

U.S. Department of Labor

Occupational Safety & Health Administration

Material Safety Data Sheet

OSHA 174

May be used to comply with OSHA's Hazard Communication Standard, 29 CFR 1910.1200. Standard must be consulted for specific requirements.

U.S. Department of Labor

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(Non-Mandatory Form)

Form Approved

OMB No. 1218-0072



IDENTITY (As Used on Label and List)

Interlocking Concrete Pavers

Note: Blank spaces are not permitted. If any item is not applicable, or no information is available, the space must be marked to indicate that.

Section I

Manufacturer's Name Western Interlock	Emergency Telephone Number 911
Address (Number, Street, City, State, and ZIP Code) 10095 Rickreall Rd Rickreall, OR 97371	Telephone Number for Information (503) 623-9084
	Date Prepared December 4, 2006

Section II - Hazardous Ingredients/Identity Information

Hazardous Components (Specific Chemical Identity; Common Name (s))	OSHA PEL	ACGIH TLV	Other Limits Recommended	%(optional)
Conc. Sand		N/A	N/A	60%-70%
Crushed Rock		N/A	N/A	30%-40%
Cement		N/A	N/A	10%-25%
Admix		N/A	N/A	0-1%
Iron Oxide		N/A	N/A	0-2%
*Crystalline Silica (Quartz) 5000 mg/m		*see below		
**Cement		15mg/m ³ (tot) 5/mg/m ³ (resp.)	15mg/m ³ (tot) 5/mg/m ³ (resp.)	

* OSHA for crystalline silica in the form of quartz is +mg/m³ + (%S102+2). And 50% of this value for cristobalite and tridymite.

** Portland cements are listed by OSHA in 29 CFR 1010.1000, table Z-1-A and require material safety data sheet (FR, January 19, 1989). MSHA (30 CFR 55.5-1, Ref2), ACGIH (TLV's for 1973, appendix E) and ACGIH (TLV's for 1984-85 appendix D) list Portland Cements as nuisance dusts. Portland Cements are Not listed by NTP, IARC or OSHA as carcinogens. However, since Portland Cement is mfg. from raw material mined from the earth (limestone, marl, sand, shale, clay, 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, Portland cement may contain .75% insoluble residue, which a fraction on these residues may be free crystalline silica.

Section III - Physical/Chemical Characteristics

Boiling Point	N/A	Specific Gravity (H ₂ O = 1)	N/A
Vapor Pressure (mm Hg)	N/A	Melting Point	N/A
Vapor Density (AIR = 1)	N/A	Evaporation Rate (Butyl Acetate = 1)	N/A
Solubility in Water Not Soluble			
Appearance and Odor Odorless Solid			

Section IV - Fire and Explosion Hazard Data

Flash Point (Method Used) N/A	Flammable Limits N/A	LEL N/A	UEL N/A
Extinguishing Media N/A			
Special Fire Fighting Procedures None			
Unusual Fire and Explosion Hazards None			

Section V - Reactivity Data

Stability	Unstable		Conditions to Avoid
	Stable	X	None
Incompatibility (Materials to Avoid) None			
Hazardous Decomposition or Byproducts None			

Hazardous Polymerization	May Occur		Conditions to Avoid
	Will Not Occur	X	None

Section VI - Health Hazard Data

Route(s) of Entry:	Inhalation? Yes	Skin? No	Ingestion? Yes
Health Hazards (<i>Acute and Chronic</i>) Sawing or grinding may result in release of dust particles which may be inhaled.			
Acute: Cause minor irritation of the eye or nose. Chronic: Result in lung disease (Silicosis) if exposed to excessive amounts for prolonged periods.			
Carcinogenicity:	NTP? No	IARC Monographs? No	OSHA Regulated? No
Signs and Symptoms of Exposure Irritation of eyes and nose or shortness of breath.			
Medical Conditions Generally Aggravated by Exposure: Pre-existing lung disease such as Emphysema or Asthma.			
Emergency and First Aid Procedures Flush eyes generously with water for 15min., if irritation persists, contact a physician.			

Section VII - Precautions for Safe Handling and Use

Steps to Be Taken in Case Material is Released or Spilled
Use adequate ventilation, dustless vacuum and clean up materials, so as not to exceed PEL.
Waste Disposal Method Dispose of as common/proper water container
Precautions to Be taken in Handling and Storing None
Other Precautions Wear NIOSH approved respirator and tight fitting goggles when sawing or grinding.

Section VIII - Control Measures

Respiratory Protection (<i>Specify Type</i>) NIOSH approved Particulate Respirator		
Ventilation	Local Exhaust	Special N/A
	Mechanical (<i>General</i>) In confined area	Other N/A
Protective Gloves When Required	Eye Protection Tight fitting goggles	

Other Protective Clothing or Equipment

None

Work/Hygienic Practices

N/A

* U.S.G.P.O.: 1986 - 491 - 529/45775