

SAFETY DATA SHEET

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Identification

Product Name: Yellow Stripe Investment Regular
Product Number: 2042, 2002
Chemical Name: Silicon Dioxide
Chemical Family: Silica Sand
CAS Number: Blend

Company Identification

Nobilium - 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 overexposure 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:

Causes 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:

Undue breathlessness, cough, sputum production. Dyspnea - caused by many lung scars that develop from silica dust - chest pain, decrease in vital capacity and cough.

CHRONIC EFFECTS:

Repeated and prolonged exposure may lead to delayed injury to the lungs (Silicosis).

CARCINOGENICITY INFORMATION:

Crystalline Quartz (Silica) is listed by IARC as a carcinogen.

TARGET ORGAN:

May cause breathing disorders and lung damage.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE:

Individuals with impaired pulmonary function should not be subjected to excessive airborne concentrations.

MISCELLANEOUS:

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

3. COMPOSITION/INFORMATION ON INGREDIENTS

COMPONENT LISTING:

Chemical Name	Amount	CAS Number
SILICA, CRYSTALLINE QUARTZ	98.0 %	14808-60-7
MAGNESIUM OXIDE	2.0 %	1309-48-4

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.

MISCELLANEOUS:

This product contains the following substances known to the State of California to cause cancer: Silica, Crystalline Quartz <99%.

4. FIRST AID MEASURES

EYE CONTACT FIRST AID:



In case of contact, immediately flush eyes with plenty of water, lifting upper and lower eyelids apart for at least 15 minutes. Get medical attention if irritation develops and persists.

SKIN CONTACT FIRST AID:

No first aid is generally required. Wash skin with soap and water.

INHALATION FIRST AID:

If breathing is difficult, remove to fresh air and provide oxygen by qualified personnel. Get medical attention immediately.

INGESTION FIRST AID:

If swallowed, immediately give 2 glasses of water. Get medical attention. Never give anything by mouth to an unconscious person.

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.

EXTINGUISHING MEDIA:

Use extinguishing media appropriate for surrounding fire.

FIRE & EXPLOSION HAZARDS:

None.

FIRE FIGHTING INSTRUCTIONS:

Firefighters should wear full emergency equipment and NIOSH approved positive pressure self-contained breathing apparatus in fires involving chemicals.

COMBUSTION PRODUCTS:

None.

6. ACCIDENTAL RELEASE MEASURES

SAFEGUARDS (PERSONNEL):

Wear appropriate personal protective equipment.

LARGE SPILLS PROCEDURE:

Wear appropriate protective clothing and wear respirator. Collect using dustless method (HEPA vacuum or wet method) and place in appropriate container for use. Do not use compressed air. Report releases as required by local, state and federal authorities.

SMALL SPILLS PROCEDURE:



Same as large spills.

7. HANDLING AND STORAGE

HANDLING (PERSONNEL):

Avoid contact with eyes. Do not breathe dust. Wear protective equipment as described in Section 8. Use with adequate ventilation and proper dust collection methods to keep exposure level below occupational exposure limits. Wash thoroughly with soap and water after handling.

HANDLING (PHYSICAL ASPECTS):

Store in a dry and well ventilated place away from incompatible materials. Protect from physical damage.

STORAGE PRECAUTIONS:

Keep container closed when not in use.

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/safety glasses are recommended to avoid contact with eyes.

SKIN PROTECTION REQUIREMENTS:

Wear impervious gloves to minimize skin contamination.

RESPIRATORY PROTECTION REQUIREMENTS:

When there is potential for airborne exposures in excess of applicable limits, wear NIOSH/MSHA approved respiratory protection. Selection and use of respiratory equipment must be in accordance with OSHA 1910.134 or other applicable regulations and good industrial hygiene practice.

EXPOSURE GUIDELINES:

SILICA, CRYSTALLINE QUARTZ

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

MAGNESIUM OXIDE

OSHA PEL: 15 mg/m³

ACGIH TWA: 10 mg/m³

9. PHYSICAL AND CHEMICAL PROPERTIES

FORM:	Powder
COLOR:	off White or Pink
ODOR:	None
BOILING POINT:	4000 F
SOLUBILITY IN WATER:	Insoluble



SPECIFIC GRAVITY: 2.7 (Water = 1)

10. STABILITY AND REACTIVITY

STABILITY:

Stable.

POLYMERIZATION:

Product will not undergo polymerization.

INCOMPATIBILITY WITH OTHER MATERIALS:

Reacts with Hydrofluoric acid to generate volatile, corrosive gas. May be attacked by strong alkalies. Contact with powerful oxidizing agents may cause fires.

CONDITIONS TO AVOID:

When exposed to high temperatures may change crystalline structure to form tridymite (above 870°C) or cristobalite (above 1470°C).

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 /:

May cause respiratory disease.

SILICA, CRYSTALLINE QUARTZ

Test Code: Oral LD50

Species: Rat

Results: >22,500 mg/kg

MAGNESIUM OXIDE

Test Code: TCLO

Species: Human

Results: 400 mg/kg

QUARTZ (SIO₂)

Test Code: LCLO

Species: Human

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



12. ECOLOGICAL INFORMATION

MISCELLANEOUS:

Dike and contain spill with absorbent material such as clay or commercial absorbent.

SILICA, CRYSTALLINE QUARTZ

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:	Yellow Stripe Investment Regular
D.O.T. SHIPPING NAME:	N/A
TECHNICAL SHIPPING NAME:	N/A
D.O.T. HAZARD CLASS:	Non-Flammable Solid
UN NUMBER:	N/A

15. REGULATORY INFORMATION

REGULATORY LISTS SEARCHED:

01 = SARA 313

03 = SARA 302/304

05 = ACGIH TWA

07 = ACGIH CALC TLV

10 = OSHA CEILING

02 = CA Proposition 65

04 = CERCLA 302.4

06 = ACGIH STEL

08 = OSHA PEL

EEC Symbols and Indications of Danger:

Harmful (Xn), Irritant (Xi)



R-Phrases:

R36/37 - Irritating to eyes and respiratory system.

R48/20 - Harmful: Danger of serious damage to health by prolonged exposure through inhalation.

S-Phrases:

S22 - Do not breathe dust.



S38 - In case of insufficient ventilation, wear suitable respiratory equipment.

Canadian Disclosure List

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

SARA Title III - Section 313

SILICA, CRYSTALLINE QUARTZ (14808-60-7) --

CA Proposition 65

SILICA, CRYSTALLINE QUARTZ (14808-60-7)

16. OTHER INFORMATION

PREPARED BY:	John Nicpon
APPROVED BY:	John Nicpon
TITLE:	Quality Manager
APPROVAL DATE:	March 9, 2018
SUPERCEDES DATE:	March 8, 2018
RTN NUMBER:	00000215 (Official Copy)

HMIS Rating:

Health - 0
Flammability - 0
Reactivity - 0

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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