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## MATERIAL SAFETY DATA SHEET

NATURAL SAND & GRAVEL  
September 2009

## Section I – Manufacturer's Information

<b>Manufacturer</b> VCNA Prairie Aggregates, Inc. 7601 West 79 <sup>th</sup> Street Bridgeview Illinois 60455	<b>General Phone Number (7-5 CST, M-F)</b> (708) 458-0400
	<b>Emergency Phone Number</b> (708) 563-5828 or (708) 563-4054

## Section II – Chemical Composition Information

Composition	CAS No.	% By Weight	Exposure Limits
			OSHA PEL and ACGIH TLV
Natural Sand & Gravel	None	50-99	Total Dust= 30mg/m <sup>3</sup> divided by (%quartz+3)
Silica (Quartz)	14808-60-7	>1	Respirable Dust = 10mg/m <sup>3</sup> divided by (%quartz+2) Respirable Crystalline Silica has an ACGIH TLV of 0.1mg/m <sup>3</sup>

## Section III – Physical Characteristics

<b>Boiling Point:</b> 4046°F	<b>Specific Gravity (H2O = 1):</b> 2.6
<b>Vapor Pressure (mm Hg):</b> Not Applicable	<b>Melting Point:</b> Partial Melting Begins at Approximately 2930°F
<b>Vapor Density (AIR = 1):</b> Not Applicable	<b>Evaporation Rate (Butyl Acetate = 1):</b> Not Applicable
<b>Solubility in Water:</b> Negligible	
<b>Appearance and Odor:</b> Angular or round multi-colored particles. No odor.	

## Section IV – Fire and Explosion Hazard Data

<b>Flash Point:</b> Will Not Ignite	<b>Flammable Limits:</b> Not Applicable	<b>LEL:</b> Not Applicable	<b>UEL:</b> Not Applicable
<b>Extinguishing Media:</b> Not Applicable			
<b>Special Fire Fighting Procedures:</b> None			
<b>Unusual Fire and Explosion Hazards:</b> Natural sand & gravel is neither a fire nor explosion hazard			

## Section V – Reactivity Data

<b>Stability</b>	<b>Unstable</b>		<b>Conditions to Avoid:</b>
	<b>Stable</b>	X	<b>Conditions to Avoid:</b> Not Applicable
<b>Incompatibility (Materials to Avoid):</b> None determined.			
<b>Hazardous Decomposition or By-Products:</b> None determined.			
<b>Hazardous Polymerization:</b> Will not occur.			

## Section VI – Health Hazard Data

Routes of Entry		
Inhalation? Yes	Skin? No	Ingestion? No
<b>Health Hazards (<i>Acute and Chronic</i>):</b> Acute: Use of this material for construction purposes is believed not to have caused acute toxic effects. Chronic: Chronic exposure to respirable quartz-containing dust in excess of TLV's has caused silicosis, a progressive pneumoconiosis.		
Carcinogenicity		
NTP? No	IARC Monographs? No	OSHA Regulated? No
<b>Signs and Symptoms of Exposure:</b> Difficulty in breathing and/or shortness of breath and coughing.		
<b>Medical Conditions Generally Aggravated by Exposure:</b> Inhaling respirable dust may aggravate existing respiratory disorders. Exposure to dust may aggravate existing skin and/or eye conditions.		
<b>Emergency and First Aid Procedures:</b> INHALATION: Remove from exposure. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Consult a physician. EYE CONTACT: Immediately flush eyes with large quantities of water for at least 15 minutes. Consult a physician. SKIN CONTACT: Immediately wash skin thoroughly with soap and water.		

## Section VII – Precautions for Safe Handling

<b>Steps to be Taken in Case Material is Spilled or Released:</b> Clean up of spill may require personal protective equipment to prevent dust exposures and protect against irritation. See Section VIII.
<b>Waste Disposal Method:</b> If this material, as provided by the manufacturer, becomes a waste, it does not meet the criteria of a hazardous waste as defined by the Environmental Protection Agency under the authority of the Resource Conservation and Recovery Act (40 CFR 261). Dispose of in accordance with Federal, State and Local regulation.
<b>Precautions to be Taken in Handling and Storing:</b> Should be stored in a manner to prevent contact with strong acids. Avoid contact with eyes, skin, and clothing.

## Section VIII – Control Measures

<b>Respiratory Protection (<i>Specify Type</i>):</b> NIOSH/MSHA approved for protection against nuisance dust.		
Ventilation	Local Exhaust To maintain exposure below TLV/PEL	Special
	Mechanical ( <i>General</i> )	Other
<b>Protective Gloves:</b> Rubber, PVC, Neoprene, or other impervious material		<b>Eye Protection:</b> Safety glasses, goggles, or face shield when necessary to prevent eye contact
<b>Other Protective Clothing or Equipment:</b> Arm sleeves, when necessary to prevent skin contact. A dust mask or respirator is recommended. If airborne concentrations exceed TLV, a self-contained breathing apparatus is advised.		