

MATERIAL SAFETY DATA SHEET

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Identification

Product Name: Pumice - Niranium
Product Number: 809159, 809161
Chemical Family: Silica & Aluminum Oxide mixture
CAS Number: Blend

Company Identification

Niranium Co., Div. of CMP Industries LLC
413 North Pearl St
Albany, NY 12207-1311 USA
(518)-434-3147 (For product information)
(800)-424-9300 (For emergencies)
1-800-424-9300 or 1-202-483-7616 (CHEMTREC)

2. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Chemical Name</u>	<u>Amount</u>	<u>CAS Number</u>
QUARTZ (SiO ₂)	60.0 - 80.0 %	14808-60-7
PUMICE	40-20	1332-09-8

(See Section 8 for exposure guidelines)

(See Section 15 for regulatory information)

HAZARDS DISCLOSURE

This product contains hazardous materials as defined by the OSHA Hazard Communication Standard 29 CFR 1910.1200.

As defined under Sara 311 and 312, this product contains materials that are acute hazards.



3. HAZARDS IDENTIFICATION

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***** EMERGENCY OVERVIEW *****
*
* CAUTION
*
* extreme exposure may cause congestion.
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*****
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NFPA Rating - Health:
Flammability:
Reactivity:
Special Hazard: N/A

POTENTIAL HEALTH EFFECTS

EYE:
Causes eye irritation.

SKIN:
May cause skin irritation.

INHALATION:
Dust may be slightly irritating to respiratory tract.

INGESTION:
Ingestion is not considered a potential route of exposure.

REPRODUCTIVE HAZARDS:
None.

CARCINOGENICITY INFORMATION:
Crystalline Silica is classified as a carcinogen by IARC.

MEDICAL CONDITIONS AGRAVATED BY EXPOSURE:
Pre-existing upper respiratory and lung disease such as, but not limited to Bronchitis, Emphysema and Asthma. Inhalation of high levels of nuisance dust over long periods of time may make lungs more vulnerable to respiratory disease.

4. FIRST AID MEASURES

EYE CONTACT FIRST AID:
Flush eye with water for 15 minutes.



(section 4 continued)

SKIN CONTACT FIRST AID:

Wash skin with soap and plenty of water.

INHALATION FIRST AID:

If breathing is difficult, remove to fresh air and provide oxygen. Seek medical attention.

INGESTION FIRST AID:

Ingestion is not considered a potential route of exposure.

5. FIRE FIGHTING MEASURES

FLAMMABLE PROPERTIES

COC Flash Point: N/A

Autoignition Temperature: N/A

FLAMMABLE LIMITS IN AIR

LEL: N/A

UEL: N/A

FLAMMABLE PROPERTIES:

Not Flammable under normal conditions.

EXTINGUISHING MEDIA:

None.

FIRE FIGHTING INSTRUCTIONS:

Avoid breathing smoke, fumes, and decomposition products. As in any fire, wear self-contained breathing apparatus pressure-demand MSHA/NIOSH (approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

SAFEGUARDS (PERSONNEL):

Wear appropriate personal protective equipment.

LARGE SPILLS PROCEDURE:

Contain spilled material.

7. HANDLING AND STORAGE

HANDLING (PERSONNEL):

Use care in handling/storage. Wash hands after handling.



(section 7 continued)

HANDLING (PHYSICAL ASPECTS):

Store in a cool dry area.

STORAGE PRECAUTIONS:

Store in a cool dry place.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

ENGINEERING CONTROLS:

If user operations generate dust, fume, or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

EYE / FACE PROTECTION REQUIREMENTS:

Chemical goggles are recommended to avoid contact with eyes.

SKIN PROTECTION REQUIREMENTS:

Wear protective gloves to minimize skin contamination. Wash hands thoroughly after handling.

RESPIRATORY PROTECTION REQUIREMENTS:

Atmospheric levels should be maintained below the exposure guideline.

EXPOSURE GUIDELINES:

QUARTZ (SiO₂)

OSHA PEL: 2.5 mg/m³

OSHA TWA: .1 mg/m³

PUMICE

OSHA PEL: 15 mg/m³

OSHA TWA: 10 mg/m³

9. PHYSICAL AND CHEMICAL PROPERTIES

FORM: Powder
COLOR: Varies
ODOR: None
SPECIFIC GRAVITY ...: 2.35 (Water = 1)

10. STABILITY AND REACTIVITY

STABILITY:

Stable.

POLYMERIZATION:



(section 10 continued)

Product will not undergo polymerization.

INCOMPATIBILITY WITH OTHER MATERIALS:

Hydroflouric Acid.

CONDITIONS TO AVOID:

May react with with hydroflouric acid to form toxic silicon tetraflouride gas.

11. TOXICOLOGICAL INFORMATION

CHRONIC EFFECTS /:

May cause respiratory disease.

QUARTZ (SIO2)

Test Code: TCLO

Species: Human

Results: 6 mppcf/17.9 yrs. produces pulmonary fibrosis, cough and difficult breathing.

Test Code: LCLO

Species: Human

Results: 300 micrograms/m³/10 yr effects the liver.

12. ECOLOGICAL INFORMATION

MISCELLANEOUS:

Vacuum clean spillage. If sweeping is necessary use a dust supressant.

13. DISPOSAL CONSIDERATIONS

WASTE DISPOSAL:

Treat or dispose of waste material in accordance with all local, state/provincial, and national requirements.

14. TRANSPORTATION INFORMATION

PRODUCT LABEL: Pumice - Niranium
D.O.T. SHIPPING NAME: N/A
TECHNICAL SHIPPING NAME ...: N/A
D.O.T. HAZARD CLASS: N/A
UN NUMBER: N/A



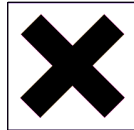
15. REGULATORY INFORMATION

REGULATORY LISTS SEARCHED:

01 = SARA 313	02 = CA Proposition 65
03 = SARA 302/304	04 = CERCLA 302.4
05 = ACGIH TWA	06 = ACGIH STEL
07 = ACGIH CALC TLV	08 = OSHA PEL
09 = CANADIAN WHMIS	10 = OSHA Ceiling

EEC Symbols and Indications of Danger:

Irritant (Xi)



R-Phrases:

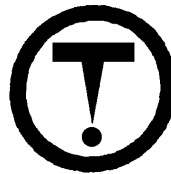
R36/38 - Irritating to eyes and skin.

S-Phrases:

S24/25 - Avoid contact with skin and eyes.

WHMIS Hazard Symbols:

Class D2 - Materials Causing Other Toxic Effects



Canadian Disclosure List

QUARTZ (SIO2) (14808-60-7)

SARA Title III - Section 313

QUARTZ (SIO2) (14808-60-7) --

16. OTHER INFORMATION

PREPARED BY: Regina Lane
APPROVED BY: Abdul Khan
TITLE: Q. C. Manager
APPROVAL DATE: May 31, 2002
SUPERCEDES DATE ...: September 16, 1999
MSDS NUMBER: 448
RTN NUMBER: 00000008 (Official Copy)



(section 16 continued)

ABBREVIATIONS USED IN THIS MSDS:

TLV - THRESHOLD LIMIT VALUE	TWA - Time Weighted Average
STEL - SHORT TERM EXPOSURE LIMIT	TPQ - Threshold Planning Quantity
RQ - REPORTABLE QUANTITY	PEL - Permissible Exposure Limit
C - CEILING LIMIT	CAS - Chemical Abstract Service Number
NDA - NO DATA AVAILABLE	N/A - Not Applicable or Not Available

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END OF MSDS

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