

MATERIAL SAFETY DATA SHEET

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Identification

Product Name: liquid Paint-On Investment
(Green) Nob.
Product Number: 6004
Chemical Family: Flint Quartz
CAS Number: Blend

Company Identification

Nobilium 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>
ZIRCON	30.0 %	14940-68-2
CRYSTALLINE QUARTZ, DUST	30.0 %	14808-60-7

(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, chronic hazards.



3. HAZARDS IDENTIFICATION

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***** EMERGENCY OVERVIEW *****
*
*                               WARNING
*
* Overexposure may lead to Pulmonary injury.
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POTENTIAL HEALTH EFFECTS

EYE:

May cause slight irritation.

SKIN:

May cause skin irritation. May cause allergic skin reaction.

INHALATION:

May cause irritation of the upper respiratory passages.

INGESTION:

Ingestion is not considered a potential route of exposure.

SIGNS AND SYMPTOMS OF EXPOSURE:

Symptoms of overexposure are undue breathlessness, wheezing, cough and sputum production.

CHRONIC EFFECTS:

Overexposure or repeated by inhalation of the dust may lead to fibrosis of the lung and may affect other areas of the pulmonary system. This will increase an individuals susceptibility to pulmonary tuberculosis. Progressive mass fibrosis may be accompanied by right heart enlargement, heart failure & pulmonary failure. Smoking aggravates the effects of exposure.

REPRODUCTIVE HAZARDS:

None.

CARCINOGENICITY INFORMATION:

Listed by IARC and NTP as a carcinogen.



(section 3 continued)

MEDICAL CONDITIONS AGRAVATED BY EXPOSURE:

Pulmonary function may be reduced by inhalation of respirable crystalline silica. Also lung scarring produced by such inhalation may lead to progressive massive fibrosis of the lung which may aggravate other pulmonary conditions & diseases & which inceases susceptibility to pulmonary tuberculosis. Progressive massive fibrosis may be accompanied by right heart enlargement, heart failure and pulmonary failure. smoking aggravates the effects of exposure.

4. FIRST AID MEASURES

EYE CONTACT FIRST AID:

Flush eye with water for 15 minutes. Contact a physician if irritation persists.

SKIN CONTACT FIRST AID:

Wash skin with soap and water.

INHALATION FIRST AID:

Remove to fresh air. If not breathing, give artificial respiration or give oxygen by trained personnel.

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:

Non-flammable.

FIRE & EXPLOSION HAZARDS:

No known unusual hazards in a fire/explosion situation.



(section 5 continued)

FIRE FIGHTING INSTRUCTIONS:

None.

6. ACCIDENTAL RELEASE MEASURES

LARGE SPILLS PROCEDURE:

Flush with water, mop and absorb spill.

SMALL SPILLS PROCEDURE:

Same as large spill.

7. HANDLING AND STORAGE

HANDLING (PERSONNEL):

Avoid breakage of bagged material or spills or bulk material. Practice good housekeeping.

HANDLING (PHYSICAL ASPECTS):

Do not permit dust to collect on walls, floors, sills, ledges, machinery or equipment.

STORAGE PRECAUTIONS:

Store in a dry area.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

EYE / FACE PROTECTION REQUIREMENTS:

Chemical goggles are recommended to avoid contact with eyes.

SKIN PROTECTION REQUIREMENTS:

Wear protective gloves to minimize skin contamination.

RESPIRATORY PROTECTION REQUIREMENTS:

Wear NIOSH/MSHA approved respiratory protection.

EXPOSURE GUIDELINES:

ZIRCON

OSHA TWA: 5 mg/m³

CRYSTALLINE QUARTZ, DUST

OSHA PEL: .1 mg/m³

OSHA TWA: .1 mg/m³



9. PHYSICAL AND CHEMICAL PROPERTIES

FORM: Paste
COLOR: Green
ODOR: Little
BOILING POINT: 4020 F
SOLUBILITY IN WATER ...: Insoluble
SPECIFIC GRAVITY: 2.92 (Water = 1)

10. STABILITY AND REACTIVITY

STABILITY:

Stable.

POLYMERIZATION:

Product will not undergo polymerization.

INCOMPATIBILITY WITH OTHER MATERIALS:

Avoid powerful oxidizing agents.

DECOMPOSITION:

Silica will dissolve in hydrochloric acid and produce a corrosive gas.

11. TOXICOLOGICAL INFORMATION

ACUTE INHALATION EFFECTS:

Inhalation of Zircon (quartz) or intratracheal instillation produced pulmonary fibrosis, inflammation, edema and emphysema.

ZIRCON

Test Code: Inhalation Study
Species: Rat
Results: 12.4 or 51.6 mg/m³ of quartz produced lung tumors.

CRYSTALLINE QUARTZ, DUST

Test Code: TCLO
Species: Human
Results: 6 mppcf/17.9 yrs. produces pulmonary fibrosis, cough and difficult breathing.

QUARTZ (SiO₂)

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



12. ECOLOGICAL INFORMATION

No information available.

13. DISPOSAL CONSIDERATIONS

WASTE DISPOSAL:

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

14. TRANSPORTATION INFORMATION

PRODUCT LABEL: liquid Paint-On Investment (Green) Nob.
D.O.T. SHIPPING NAME: N/A
TECHNICAL SHIPPING NAME ...: N/A
D.O.T. HAZARD CLASS: N/A
UN NUMBER: N/A

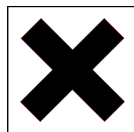
15. REGULATORY INFORMATION

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)

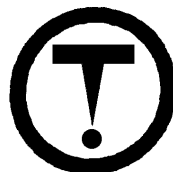


R-Phrases:

R37 - Irritating to respiratory system.

WHMIS Hazard Symbols:

Class D2 - Materials Causing Other Toxic Effects



(section 15 continued)

Canadian Disclosure List

ZIRCON (14940-68-2)
CRYSTALLINE QUARTZ, DUST (14808-60-7)

SARA Title III - Section 313

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

16. OTHER INFORMATION

REASON FOR ISSUE ...: Add current date to MSDS
PREPARED BY: Phyll Tabone
APPROVED BY: John Nicpon
TITLE: Quality Manager
APPROVAL DATE: June 14, 2006
SUPERCEDES DATE: March 7, 2006
MSDS NUMBER: 425
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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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