

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) RENO NC BlakCast	WHMIS CLASSIFICATION: D2A
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SECTION I

Manufacture's Name: RENO REFRACTORIES, INC	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: 03/1/11
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	% (optional)
Crystalline Silica			yes (IARC)	<15%
Quartz	14808-60-7	.05 mg/M		
Cristobalite	14464-46-1	.05 mg/M		
Tridymite	15468-32-3	.05 mg/M		
Graphite	7782-42-5	2.0 mg/m3	yes	<1%

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 (H0-1)	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

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 V1 - 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 I 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 V11 - 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 V111 - 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