
<b>Air Transportation:</b>	Not Regulated



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## 15. REGULATORY INFORMATION

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- 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.

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## 16. OTHER INFORMATION

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- User Notes:** HMIS Health: 2  
Flammability: 0  
Physical Hazard: 0
- Information Sources:** Sax's Dangerous Properties of Industrial Materials, 9<sup>th</sup> ed., Lewis, R. j. Sr., (ed.), VNR, New York, New York (1997). Material Safety Data Sheet, Misc. manufacturers.
- R-Phrases:** R-36/38 Irritating to eyes and skin.

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