



**WesBond Corporation  
Material Safety Data Sheet**

**Wesolite SLG**

Revision Date: 07/21/2011	Supercedes: 07/08/2008	First Issued: 01/01/1999
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**Section 1. Chemical Product and Company Identification**

Sales Name	<b>Wesolite SLG</b>
Product Description	Inorganic Binder
CAS Number	N/A

Manufacturer	Sphere One for WesBond Corporation	
Address	1135 E. 7 <sup>th</sup> Street Wilmington, DE 19801	
Contact	Wes Jones	
Telephone (0800 – 1630 EST)	302-655-7917	
Approved By	Wes M Jones	

<b>Emergency Telephone</b>	US – CHEMTREC (24 hrs) CANADA – CANUTEC (24 hrs)	800-424-9300 613-996-6666
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**Section 2. Composition / Information on Ingredients**

Component	CAS Number	Weight %
Aluminum Silicate (Al <sub>2</sub> SiO <sub>3</sub> )	1302-76-7	~85%
Mullite (Synthetic) (3Al <sub>2</sub> O <sub>3</sub> -2SiO <sub>2</sub> )	1302-93-8	~15%
Crystalline Silica (SiO <sub>2</sub> ) (from fly ash)	1408-60-7	<0.8%

**Section 3. Hazard Identification**

<b>Emergency Overview</b>	<b>Off-white to white, odorless, powder. May cause irritation or abrasion to the eyes. May cause dehydration and irritation to skin. Dust causes irritation to respiratory tract. Noncombustible. Floats in water.</b>
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<b>Potential Health Effects</b>	
<b>Eyes</b>	Mechanical eye irritation: Sign/symptoms may include pain, redness, tearing and corneal abrasion.
<b>Skin</b>	Mechanical skin irritation: Signs/symptoms may include abrasion, redness, pain, and itching.
<b>Inhalation</b>	Upper Respiratory Tract Irritation: Signs/symptoms may include cough, sneezing, nasal discharge, headache, hoarseness, and nose and throat pain.
<b>Ingestion</b>	Gastrointestinal Irritation: Signs/symptoms may include abdominal pain, nausea, diarrhea, and vomiting.
<b>Lung Effects</b>	Signs/symptoms may include difficulty breathing, cough, wheezing, weakness, increased heart rate, bluish colored skin (cyanosis), sputum production, and changes in lung function tests
(See Section 11 for Toxicological Information)	



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**Section 4. First Aid Measures**

<b>EYES</b>	In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention if irritation persists.
<b>SKIN</b>	In case of contact, immediately flush skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if irritation develops and persists. Wash clothing before reuse. Thoroughly clean shoes before reuse.
<b>INHALATION</b>	: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.
<b>INGESTION</b>	Do not induce vomiting. Give victim two glasses of water. Never give anything by mouth to an unconscious person. Get immediate medical attention.
<b>Notes to physician</b>	None.

**Section 5. Fire Fighting Measures**

Flash Point (°F)	Noncombustible
Flammable Limits ( Vapor In Air, Vol.% )	N/A
Fire Extinguishing Media	Non-combustible. Choose material suitable for surrounding fire.
Special Fire Fighting Procedures	Wear full protective clothing, including helmet, self, positive pressure or pressure demand breathing apparatus, bunker coat and pants, bands around arms, waist and legs, face mask, and protective covering for exposed areas of the head.
Unusual Fire And Explosion Hazards	No unusual fire or explosion hazards are anticipated
Flash Point (°F)	Noncombustible

**Section 6. Accidental Release Measures**

Large Spillages	: Keep unnecessary people away; isolate hazard area and deny entry. Do not touch or walk through spilled material. Carefully shovel or sweep up spilled material and place in suitable container. Avoid generating dust. Use appropriate Personal Protective Equipment (PPE). See section 8. Comply with applicable environmental regulations.
Small Spillages	Carefully shovel or sweep up spilled material and place in suitable container. Avoid generating dust. Use appropriate Personal Protective Equipment (PPE). See section 8.
Personal Protection	Wear safety goggles, body-covering clothing, chemical and abrasion-resistant gloves, and NIOSH-approved respiratory protection appropriate to the level of hazard where dust occurs.

**Section 7. Handling and Storage**

Electrostatic Accumulation Hazard	N/A
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Usual Shipping Containers	Bags.
Storage/Transport Temperature	Ambient.
Storage/Transport Pressure	Ambient.
Load/Unload Temperature	Ambient.
Storage and Handling Materials	Any dust-tight container.

**Section 8. Exposure Controls/Personal Protection**

<b>Engineering Controls</b>	Provide local exhaust ventilation at transfer points. Use general dilution ventilations and/or local exhaust ventilation to control airborne exposure to below occupational exposure limits and/or control dust, fume, or airborne particles. If ventilation is not adequate, use respiratory protection equipment.
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<b>Personal Protective Equipment</b>	
Respiratory Protection	Avoid breathing dust. Select one of the following NIOSH approved respirators based on airborne concentration of contaminants and in accordance with OSHA regulations. Half face piece or full face air-purifying respirator with N95 particulate filters.
Skin Protection	Avoid skin contact. Select and use gloves and/or protective clothing to prevent skin contact based on the results of an exposure assessment. Consult with your glove and protective clothing manufacturer for selection of appropriate compatible materials. Gloves made from the following materials are recommended: Neoprene, Nitrile Rubber.
Eye Protection	Safety glasses with side shields or chemical goggles. Other Protective Equipment: Safety shower and eyewash fountain should be within direct access.
Personal Hygiene	Wash thoroughly after handling
General Ventilation	Local exhaust: as needed to control within TLVs. Mechanical General: low airflow to not create dust.

<b>Exposure Guidelines</b>		
<b>Component</b>	<b>PEL-OSHA</b>	<b>TLV-ACGIH</b>
Aluminum Silicate	15 mg/m <sup>3</sup> , Total dust 5 mg/m <sup>3</sup> , Respirable dust	Not Regulated
Mullite (Synthetic)	15 mg/m <sup>3</sup> , Total dust 5 mg/m <sup>3</sup> , Respirable dust	Not Regulated
Crystalline Silica	10 mg/m <sup>3</sup> , Total dust	.05 mg/m <sup>3</sup>
Ceramic Microspheres contain <1% particle below 10um which puts most of these compounds outside respirable limits.		

**Section 9. Physical and Chemical Data**

Appearance	Low Density Fine Powder, Off white to white color
Odor	Odorless
pH	N/A



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Specific Gravity	0.60-0.95 [Ref Std: Water = 1]
Solubility In Water	Negligible
Bulk Density	0.35-0.45 g/cc.
Solubility In Other Solvents	No
Vapor Pressure	N/A
Melting Point	1,200°C
Boiling Point	N/A
Evaporation Rate (water = 1)	N/A

**Section 10. Stability and Reactivity**

Stability	This material is stable under all conditions of use and storage.
Conditions To Avoid	None.
Incompatibility (Materials To Avoid)	None
Hazardous Decomposition Products	None
Hazardous Polymerization	Will not occur.

**Section 11. Toxicological Information**

Toxicological Information	In product form, no toxicological hazards exist due to all crystalline material being incased in the glass-like shell. It is classified as a nuisance dust. If product is machined in any way, breathable particles of crystalline silica may be formed.
Acute Oral Toxicity	N/A
Acute Dermal Toxicity	No information.
Inhalation Effects	N/A
Irritation to Skin	None.
Irritation to Eyes	Slightly irritating.
Sensitization Data	N/A
Reproductive toxicity/teratogenicity	No information.
Carcinogenicity/mutagenicity & long term effects	Since Wesolite SLG is a blend manufactured from raw materials retrieved from the earth, such as (limestone, marble sand, etc.) and process heat is provided by burning fossil fuels, trace, but detectable, amounts of naturally occurring, and possibly harmful, elements may be found during chemical analysis. Under ASTM standards, Wesolite SLG contains 1.00% insoluble residue. A fraction of these residues may be free crystalline silica. Respirable crystalline silica (quartz) can cause silicosis, a fibrosis (scarring) of the lungs and possibly cancer. There is evidence that exposure to respirable silica or the disease silicosis is associated with an increased incidence of Scleroderma, tuberculosis and kidney disorders.
Epidemiology	No information.
Neurotoxicity	No information.



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**Section 12. Ecological Information**

Biodegradability	Not relevant, inorganic product.
Aquatic toxicity	No information.
Ecological Information	There is no reported ecotoxicity data for this material.
Environmental Effects	No information.

**Section 13. Disposal Considerations**

Product disposal	Reclaim if feasible. Dispose in accordance with federal, state and local regulations and permits.
RCRA	Not a listed hazard.

**Section 14. Transport Information**

General	ID Number(s): 70-0705-7208-9, 70-0705-7216-2, 70-0705-7217-0, 70-0705-7218-8, 70-0707-4976-0
Transport Summary	This product is not regulated as a hazardous material by the United States (DOT) or Canadian (TDG) transportation regulations.
UN/ID number	N/A
DOT/TAG	N/A
IMDG (Sea)	N/A
Proper shipping name	None necessary
Air (ICAO/IATA-DGR)	N/A

**Section 15. Regulatory Information**

<b>US Federal Regulations</b>	
U.S. TSCA	This product is an article defined by TSCA regulations and is exempt from TSCA Inventory listing requirements.
OSHA regulated	Not controlled
SARA 302	Not subject to SARA 302.
SARA 311/312	Fire Hazard – No; Reactivity Hazard – No; Pressure hazard – No; Immediate Hazard – No; Delayed Hazard – Yes
SARA 313	Not subject to SARA 313.
California Proposition 65	This product contains chemicals known to the State of California to cause cancer.
CERCLA reportable quantities	There is no CERCLA Reportable Quantity for this material. If a spill goes off site, notification of state and local authorities is recommended.

<b>International Regulations</b>	
Canada DSL/NDSL	In compliance



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WHMIS classification	Not controlled
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**Section 16. Other Information**

<b>Abbreviations</b>			
<b>ACGIH</b>	American Conference of Governmental Industrial Hygienists	<b>NIOSH</b>	National Institute for Occupational Safety and Health
<b>CAS</b>	Chemical Abstract Service	<b>OSHA</b>	Occupational Safety and Health Administration
<b>HMIS</b>	National Paint & Coating Hazardous Materials Identification System	<b>SARA</b>	Superfund Amendment and Reauthorization Act
<b>IARC</b>	International Agency for Research on Cancer	<b>PEL</b>	Permissible Exposure Limit
<b>N/A</b>	Not Applicable	<b>TLV</b>	Threshold Limit Value
<b>NFPA</b>	National Fire Protection Association Hazard Ratings	<b>TWA</b>	Time Weighted Average

<b>HMIS – National Paint &amp; Coating Hazardous Materials Identification System</b>	
<b>1</b>	Health Hazard Rating - Slight
<b>0</b>	Flammability Rating – Minimal
<b>0</b>	Reactivity Rating - Minimal
<b>E</b>	Personal Protection – Safety Glasses, Gloves, Dust respirator
<b>NFPA – National Fire Protection Association Hazard Ratings</b>	
<b>1</b>	Health Hazard Rating - Slight
<b>0</b>	Flammability Rating – Minimal
<b>0</b>	Instability Rating - Minimal
	Special Hazards – None

**The information on this safety data sheet is believed to be accurate and it is the best information available to WesBond Corporation. This document is intended only as a guide to the appropriate precautions for handling a chemical by a person trained in chemical handling. WesBond Corporation makes no warranty of merchantability or any other warranty, express or implied with respect to such information of the product to which it relates, and we assume no liability resulting from the use or handling of the product to which this safety data sheet relates. Users and handlers of this product should make their own investigations to determine the suitability of the information provided herein for their own purposes.**