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MATERIAL SAFETY DATA SHEET

NATURAL SAND & GRAVEL
September 2009

Section I – Manufacturer's Information

Manufacturer VCNA Prairie Aggregates, Inc. 7601 West 79 th Street Bridgeview Illinois 60455	General Phone Number (7-5 CST, M-F) (708) 458-0400
	Emergency Phone Number (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 ³ divided by (%quartz+3)
Silica (Quartz)	14808-60-7	>1	Respirable Dust = 10mg/m ³ divided by (%quartz+2) Respirable Crystalline Silica has an ACGIH TLV of 0.1mg/m ³

Section III – Physical Characteristics

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

Section IV – Fire and Explosion Hazard Data

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

Section V – Reactivity Data

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

Section VI – Health Hazard Data

Routes of Entry		
Inhalation? Yes	Skin? No	Ingestion? No
Health Hazards (<i>Acute and Chronic</i>): 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
Signs and Symptoms of Exposure: Difficulty in breathing and/or shortness of breath and coughing.		
Medical Conditions Generally Aggravated by Exposure: Inhaling respirable dust may aggravate existing respiratory disorders. Exposure to dust may aggravate existing skin and/or eye conditions.		
Emergency and First Aid Procedures: 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

Steps to be Taken in Case Material is Spilled or Released: Clean up of spill may require personal protective equipment to prevent dust exposures and protect against irritation. See Section VIII.
Waste Disposal Method: 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.
Precautions to be Taken in Handling and Storing: Should be stored in a manner to prevent contact with strong acids. Avoid contact with eyes, skin, and clothing.

Section VIII – Control Measures

Respiratory Protection (<i>Specify Type</i>): NIOSH/MSHA approved for protection against nuisance dust.		
Ventilation	Local Exhaust To maintain exposure below TLV/PEL	Special
	Mechanical (<i>General</i>)	Other
Protective Gloves: Rubber, PVC, Neoprene, or other impervious material		Eye Protection: Safety glasses, goggles, or face shield when necessary to prevent eye contact
Other Protective Clothing or Equipment: 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.		