PIN 278400 RENO ROCK BTW - C

RENO REFRACTORIES

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 ROCK BTW - C	WHMIS CLASSIFICATION: D2A.
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SECTION I

Manufacture's Name: RENO REFRACTORIES	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: 1/05/06	
MORRIS, AL 35116	Signature of Preparer (optional)	

SECTION II - Hazardous Ingredients/Identity Information:

Hazardous Components (Specific Chemical Identity: Common Name(s)	CAS #	ACGIH TLV	Carcinoma	% (optional)
Crystalline Silica			yes (IARC)	<18%
Quartz	14808-60-7	.05 mg/M		
Cristobalite	14464-46-1	.05 mg/M		
Tridymite	15468-32-3	.05 mg/M		
Phenolic Resin	9003-35-4	0.45 mg/m^3		<5%
Phenol (max 5% of the resin)	108-95-2	5 ppm		<1%
Pitch	68187 -58-6		yes	<2%

Threshold Limit Value for respirable dust containing crystalline silica:

OSHA PEL: 10 divided by (% Quartz + 2(% Tridymite + Crystobalite) 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 (RESIN)	220F	Specific Gravity (H ₂ 0-1)	2.7 -2.9
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: LOW

Appearance and Odor: DARK, GRANULAR MATERIAL WITH A SLIGHT ODOR.

Section IV - Fire and Explosion Hazard Data:

Flash Point (Method Used)	Flammable Limits N/A	LEL N/A	UEL N/A
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Extinguishing Media: IGNITION UNLIKELY. DRY CHEMICALS, WATER OR CARBON DIOXIDE.

Special Fire Fighting Procedures: Keep fire exposed containers cool. Use self-contained breathing apparatus and impervious suit and gloves.

Unusual Fire and Explosion Hazards: N/A

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Section V - Reactivity Data

Stability	Unstable		Conditions to Avoid
	Stable	X	

Incompatibility: (Materials to Avoid) NONE

Hazardous Decomposition or Byproducts: WITH HEATING, ORGANIC VAPORS FROM RESIN BINDER.

Hazardous	May Occur		Conditions to Avoid
Polymerization	Will Not Occur	X	

Section VI - Health Hazard Data:

Route(s) of Entry: Inhalation? YES Skin? YES Ingestion?

Health Hazard: (Acute and Chronic) SEE BELOW

Carcinogenicity: NTP? IARC Monographs? OSHA Regulated?

YES

Signs and Symptoms of Exposure: Chronic overexposure to dust containing <u>respirable</u> 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. May cause irritation to

respiratory passages, skin and eyes.

Fumes can cause skin and mucous membrane irritation.

Medical Conditions

Generally Aggravated by Exposure: Any pre-existing lung disorder.

Emergency and First Aid Procedures: Eyes: flush with warm water for 15 minutes.

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 COOL, DRY LOCATION.

Other Precautions: TO MINIMIZE VAPORS, DO NOT INSTALL IF AMBIENT TEMPERATURES EXCEED 180F

Section VIII - Control Measures:

Respiratory Protection: (Specify Type) NIOSH APPROVED ORGANIC VAPOR, FUME AND DUST PROTECTION

Ventilation	Local Exhaust TO CONTROL DUST AND FUME LEVELS. Mechanical (General)		Special N/A
			Other N/A
Protective Gloves: IMPERMEABLE CHEMICAL-RESISTANT		Eye Protect RESPIRAT	ion: CHEMICAL GOGGLES OR FULL FACE OR

Other Protective Clothing or Equipment: Long Sleeve shirts are recommended.

Work/Hygienic Practices: N/A

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