



Vesuvius Mexico, S. A. de C. V.

Carretera Libre a San Miguel Km 1, Col. Jardines de San Rafael Guadalupe, Nuevo León, Mexico 67110

## Safety Data Sheet

<b>LV-60 BSD PLY ASY 35 TS3333 CN (KA61495, KA65488)</b>	<b>SDS Number</b> SDS-31053 <b>Revision:</b> 2 <b>Legacy Number:</b>
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### Preparation Information:

<b>Site:</b> All	Contact Deb Cook @ (419) 986-6714 for further product information or medical emergency during normal business hours.
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### Section 1: Product and Company Identification

<b>Product Name:</b> LV-60 BSD PLY ASY 35 TS3333 CN (KA61495, KA65488)	<b>Chemical Name:</b> Refractory part/pattern	<b>Formula:</b> N/A	<b>CAS Number:</b> N/A
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### Product Use:

Slide Gate

### Supplier Information:

<b>Supplier Name:</b> Vesuvius Mexico, S. A. de C. V.	<b>Supplier Phone:</b> +52 (81) 8319 4500
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### Supplier Address:

Carretera Libre a San Miguel Km. 1, #140  
Col. Jardines de San Rafael  
Guadalupe, Nuevo León, 67110

### Manufacturer Information:

<b>Manufacturer Name:</b> Vesuvius Mexico, S. A. de C. V.	<b>Manufacturer Phone:</b> +52 (81) 8319 4500
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### Manufacturer Address:

Carretera Libre a San Miguel Km. 1, #140  
Col. Jardines de San Rafael  
Guadalupe, Nuevo León, 67110

### Emergency Contact Information:

CHEMTREC (800) 424-9300 (USA)  
CANUTEC (613) 996-6666 (CANADA)

## Section 2: Hazard(s) Identification

<b>Hazard Classification:</b> Not Classified			
<b>Signal Word:</b> N/A			
<b>Hazard Statement(s):</b> None			
<b>Pictograms:</b> None			
<b>Precautionary Statement(s):</b>			
<b>Prevention</b> None	<b>Response</b> None	<b>Storage</b> Store in a dry place.	<b>Disposal</b> Dispose accordance with local, state and federal regulations.
<b>Hazards not Otherwise Classified:</b> Combustable Dust			
<b>Percentage of the mixture consisting of ingredients of unknown toxicity:</b> N/A			

## Section 3: Composition/Information on Ingredients

Ingredient:	CAS No. / Other Identifiers:	% Weight:
Aluminum Oxide, non-fibrous	1344-28-1	72-82
Zirconia	14940-68-2	0.1-6
Phenolic Resins	37337-65-8	1-7
Aluminosilicate	1302-93-8	3-9
Aluminum	7429-90-5	4-10

## Section 4: First Aid Measures

<b>Emergency Overview:</b> This product is a fired refractory shape and so presents minimal hazards.
<b>Potential Health Effects:</b> None are expected because of the physical nature of this product. It is essentially a coherent non-dusty product.
<b>Chronic Health Hazards:</b> If dust is created by breaking or abrading, prolonged and/or repeated inhalation of crystalline silica dusts may cause cancer and silicosis of the lungs
<b>Medical Conditions Generally Aggravated by Exposure:</b> Pre-existing skin and respiratory ailments.

### Routes of Entry:

<b>Eyes?</b> Yes	<b>Skin?</b> Yes	<b>Inhalation?</b> Yes	<b>Ingestion?</b> No	<b>Other?</b>
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### Carcinogenicity:

<b>NTP?</b> No	<b>IARC?</b> Yes	<b>OSHA?</b> No	<b>WHMIS?</b> Yes	<b>Other?</b> NIOSH
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## SDS for LV-60 BSD PLY ASY 35 TS3333 CN (KA61495, KA65488)

### Details:

N/A

<b>Eye Contact:</b> Immediately flush with water for a t least 15 minutes. If irritations persists, consult physician.
<b>Skin Contact:</b> Immediately wash with cold water. If irritations persists, consult physician.
<b>Inhalation:</b> Remove person to fresh air. If problems persist, consult physician.
<b>Ingestion:</b> N/A

## Section 5: Fire-Fighting Measures

<b>Flash Point:</b> N/A	<b>Auto-Ignition:</b> N/A	<b>LEL:</b> N/A	<b>UEL:</b> N/A
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### NFPA Hazard Classification:

<b>Health:</b> 1	<b>Flammable:</b> 0	<b>Reactivity:</b> 0	<b>Special Hazard:</b> N/A
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### HMIS Hazard Classification:

<b>Health:</b> 1	<b>Flammable:</b> 0	<b>Reactivity:</b> 0	<b>PPE:</b> B
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<b>Extinguishing Media:</b> No special instructions or conditions.
<b>Special Fire Fighting Procedures:</b> No special instructions other than use of approved respirators. Product is not combustible. No hazardous decomposition products.
<b>Unusual Fire and Explosion Hazards:</b> SENSITIVITY TO MECHANICAL IMPACT: N/A SENSITIVITY TO STATIC DISCHARGE: N/A OTHER: N/A

## Section 6: Accidental Release Measures

Sweep or pick up with vacuum cleaner. Minimize dust levels and wear dust mask.
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## Section 7: Handling and Storage

Store in dry place to minimize exposure to moisture.
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## Section 8: Exposure Controls/Personal Protection

Exposure Limits Ingredient	PEL-OSHA	TLV-ACGIH	Other

**SDS for LV-60 BSD PLY ASY 35 TS3333 CN (KA61495, KA65488)**

Zirconia	5 mg/M3 (respirable)	5 mg/M3 (respirable)	N/A
Aluminosilicate	5 mg/m3 (respirable)	5 mg/M3 (respirable)	N/A
Aluminum Oxide, non-fibrous	5 mg/M3 (respirable)	1 mg/M3 (respirable)	N/A
Aluminum	5 mg/M3 (respirable)	1 mg/M3 (respirable)	N/A
Phenolic Resins	15 mg/m3 (skin)	N/A	N/A

**Details:**

N/A

**Respiratory Protection:**

If PEL/TLV is exceeded, use NIOSH approved mask/respirator for above listed ingredients.

**Ventilation**

LOCAL: N/A

SPECIAL: N/A

MECHANICAL: As required to maintain levels below the listed PEL/TLVs.

ENGINEERING CONTROLS: N/A

**Protective Equipment:**

GLOVES: anti slip

EYE: safety glasses with side shields

CLOTHING: long sleeves, long pants

**Personnel Sampling Procedure:**

N/A

**PPE Symbols Displayed:**

**Section 9: Physical and Chemical Properties**

	Chemical Properties
<b>Appearance (physical state, color, etc.):</b>	A solid grey shape
<b>Odor:</b>	N/A
<b>Odor threshold:</b>	N/A
<b>pH:</b>	9-11
<b>Melting point/freezing point:</b>	>1800F
<b>Initial boiling point and boiling range:</b>	N/A
<b>Flash point:</b>	N/A
<b>Evaporation rate:</b>	N/A
<b>Flammability (solid, gas):</b>	N/A
<b>Upper/lower flammability or explosive limits:</b>	N/A
<b>Vapor pressure:</b>	N/A
<b>Vapor density:</b>	N/A
<b>Relative density:</b>	See Product Data sheet.
<b>Solubility(ies):</b>	N/A
<b>Partition coefficient: n-octanol/water:</b>	N/A
<b>Auto ignition temperature:</b>	N/A
<b>Decomposition temperature:</b>	N/A
<b>Viscosity:</b>	N/A
<b>Other Relevant Properties:</b>	N/A

**Section 10: Stability and Reactivity**

<b>Stability:</b> Stable	<b>Avoid:</b> N/A
<b>Reactivity:</b> None	<b>Avoid:</b> N/A
<b>Other:</b> N/A	
<b>Incompatibility:</b> None	
<b>Hazardous Decomposition of By-products</b> None	
<b>Polymerization:</b> Will not occur	<b>Avoid:</b> N/A

## Section 11: Toxicological Information

Chemical Name	% Wt.	LD50	LC50	Route of Exposure:	Short / Long Term Exposure Effects:	Known Carcinogen:
N/A						

Other Studies:

## Section 12: Ecological Information

Ecotoxicity:

N/AV

Environmental Fate:

N/AV

## Section 13: Disposal Considerations

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

## Section 14: Transport Information

International

N/A

United States

N/A

Canada

SHIPPING NAME: N/A

P.I.N/UN: N/A

PRIMARY CLASS: N/A

SUBSIDIARY CLASS: N/A

PACKING GROUP: N/A

European Community

N/A

## Section 15: Regulatory Information

### US Federal Regulations

TSCA

All components of this product are included on the EPA TSCA Chemical Substance Inventory.

### SARA 311 and 312 Hazard Categories:

Immediate (Acute) Health Hazard:	Yes
Delayed (Chronic) Health Hazard:	No

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<b>Fire Hazard:</b>	No
<b>Reactivity:</b>	No
<b>Sudden Release of Pressure:</b>	No

### **SARA Section 313 Notification:**

This product contains toxic chemical or chemicals subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372, based upon our knowledge of the raw materials comprising this product.

Aluminum CAS 7249-90-5

### **Ozone Depleting Substances:**

N/A

### **Volatile Organic Compounds (VOC):**

N/A

### **US State Regulation:**

N/A

### **Canadian Regulation:**

Canadian Environmental Protection Act (CEPA) - All substances in this product are listed, as required, on the Domestic Substance List (DSL).

### **WHMIS CLASSIFICATION: See GHS classification in Section 2**

This Product has been classified in accordance with the hazard criteria of the CPR and the MSDS contains all the information required by the CPR.

### **European Regulation:**

N/A

### **Other Regulation:**

N/A

### **MITI:**

N/A

N/A is Not Applicable

N/K is Not Known

N/AV is Not Available

## Section 16: Other Information

The product is a fired refractory brick/shape available in various sizes and shapes. It is composed of the mineral phases in Section 3, some of which may be present in dust generated by sawing, cutting, or crushing during installation or tear-out.

### **Document Revision History:**

<b>Revision:</b> 2	<b>Date Created:</b> 12/22/2015 <b>Date of Last Revision:</b> 08/02/2016	<b>Last Approval Date:</b> 08/02/2016
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### **Document Author:**

Deb Cook

### **Document Manager:**

Wendy Hunt

### **SDS Status:**

**Disclaimer**

Information contained within this safety data sheet is based on the current state of knowledge and relates to such products, their intended usage and the required safety precautions. Although every effort has been made to ensure that this information is correct and gives adequate safety margins in line with current knowledge, it does not constitute a specification and no information for other purposes, particularly information regarding properties of the delivered materials, may be inferred. Determination of the technical suitability of each material and complying with any guidance relating to safe usage remain the sole responsibility of the user. Consequently, beyond any separately agreed contractual arrangements, the aforementioned manufacturer and its subsidiaries exclude any and all liability resulting from the use of the product. Unknown hazards may be inherent in all materials; therefore these materials shall be treated with caution. Although certain hazards are described herein, we are unable to guarantee that these are the only hazards.