

## Material Safety Data Sheet

**1. Product and Supplier Information**

Product Name: Lamesa-Labasa Bricks, Tiles & Rooftiles  
 Product Number: NA  
 Product Synonyms: Ceramic bricks  
 Chemical Family or Formula: Fired clay blends  
 Supplier #1: Laminados de Barro, S.A. de C.V.  
 Rio Escondido No. 500  
 Piedras Negras COAH, Mexico  
 Supplier #2: Carretera Miguel Aleman Km 30  
 Pesqueria, NL MEXICO  
 Product Information: PH 01152825 244 0101 ext 111  
 Transportation Emergency: Not applicable  
 Note: The purpose of this MSDS is to provide safe handling, shipping and disposal information for users of the product. It is not intended to, nor does it, provide complete or extensive toxicological data on the product or its components

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**2. Composition and Information on Ingredients**

CAS #	SARA 313 On? De minimis	Material or Component	Exposure Limits (ppm)		
			% RQ#	TWA*	STEL* Prop 65
7631-86-9 & 14808-60-7	No NA	Silica, SiO <sub>2</sub>	60 None	10 mg/m <sup>3</sup> (Total dust)	Yes
1309-37-1	No NA	Alumina (Al <sub>2</sub> O <sub>3</sub> )	25 None	10 mg/m <sup>3</sup> (Total dust)	No
1345-25-1	No NA	Iron oxide, Fe <sub>2</sub> O <sub>3</sub> (Dust) as Fe	6 None	5 mg/m <sup>3</sup> (Respirable)	No

Note: An MSDS is not required for solid items like this. This information is presented for the occasions when the item is sawn, abraded or filed and powder is generated which may be breathed into the lungs.

Components listed in approximate decreasing order of their percentage composition as the oxides is as follows:

SiO<sub>2</sub>, Al<sub>2</sub>O<sub>3</sub>, MnO<sub>2</sub>, Fe<sub>2</sub>O<sub>3</sub> Traces less than 5%are as follows: Al<sub>2</sub>O<sub>3</sub>:SiO<sub>3</sub>, BaCO<sub>3</sub>,

7631-86-9 & 14808-60-7 Silica, SiO<sub>2</sub> 60 None 10 mg/m<sup>3</sup> (Total dust) Yes

1309-37-1 No NA Alumina (Al<sub>2</sub>O<sub>3</sub>) 25 None 10 mg/m<sup>3</sup> (Total dust) No

1345-25-1 No NA Iron oxide, Fe<sub>2</sub>O<sub>3</sub> (Dust) as Fe 6 None 5 mg/m<sup>3</sup>(Respirable) No

No component is listed in "Threshold and Biological Exposure Indices for 2009" from ACGIH except as noted above.

Components listed in Title III Sec. 313 (EPCRA) are indicated by "Yes" above.

\*TWA= Time Weighted Average; STEL= Short Term Exposure Limit; WEEL= Workplace Employee Exposure Level  
 NE= Not Established "De minimis" = Threshold reporting limit for SARA 313 for this material.

**3. Hazards Identification****Emergency Overview:**

Minimal skin irritation hazard expected from abrasive contact. Mechanical irritation of the eye if contacted.

**Routes of Entry:**

Eye contact, skin contact, ingestion

**Chemical Interactions:**

No hazardous reactions known for ingredients in this product form.

**Medical Conditions Aggravated:**

None found.

**Human Threshold Response Data**

**Odor Threshold:** Not established

**Irritation Threshold:** Not established

**Hazard Category Classifications and Ratings**

Hazard Categories:	Health	Fire	Pressure	Reactivity	Reference 49 CFR 171.8,
Immediate	No	No	No	No	OSHA 29 CFR 1910.1200 and
Delayed	No	No	No	No	SARA 302/311/312/313.
HMIS Hazard Ratings: Health 0 Fire 0 Instability 0 Other B (Glasses, gloves)					
NFPA 704 Hazard Ratings: Health 1 Flammability 0 Reactivity 0 Special NA					
Hazard Ratings: Least: 0 Slight: 1 Moderate: 2 High: 3 Extreme: 4					
* "Yes" in Delayed Fire hazard category indicates this material poses a spontaneous combustion hazard.					

Notice: HMIS and NFPA ratings involve the subjective evaluation of the hazardous aspects of individual components, and can differ between preparers. They are intended and useful only as a rapid, general identification of the approximate magnitude of the specific hazards rated.

**Hazards Identification (continued) related to dust or shards generated during processing:**

Breathing

Dust from cutting or filing may cause a problem.

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## Skin Contact:

May cause itching or mechanical irritation.

## Eye contact:

May cause itching or mechanical irritation.

## Swallowing:

Temporary mechanical irritation of the digestive tract is possible.. If symptoms develop consult a physician.

**Conditions aggravated by exposure:**

No hazard anticipated from ingredients in this form.

**Prolonged (Chronic) Health Effects**

No hazard presented.

**4. First Aid**

Note: For problems resulting from dust or fibers generated during processing, treat the symptoms appropriately.

## Inhalation:

No hazard anticipated from ingredients in this form.

## Skin Contact:

No hazard anticipated from ingredients in this form.

## Eyes:

No hazard anticipated from ingredients in this form.

## Ingestion:

No hazard anticipated from ingredients in this form.

**5. Fire Fighting Measures****Flammability Summary (OSHA):**

Flammable Properties: The product does not support combustion under any circumstances.

Flash Point: None

Autoignition Temperature: None

Upper Flammable/Explosive Limit, % in air None

Lower Flammable/Explosive Limit, % in air None

## Fire/Explosion Hazards:

Not a hazard.

Extinguishing Media: Concentrate on primary source of fire.

## Fire Fighting Instructions:

In case of fire, use normal fire fighting equipment including a NIOSH approved self-contained breathing breathing apparatus (SCBA). Fight fire from a safe distance.

**6. Accidental Release Measures****General:**

No hazard anticipated from ingredients in this form.

**Small Spill:**

Pick up for reclaim or disposal in approved manner.

**Large Spill:**

Pick up for reclaim or disposal in approved manner.

**7. Handling and Storage**

## Handling:

No hazard anticipated from ingredients in this form.

## Storage

No restrictions or limitations.

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**8. Exposure Controls and Personal Protection**

## Ventilation:

- No special ventilation is required in normal use.
- Use local exhaust to control dust if generated.

## Protective Equipment for Routine Use of Product Where Appropriate:

## Respiratory Protection:

- Use NIOSH/MSHA approved respirator when airborne dust may exceed exposure limits.
- A respiratory protection program that meets OSHA 1910.134 and ANSI 288.2 requirements must be followed wherever workplace conditions warrant respirator use.

## Skin:

- Not required for occasional handling. Use appropriate gloves as required.

Eyes: If sanding or grinding this material wear glasses or goggles as dust can cause mechanical irritation.

- Usefulness of eye protection is not anticipated.

## Protective Clothing Type:

- Not required.

Exposure Limit Data : See Section II

**9. Physical Data**

Physical State:	Solid	Vapor Density (Air = 1):	Not volatile
Color:	Various colors	Vapor Pressure 20°C:	Nil
Odor:	Nil	Evaporation Rate (Butyl acetate =1):	Not applicable
		Volatiles % by vol.:	Nil
Molecular Weight:	Not applicable	Boiling Point @ 20 mm Hg:	NA
pH (@ 25 Deg. C):	Not applicable	Freezing Point:	Not applicable
Octanol/Water Coeff:	Not applicable		
Solubility in Water:	Insoluble		
Bulk Density:	Not applicable		
Specific Gravity:	NA		

**10. Stability and Reactivity****Stability and Reactivity Summary:**

- Stable under normal conditions.

**Reactive Properties:**

Sensitivity to mechanical shock:	None
Hazardous Polymerization:	Will not occur.
Conditions to Avoid:	High temperature
Chemical Incompatibility:	Will react with acids to generate carbon dioxide.
Incompatible materials:	None known
Hazardous decomposition Products:	Carbon dioxide, carbon monoxide, nitrogen oxides
Decomposition Temperature:	Not determined
Product May Be Unstable At Temperatures Above:	Not determined

**11. Toxicological Information****Component Animal Toxicology****Results for product:**

Oral LD50 value mg/kg:	No data available
Dermal LD50 value mg/kg:	No data available
Inhalation LC50 value:	No data available

## Component Data:

- No data.

## Mutagenicity:

- No data.

## Carcinogenicity:

- This chemical is not known or reported to be carcinogenic by any reference source including IARC,

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OSHA, NTP, or EPA.

## 12. Ecological Information

### Ecological Toxicity Values:

Environmental fate: No information found

Environmental Toxicity: No information found

## 13. Disposal Considerations

CARE MUST BE TAKEN TO PREVENT ENVIRONMENTAL CONTAMINATION FROM THE USE OF THIS MATERIAL  
THE USER OF THIS MATERIAL HAS THE RESPONSIBILITY TO DISPOSE OF UNUSED MATERIAL, RESIDUES  
AND CONTAINERS IN COMPLIANCE WITH ALL RELEVANT LOCAL, STATE AND FEDERAL LAWS

### Waste Disposal Summary:

Product as supplied does not qualify as a hazardous waste.

### Potential US EPA Waste Codes:

Not applicable.

### Disposal Methods:

Dispose of in accordance with local, state and federal regulations.

### Components subject to land ban restrictions:

No components subject to land ban restrictions.

## 14. Transportation Information

Proper Shipping Name, Hazard Class, UN/NA Number Packing Group, Emergency Response Guide Number	
	Not regulated.
Labels required per 49 CFR 172.101:	None
Size for "Limited quantity" per 49 CFR 173.150-.155:	Not applicable
Reportable Quantity ("RQ") per 49 CFR 172.101:	None
Passenger and Cargo Air & Rail (172.101):	Not regulated
Eff. Jan 1, 2001 Cargo only:	Not regulated
Vessel Stowage:	Not regulated

## 15+B240. Regulatory Information

### UNITED STATES:

#### Toxic Substances Control Act (TSCA):

The components of this product are listed on the TSCA Inventory of Existing Chemical Substances.

#### Pesticide acceptance indication: US EPA Registration Number:

Not applicable

#### California Prop. 65: No ingredient listed.

#### Hazard Categories Sections 311/312 (40 CFR 370.2):

#### Health:

Acute No                      Fire: No                      Pressure: No  
Chronic No                      Reactivity: No

#### Emergency Planning & Community Right to Know (40 CFR 355, App. A):

#### Extremely Hazardous Substance Section 302 - Threshold Planning Quantity:

None

#### Reportable Quantity (40 CFR 302.4):

None

## 16. Additional Information

This Material Safety data sheet (MSDS) has been prepared in compliance with the federal OSHA Hazard Communication Standard 29 CFR 1910.1200. The information in this MSDS should be provided to all who will use, handle, store transport or otherwise be exposed to this product. We believe this information to be reliable and up to date as of its publication date, but make no warrantee that it is. If this MSDS is more than 3 years old you should contact the supplier to make certain that the information is still current.