

## SECTION 1. PRODUCT IDENTIFICATION

### PRODUCT

<b>Name</b>	Litecon Adhesive
<b>Other Names</b>	Thin-bed mortar for Autoclaved Aereated Concrete (ACC).
<b>Brand</b>	Litecon
<b>Formula</b>	Non Applicable
<b>Product Uses</b>	It is used in the construction industry as an adhesive for autoclaved aerated concrete pieces.

### MANUFACTURER

<b>General Offices</b>	<b>Edificaz-Calidra S.A. de C.V.</b> Paseo Ópera #2, Town Center Sonata, Lomas de Angelópolis San Andrés Cholula, Puebla, México. <b>Teléfonos</b> (222) 454 3945 (222) 309 1400
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## SECTION 2. RISKS IDENTIFICATION

**Warning Word** Warning, Irritant

### Risk Pictograms



**Hazard Statements** H 315: Causes skin irritation 2.  
H 335: Can cause irritation in the respiratory tract 3.

**Recommended Safety Precautions** PREVENTION  
P102: Keep out of reach of children.  
P103: Read the label before using the product.  
P201: Obtain special instructions before using the product.  
P202: Do not handle until reading and understanding safety precautions.  
P235: Keep in a cool, dry place.  
P280: Use protective gloves / protective clothing / protective eyewear /face shield.  
P264: Thoroughly wash your hands after handling the product.

### EMERGENCY RESPONSE

P314: If you do not feel well, get medical help.

# SAFETY DATA SHEET



P304 + P340: IN CASE OF INHALATION: Take the person outdoors and keep him/her in a resting position where he/she can breathe comfortably.

P302 + P352: IN CASE OF SKIN CONTACT: Wash with plenty of water and soap.

P332 + P313: In case of skin irritation: get medical help.

P305 + P351+ P338: IN CASE OF CONTACT WITH THE EYES: Thoroughly rinse with plenty of water for several minutes, remove contact lenses, if applicable, and keep washing.

## STORAGE

P402: Store (dry product) in a dry place.

## DISPOSAL

P501: Dispose the content and container according to the local, regional, national, and international regulations.

## WHMIS/ GHS/ NOM 018 STPS

Skin corrosion or irritation – Category 2  
Serious eye injury / Eye irritation – Category 1

## Other hazards

No

## SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

Name of the Ingredient	Concentration	CAS Number
Calcium carbonate	50-80%	1317-65-3
Cement	10-20%	65997-15-1
Calcium hydroxide	1-10%	01305-62-0
Plaster	20-50%	10034-76-1/26499-65-0

## SECTION 4: FIRST AID MEASURES

**Inhalation** Take the person away from the powder source and take them where they can get fresh air. If the person is not breathing, provide artificial respiration and get immediate medical attention.

**Ingestion** If the person is conscious rinse mouth with water. Do not induce vomit. Get immediate medical help.

**Skin Contact** Take contaminated clothes off and rinse with plenty of water and soap. Use a shower and do not scrub. Get medical help if the exposed area is big or if irritation persists.

**Eye Contact** Rinse with plenty of water for 15 minutes. Get immediate medical help.

## SECTION 5: FIREFIGHTING MEASURES

**Fire** There is no fire hazard.

**Explosion** There is no explosion hazard.

<b>Firefighting media</b>	<i>Proper firefighting measures</i> The product is not combustible and not flammable. Use firefighting measures according to the fire.
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<b>Special information</b>	Non Applicable.
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## SECTION 6: MEASURES IN CASE OF ACCIDENTAL RELEASE

<b>Follow these steps in case of material spillage</b>	<ul style="list-style-type: none"> <li>• Keep minimum powder levels.</li> <li>• Keep unnecessary and unprotected persons away from the spillage area.</li> <li>• Use proper personal protection equipment, according to Section 8.</li> <li>• Avoid inhaling the powder, ensure sufficient ventilation or use adequate breathing apparatus (see section 8).</li> <li>• Spillages: Collect and place in a proper container for its retrieval or removal, using a dry, non-powder generating method.</li> <li>• Follow Local, State, Federal and provincial disposal, or removal regulations.</li> </ul>
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## SECTION 7: HANDLING AND STORAGE


<b>Safe handling precautions</b>	<ul style="list-style-type: none"> <li>• Keep in a dry place.</li> <li>• Protect against physical damage.</li> <li>• Ensure a good ventilation in places where the product is handled.</li> <li>• Use the safety equipment suggested in section 8 of this document.</li> <li>• Wash your hands after handling.</li> <li>• Do not eat food during product handling.</li> </ul>
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<b>Storage recommendations</b>	<ul style="list-style-type: none"> <li>• Store at room temperature.</li> <li>• Protect the product from water for storage purposes.</li> </ul>
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## SECTION 8: EXPOSURE CONTROL / PERSONAL PROTECTION

<b>Name of the Ingredient</b>	<b>Exposure Limit</b>
Calcium Hydroxide	OSHA PEL (United States, 2/2013). TWA: 5mg/m <sup>3</sup> / 8h / Breathable fraction. TWA: 15mg/m <sup>3</sup> / 8h/ Total powder.
	ACGIH TLV (United States, 4/2014). TWA: 5mg/m <sup>3</sup> / 8h
	NIOSH REL (United States, 10/2013). TWA: 5mg/m <sup>3</sup> / 10h
	MSHA PEL TWA: 8/40 HOURS: 5mg/m <sup>3</sup> .
Cement	NOM-010-STPS-2014 5mg/m <sup>3</sup> / 8h
	ACGIH: 10 mg/m <sup>3</sup> TWA (particulate matter that does not contain asbestos and <1 % of crystalline silica). OSHA: 15 mg/m <sup>3</sup> TWA (total powder); 5 mg/m <sup>3</sup>

# SAFETY DATA SHEET

	<p>TWA (breathable fraction).</p> <p>NIOSH: 10 mg/m<sup>3</sup> TWA (total powder); 5 mg/m<sup>3</sup> TWA (breathable powder).</p>
Crystalline Silica	<p>OSHA PEL Z3 (United States, 2/2013). TWA: 10mg/m<sup>3</sup> / 8h / Breathable. TWA: 250 mppcf / 8h / Breathable.</p> <p>ACGIH TLV (United States, 4/2014). TWA: 0.025mg/m<sup>3</sup> / 8h / Breathable fraction.</p> <p>NIOSH REL (United States, 10/2013). TWA: 0.05mg/m<sup>3</sup> / 10h / Breathable powder.</p> <p>MSHA PEL TWA: 8/40 HOURS: 30mg/m<sup>3</sup> (%SiO<sub>2</sub>)+ 2mg/m<sup>3</sup> / Total powder 10mg/m<sup>3</sup> (%SiO<sub>2</sub>) + 2mg/m<sup>3</sup> / Breathable powder</p> <p>NOM-010-STPS-2014 0.025mg/m<sup>3</sup><sup>®</sup> / 8h Breathable fraction</p>
<b>Engineering control measures</b>	<ul style="list-style-type: none"> <li>• <i>Ventilation:</i> Ensure adequate ventilation in the workplace.</li> <li>• <i>Powder Control:</i> Use exhaust ventilation or other engineering controls in the handling spots to keep air levels below recommended exposure limits.</li> <li>• <i>Eyewash:</i> Keep emergency eyewash supplies in the workplace.</li> </ul>
<b>Personal protection equipment</b>	<ul style="list-style-type: none"> <li>• <i>Protective eyewear:</i> Use safety goggles to handle the product. Keep the eyewash station and rapid drainage facilities in the work area.</li> <li>• <i>Hand protection:</i> Use dry protective gloves. Avoid open fabric gloves.</li> <li>• <i>Skin protection:</i> Use adequate long sleeves protective clothing to prevent skin contact. The clothing should not be torn or ripped.</li> <li>• <i>Shoes:</i> Wear closed shoes.</li> <li>• <i>Respiratory Protection:</i> Particulate matter mask is recommended.</li> </ul> <div style="text-align: center;">  </div>
<b>Hygiene</b>	Thoroughly wash hands, forearms, and face after handling products, before eating, smoking, and using the restroom at the end of the work shift. Use clean and dry personal protection equipment.
<b>Environment</b>	Ventilation Systems must be filtered before discharging to the atmosphere.
<b>SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES</b>	
<b>Physical State</b>	Solid Powder
<b>Color</b>	White, Grey
<b>Odor</b>	Odorless

# SAFETY DATA SHEET



<b>Stability</b>	Stable
<b>Flammability</b>	It is not Flammable
<b>Explosiveness</b>	It does not explode
<b>Flash Point</b>	Non Combustible
<b>Melting Point</b>	Non Applicable
<b>Boiling Point</b>	Non Applicable
<b>Vapor Density</b>	Non Applicable
<b>% Volatile</b>	Non Applicable
<b>Relative Density</b>	1000-1200 kg/m <sup>3</sup> (60 -75 lb/ft <sup>3</sup> )
<b>Vapor Pressure</b>	Non Applicable
<b>Freezing Point</b>	Non Applicable
<b>Self-ignition</b>	Non Applicable
<b>Viscosity</b>	Unavailable
<b>Partition Coefficient</b>	Unavailable
<b>Evaporation</b>	Non Applicable
<b>Decomposition Temperature</b>	Non Applicable
<b>SECTION 10: Stability and Reactivity</b>	
<b>Reactivity</b>	The material will not react dangerously.
<b>Chemical Stability</b>	The product is stable.
<b>Possibility of Dangerous Reactions</b>	Non Applicable.
<b>Conditions that should be Prevented</b>	Humid environments.
<b>Incompatible Material</b>	Non Applicable.
<b>Dangerous Decomposition Products</b>	Non Applicable
<b>SECTION 11: TOXICOLOGICAL INFORMATION</b>	
<b>Pathways</b>	Through ingestion and inhalation.  Toxicological information has not been specifically determined for this product. Information provided is based on toxicological data obtained from similar products.

<b>Effect due to long-term exposure</b>	<p><i>Skin:</i> Can cause dry skin and in some cases hypersensitivity and irritation.</p> <p><i>Eyes:</i> Irritation, red eyes, superficial corneal injury, and watery eyes.</p> <p><i>Inhalation:</i> There are no studies, however, if the product is inhaled it can cause respiratory tract irritation.</p>
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<b>Effects due to Chronic Exposure</b>	<p><i>Dermatitis:</i> Long-term contact can cause reddening of the skin, peeling and cracking.</p> <p><i>Sensitization:</i> No sensitizing effects are known.</p> <p><i>Carcinogenicity:</i> There is no available information on carcinogenicity for this product.</p>
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## SECTION 12: ECOTOXICOLOGICAL INFORMATION

There are no available data on trials of this product. Do not allow the product going through sewage or waterways.

## SECTION 13: DISPOSAL CONSIDERATIONS

- Retrieve unpolluted products whenever possible and reuse or recycle them for beneficial purposes. If you cannot retrieve them, dispose them according to the federal, state, or local requirements.
- Do not dispose in waterways.
- Disposal should take place according to the applicable laws in force.

## SECTION 14: TRANSPORTATION /SHIPPING INFORMATION

- The product is not classified as hazardous for transportation purposes.
- See regulation for land transport of Hazardous Materials and Waste.
- Ship in closed, vertical and safe containers. Make sure people transporting the product know what to do in case of accident or spillage.

## SECTION 15: REGULATION INFORMATION

<b>TSCA Toxic Substances US</b>	Every component of this product is listed in the TSA inventory promoted by EPA about currently sold chemical products according to 40 CFR 720.30.
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<b>Product Classification and Labeling according to 1999/45/EC</b>	<p>For its cement content.</p> <p>Risk Phrases R:</p> <p>R36/37/38 Eyes, respiratory tract, and skin irritation.</p> <p>R43 Possible sensitization when there is skin contact.</p> <p>Safety Phrases S:</p> <p>S2 Keep out of reach of children.</p> <p>S24/25 Avoid contact with the skin and eyes.</p> <p>S26 In case of contact with the eyes, wash immediately with plenty of water and get medical help.</p> <p>37/39 Use proper gloves, face shield and protective eyewear.</p>
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## SECTION 16: OTHER INFORMATION

# SAFETY DATA SHEET



<b>Hazardous Materials Information System (HMIS)</b>	Health: 1 Inflammability: 0 Physical Risks: 0  The HMIS classifications are based on a 0-4 scale, 0 represents risks or minimum risks, and 4 represents hazards or significant risks.
<b>Definitions</b>	WHMIS: Work Hazardous Materials Information System. GHS: Globally Harmonized System of Chemical Products Classification and Labeling. TSCA: Toxic Substances Control Act. RCRA: Resources Conservation and Recovery Act. TWA: Time Weighted Average. PEL: Permissible exposure limit. TLV: Threshold Limit Value. REL: Recommended exposure limit. HMIS: Hazardous Materials Information System. CFR: Code of Federal Regulations. DEP: Department of Environmental Protection. DOT: Department of Transport. NFPA: National Fire Protection Administration. OSHA: Occupational Safety and Health Administration. IATA: International Air Transport Association. IBC: Intermediate Bulk Container. IMDG: International Maritime Dangerous Goods. MARPOL: International Convention for the Prevention of Pollution of Ships. STPS: Ministry of Labor and Social Welfare. EPA: Environmental Protection Agency of the United States.
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