

SAFETY DATA SHEET

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Identification

Product Name: Four Seasons Investment Powder
Product Number: 805004
Chemical Name: Silicon Dioxide
Chemical Family: Silica Sand
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. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW:

WARNING: May cause eye irritation. Inhalation of dust may cause mucous membrane and respiratory irritation. Prolonged over exposure to respirable crystalline silica may cause lung disease (silicosis) and increase the risk of lung cancer. Risk of cancer depends on duration and level of exposure.

GHS Classification:

Specific target organ toxicity-repeated exposure Category 2
Serious eye damage/eye irritation Category 2A

GHS Hazard Symbols:

Irritant, Health Hazard



GHS Hazard Statements:

H319 - Causes serious eye irritation.
H373-May cause damage to organs through prolonged or repeated exposure.

GHS Precautionary Statements:

P260 - Do not breathe dust/fume/gas/mist/vapors/spray.
P280 - Wear protective gloves/protective clothing/eye protection/face protection.



EYE:

Can cause severe eye irritation.

SKIN:

May cause skin irritation.

INHALATION:

Causes respiratory tract irritation.

INGESTION:

Ingestion is not considered a potential route of exposure.

SIGNS AND SYMPTOMS OF EXPOSURE:

Dyspnea may develop (scars on the lungs) from the Silica dust. Chest pains, decrease in lung capacity and cough.

CHRONIC EFFECTS:

Chronic lung scarring leads to massive fibrosis that is often accompanied by increased susceptibility to the risk of impaired health due to a combination of smoking & Silica dust.

REPRODUCTIVE HAZARDS:

None.

CARCINOGENICITY INFORMATION:

Crystalline silica quartz is listed as 'Carcinogenic to Humans' Group 1 by IARC and 'Known to be a Human Carcinogen' by NTP.

3. COMPOSITION/INFORMATION ON INGREDIENTS

COMPONENT LISTING:

Chemical Name	Amount	CAS Number
MAGNESIUM OXIDE	7.0 %	1309-48-4
CRYSTALLINE QUARTZ, DUST	83.0 %	14808-60-7

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, chronic hazards.

4. FIRST AID MEASURES

EYE CONTACT FIRST AID:

Flush eye with water for 15 minutes, holding the eyelids apart. Get immediate medical attention.

SKIN CONTACT FIRST AID:

Wash skin with soap and water. Get medical if irritation develops.

INHALATION FIRST AID:

If inhaled, remove to fresh air. If breathing is difficult, have qualified personnel administer oxygen. Contact a physician.



INGESTION FIRST AID:

Do not induce vomiting. Get immediate medical attention.

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:

Non-flammable.

FIRE & EXPLOSION HAZARDS:

None.

FIRE FIGHTING INSTRUCTIONS:

None.

COMBUSTION PRODUCTS:

None.

6. ACCIDENTAL RELEASE MEASURES

LARGE SPILLS PROCEDURE:

Clean up with dustless method (vacuum or wet sweeping) and provide ventilation.

Wear respirator and protective clothing as appropriate. Shut off source of leak. Dike & contain.

SMALL SPILLS PROCEDURE:

Same as large spill.

7. HANDLING AND STORAGE

HANDLING (PHYSICAL ASPECTS):

Practice good housekeeping to keep exposure levels down.

STORAGE PRECAUTIONS:

Store in a dry place.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION



EYE / FACE PROTECTION REQUIREMENTS:

Use safety glasses and splash goggles.

SKIN PROTECTION REQUIREMENTS:

Use gloves.

RESPIRATORY PROTECTION REQUIREMENTS:

Use NIOSH respirator when exposure limits are exceeded.

MISCELLANEOUS:

Use local ventilation.

EXPOSURE GUIDELINES:

MAGNESIUM OXIDE

OSHA PEL: 15 mg/m³

ACGIH TWA: 10 mg/m³

CRYSTALLINE QUARTZ, DUST

Recommended Exposure Limit: 0.05 mg/m³

OSHA PEL: 10 /% SiO₂ +2 TWA (respirable dust) mg/m³

OSHA TWA: 30 /% SiO₂ +2 TWA (total dust) mg/m³

ACGIH TWA: 0.025 mg/m³

9. PHYSICAL AND CHEMICAL PROPERTIES

FORM:	Granular Particles
ODOR:	No odor
BOILING POINT:	4000 F
SPECIFIC GRAVITY:	2.65 (Water = 1)

10. STABILITY AND REACTIVITY

STABILITY:

Stable.

POLYMERIZATION:

Product will not undergo polymerization.

INCOMPATIBILITY WITH OTHER MATERIALS:

Avoid any species that is endothermic. Will easily dissolve in hydrofluoric acid. May be attacked by strong alkali's.

CONDITIONS TO AVOID:

Quartz when exposed to high temperatures may change crystalline structure to form tridymite (above 870°C) or cristobalite (above 1570°C) which have greater health hazards than quartz.

11. TOXICOLOGICAL INFORMATION

EYE EFFECTS:

Contact may cause mechanical irritation and possible injury.



SKIN EFFECTS:

No adverse effects are expected.

ACUTE ORAL EFFECTS:

No adverse effects expected for normal, incidental ingestion. Large amounts may cause gastrointestinal irritation.

ACUTE INHALATION EFFECTS:

Inhalation of dust may cause irritation to the nose, throat and upper respiratory tract with coughing and shortness of breath.

CHRONIC EFFECTS /:

Excessive inhalation of respirable crystalline silica dust may cause a progressive, disabling and sometimes fatal lung disease call silicosis.

Symptoms include cough, shortness of breath, wheezing, non-specific chest illness and reduced pulmonary function.

MAGNESIUM OXIDE

Test Code: TCLO
Species: Human
Results: 400 mg/kg

CRYSTALLINE QUARTZ, DUST

Test Code: Oral LD50
Description: >22,500 mg/kg
Species: Rat

QUARTZ (SIO2)

Test Code: LCLO
Species: Human
Results: 300 micrograms/m³/10 yr affects the liver.

12. ECOLOGICAL INFORMATION

CRYSTALLINE QUARTZ, DUST

Test Code: LC50
Description: 72 hr
Species: Carp
Results: >10,000 mg/L

13. DISPOSAL CONSIDERATIONS

WASTE DISPOSAL:

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

14. TRANSPORT INFORMATION

PRODUCT LABEL:

Four Seasons Investment Powder



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
10 = OSHA CEILING	

EEC Symbols and Indications of Danger:

Harmful (Xn), Irritant (Xi)



R-Phrases:

R36/38 - Irritating to eyes and skin.
R37 - Irritating to respiratory system.
R20 - Harmful by inhalation.

S-Phrases:

S3/9 - Keep in a cool, well-ventilated place.

Canadian Disclosure List

MAGNESIUM OXIDE (1309-48-4)
CRYSTALLINE QUARTZ, DUST (14808-60-7)

SARA Title III - Section 313

Four Seasons Investment Powder (BLEND) --
CRYSTALLINE QUARTZ, DUST (14808-60-7) --

CA Proposition 65

CRYSTALLINE QUARTZ, DUST (14808-60-7)

16. OTHER INFORMATION

REASON FOR ISSUE:	Add current date to MSDS
PREPARED BY:	John Nicpon
APPROVED BY:	John Nicpon
TITLE:	Quality Manager
APPROVAL DATE:	March 9, 2018
SUPERCEDES DATE:	February 25, 2015
RTN NUMBER:	00000052 (Official Copy)



ABBREVIATIONS USED IN THIS MSDS:

TLV - THRESHOLD LIMIT VALUE
STEL - SHORT TERM EXPOSURE LIMIT
RQ - REPORTABLE QUANTITY
C - CEILING LIMIT
NDA - NO DATA AVAILABLE

TWA - Time Weighted Average
TPQ - Threshold Planning Quantity
PEL - Permissible Exposure Limit
CAS - Chemical Abstract Service Number
N/A - Not Applicable or Not Available

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END OF SAFETY DATA SHEET

