

**Material Safety Data Sheet**

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  
 Occupational Safety and Health Administration  
 (Non-Mandatory Form)  
 Form Approved OMB No. 1218-0072

IDENTITY (As Used on label and list) <b>RENO NC 810</b>	<b>WHMIS CLASSIFICATION: D2A</b>
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**SECTION I**

Manufacture's Name: <b>RENO REFRACTORIES, INC</b>	Emergency Telephone Number: 205-647-0240
Address (Number, Street, City, State and Zip Code) 601 RENO DRIVE	Telephone Number for information: 205-647-0240
PO BOX 201	Date Prepared: 03/1/10
MORRIS, AL 35116	Signature of Preparer(optional)

**SECTION II - Hazardous Ingredients/Identity Information:**

Hazardous Components (Specific Chemical Identity: Common Name(s))	CAS #	ACGIH TLV	Carcinogen yes (IARC)	% (optional)
<u>Crystalline Silica</u>				<12%
Quartz	14808-60-7	.05 mg/M		
Cristobalite	14464-46-1	.05 mg/M		
Tridymite	15468-32-3	.05 mg/M		

Threshold Limit Value for respirable dust containing crystalline silica:

OSHA PEL: 10 divided by (% Quartz + 2(% Tridymite + Cristobalite) in terms of mg/m3

CALIFORNIA RESIDENTS: This product contains one or more chemicals known to the state of California to cause cancer, birth defects, or other Reproductive harm.

**SECTION III- Physical/Chemical Characteristics:**

Boiling Point	N/A	Specific Gravity (H <sub>0</sub> -1)	2.53
Vapor Pressure (mm Hg.)	N/A	Melting Point	3,200 ° F
Vapor Density (AIR-1)	N/A	Evaporation Rate (Butyl Acetate- 1)	N/A

Solubility in Water: **LOW**

Appearance and Odor: **DRY, GREY, GRANULAR WITH SLIGHT ACRID, EARTHY ODOR.**

**Section IV - Fire and Explosion Hazard Data**

Flash Point (Method Used) : N/A	Flammable Limits: N/A	LEL N/A	UEL N/A
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Extinguishing Media: **IGNITION UNLIKELY – ANY MEDIA**

Special Fire Fighting Procedures: N/A

Unusual Fire and Explosion Hazards: N/A

PIN # 187000 **RENO NC 810**

Section V - Reactivity Data

Stability	Unstable		Conditions to Avoid
	Stable	X	

Incompatibility: (Materials to Avoid) N/A

Hazardous Decomposition or Byproducts: N/A

Hazardous Polymerization	May Occur		Conditions to Avoid
	Will Not Occur	X	

Section VI - Health Hazard Data:

Route(s) of Entry:	Inhalation? DUST	Skin? NO	Ingestion? DUST
Health Hazard: (Acute and Chronic)	SEE BELOW	ACUTE: NUISANCE DUSTS	
Carcinogenicity:	NTP? NO	IARC Monographs? YES	OSHA Regulated? NO

Signs and Symptoms of Exposure: Chronic overexposure to dust containing *respirable* sized crystalline silica can cause delayed lung injury (silicosis). Inhalation of dust containing crystalline silica may contribute to pre-existing pulmonary diseases such as asthma and lung disorders associated with smoking. IARC studies have shown sufficient evidence from animal studies to categorize crystalline silica as a group 1 carcinogen.

Medical Conditions

Generally Aggravated by Exposure: ANY PRE-EXISTING CONDITIONS OF THE LUNGS. AVOID CONTACT WITH EYES.

Emergency and First Aid Procedures: IN CASE OF CONTACT, IMMEDIATELY FLUSH REPEATEDLY WITH WATER. CONSULT A PHYSICIAN IF IRRITATION PERSISTS.

Section VII - Precautions for Safe Handling and Use:

Steps to be taken in Case Material is Released or Spilled: CLEAN UP WITH BROOM AND/ OR SHOVEL. AVOID BREATHING DUST.

Waste Disposal Method: APPROVED LANDFILL.

Precautions to be Taken in Handling and Storing: STORE IN A COOL, DRY LOCATION.

Other Precautions:

Section VIII - Control Measures:

Respiratory Protection: (Specify Type) NIOSH APPROVED DUST RESPIRATOR IF WORKING IN DUSTY CONDITIONS.

Ventilation	Local Exhaust TO CONTROL DUST	Special N/A
	Mechanical (General) N/A	Other N/A

Protective Gloves: REGULAR GLOVES	Eye Protection: SAFETY GLASSES
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Other Protective Clothing or Equipment: N/A

Work/Hygienic Practices: N/A