

SECTION 1. PRODUCT IDENTIFICATION

PRODUCT

Name	Litecon Fireproof Adhesive
Other Names	Fireproof Thin-bed mortar for Autoclaved Aereated Concrete (ACC).
Brand	Litecon
Formula	Non Applicable
Product Uses	It is used in the construction industry as an adhesive for autoclaved aerated concrete (AAC's) pieces, has high fire resistance properties, complementing AAC's 1hr of fire resistance per inch in thickness.

MANUFACTURER

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

Warning Word Danger, Irritant

Risk Pictograms



Hazard Statements

H350: Carc. 1A. May cause cancer (inhalation).
H372: STOT RE 1 Causes damage to organs (lung/Respiratory system) through prolonged or repeated exposure (inhalation).
H 315: Cat. 2 Causes skin irritation.
H 335: STOT SE 3 May cause irritation in the respiratory tract.

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.

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P260 - Do not breath dust
P264: Thoroughly wash your hands after handling the product.
P280: Use protective gloves / protective clothing / protective eyewear /face shield.

EMERGENCY RESPONSE

P314: If you do not feel well, get medical help.
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/EPA (Enviroment Protection Agency)	Carcinogen-Category 1A Specific target Organ Toxicity (STO) Category 1 Skin corrosion or irritation – Category 2 Serious eye injury / Eye irritation – Category 1
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Other hazards	No additional information available
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SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

Name of the Ingredient	Concentration	CAS Number
Silica Sand	50 - 60%	14808-60-7
Cement	40 - 50%	65997-15-1
Additives	0 - 3%	9032-42-2

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.

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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.
Firefighting media	<i>Proper firefighting measures</i> The product is not combustible and not flammable. Use firefighting measures according to the fire.
Special information	Non Applicable.
SECTION 6: MEASURES IN CASE OF ACCIDENTAL RELEASE	
Follow these steps in case of material spillage	<ul style="list-style-type: none"> • Keep minimum powder levels. • Keep unnecessary and unprotected persons away from the spillage area. • Use proper personal protection equipment, according to Section 8. • Avoid inhaling the powder, ensure sufficient ventilation or use adequate breathing apparatus (see section 8). • Spillages: Collect and place in a proper container for its retrieval or removal, using a dry, non-powder generating method. • Follow Local, State, Federal and provincial disposal, or removal regulations.
SECTION 7: HANDLING AND STORAGE	
Safe handling precautions	<ul style="list-style-type: none"> • Do not breathe dust. • Keep in a dry place. • Protect against physical damage. • Ensure a good ventilation in places where the product is handled. • Use the safety equipment suggested in section 8 of this document. • Wash your hands after handling. • Do not eat food during product handling.
Storage recommendations	<ul style="list-style-type: none"> • Store at room temperature. • Protect the product from water for storage purposes.
SECTION 8: EXPOSURE CONTROL / PERSONAL PROTECTION	
Name of the Ingredient	Exposure Limit
Cement	<p>ACGIH: 10 mg/m³ TWA (particulate matter that does not contain asbestos and <1 % of crystalline silica). OSHA: 15 mg/m³ TWA (total powder); 5 mg/m³ TWA (breathable fraction).</p> <p>NIOSH: 10 mg/m³ TWA (total powder); 5 mg/m³ TWA (breathable powder).</p>

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<p>Crystalline Silica</p>	<p>OSHA PEL Z3 (United States, 2/2013). TWA: 10mg/m³ / 8h / Breathable. TWA: 250 mppcf / 8h / Breathable.</p> <p>NIOSH REL (United States, 10/2013). TWA: 0.05mg/m³ / 10h / Breathable powder.</p>
<p>Engineering control measures</p>	<ul style="list-style-type: none"> • <i>Ventilation:</i> Ensure adequate ventilation in the workplace. • <i>Eyewash:</i> Keep emergency eyewash supplies in the workplace.
<p>Personal protection equipment</p>	<ul style="list-style-type: none"> • <i>Protective eyewear:</i> Use safety goggles to handle the product. Keep the eyewash station and rapid drainage facilities in the work area. • <i>Hand protection:</i> Use dry protective gloves. Avoid open fabric gloves. • <i>Skin protection:</i> Use adequate long sleeves protective clothing to prevent skin contact. The clothing should not be torn or ripped. • <i>Shoes:</i> Wear closed shoes. • <i>Respiratory Protection:</i> Particulate matter mask is recommended. Use NIOSH-approved air-purifying or supplied-air respirator where airborne concentrations of dust are expected to exceed exposure limits. <div style="text-align: center;">  </div>
<p>Hygiene</p>	<p>There are no known hazards associated with this material when used as recommended. Following the guidelines in this SDS are recognized as good industrial hygiene practices. Avoid breathing dust. Avoid skin and eye contact. Wash dust-exposed skin with soap and water before eating, drinking, smoking and using toilet facilities. Wash work clothes after each use.</p>
<p>Environment</p>	<p>Ventilation Systems must be filtered before discharging to the atmosphere.</p>
<p>SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES</p>	
<p>Physical State</p>	<p>Solid Powder</p>
<p>Color</p>	<p>White</p>
<p>Odor</p>	<p>Odorless</p>
<p>Stability</p>	<p>Stable</p>
<p>Flammability</p>	<p>It is not Flammable</p>
<p>Explosiveness</p>	<p>It does not explode</p>

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Flash Point	Non-Combustible
Melting Point	1710°C (3110°F)
Boiling Point	2230°C (4046°F)
Vapor Density	Non-Applicable
% Volatile	Non-Applicable
Relative Density	1400-1600 kg/m ³ (85-100 lb/ft ³)
Vapor Pressure	Non-Applicable
Freezing Point	Non-Applicable
Self-ignition	Non-Applicable
Viscosity	Unavailable
Partition Coefficient	Unavailable
Evaporation	Non-Applicable
Decomposition Temperature	Non-Applicable
SECTION 10: Stability and Reactivity	
Reactivity	The material will not react dangerously.
Chemical Stability	The product is stable.
Possibility of Dangerous Reactions	Non-Applicable.
Conditions that should be Prevented	Humid environments. Avoid dust production while the material is transported
Incompatible Material	Avoid strong oxidizers.
Dangerous Decomposition Products	Non-Applicable.
SECTION 11: TOXICOLOGICAL INFORMATION	
Pathways	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.
Effect due to long-term exposure	<i>Skin:</i> Can cause dry skin and in some cases hypersensitivity and irritation. <i>Eyes:</i> Irritation, red eyes, superficial corneal injury, and watery eyes.

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	<i>Inhalation:</i> Causes damage to organs (lungs/respiratory system) through prolonged or repeated exposure (inhalation)
Effects due to Chronic Exposure	<i>Dermatitis:</i> Long-term contact can cause reddening of the skin, peeling and cracking. <i>Sensitization:</i> No sensitizing effects are known. <i>Carcinogenicity:</i> May cause cancer (inhalation)
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	
<ul style="list-style-type: none">• Nonhazardous waste. 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	
<ul style="list-style-type: none">• The product is not classified as hazardous for transportation purposes.• See local 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.• Avoid dust Productions.	
SECTION 15: REGULATION INFORMATION	
TSCA Toxic Substances US	Every component of this product is Listed on the United States TSCA (Toxic Substances Control Act) inventory promoted by EPA about currently sold chemical products according to 40 CFR 720.30.
SECTION 16: OTHER INFORMATION	
Hazardous Materials Information System (HMIS)	Health: 2 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.
Definitions	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.

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	<p>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.</p>
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Version	1
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Notice to the reader	<p>Grupo Calidra and its subsidiaries provide the information included in this document in good faith, but no confirmation of its accuracy is given. This document is only intended to give a duly trained person information on the proper preventive handling of the material. The final determination of any material suitability is the user's sole responsibility. All materials may pose unknown hazards and should be used with caution. Although some of the hazards are herein described, it cannot be ensured that they are the only hazards that may occur.</p>