

# SAFETY DATA SHEET

## 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

### Product Identification

Product Name: Green Paint-On Liquid  
Product Number: 6004  
Chemical Family: Flint Quartz  
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: US Classification: Hazardous.

### **GHS Classification:**

Serious eye damage/eye irritation Category 2A  
Skin Corrosion/Irritation - Category 2  
Target Organ Systemic Toxicity - Repeated Exposure, Category 1  
Target Organ Systemic Toxicity-Single Exposure Category 3

### **GHS Hazard Symbols:**

Irritant, Health Hazard



### **GHS Hazard Statements:**

H315 - Causes skin irritation.  
H319 - Causes serious eye irritation.  
H335 - May cause respiratory irritation.  
H372.1 Causes damage to lungs 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.  
P332/313 - If skin irritation occurs: Get medical advice/attention.  
P337/313 - If eye irritation persists: Get medical advice/attention.

**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:**

Excessive inhalation of respirable crystalline may cause a progressive, disabling and sometimes fatal lung disease called silicosis. Symptoms include cough, shortness of breath, wheezing, non-specific chest illness and reduced pulmonary function. Prolonged over exposure may cause dermatitis.

**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.

**MEDICAL CONDITIONS AGRAVATED BY EXPOSURE:**

Individuals with pre-existing skin and respiratory disorders may be at increased risk from exposure.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

**COMPONENT LISTING:**

Chemical Name	Amount	CAS Number
ZIRCON	30.0 %	14940-68-2
CRYSTALLINE QUARTZ, DUST	30.0 %	14808-60-7
SODIUM SILICATE	30.0 %	1344-09-8
GLYCERIN	< 1.0 %	56-81-5

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, while holding the eyelids apart. Contact a physician if irritation develops or persists.



**SKIN CONTACT FIRST AID:**

Flush skin with water for 15 minutes. Get medical attention if irritation develops.

**INHALATION FIRST AID:**

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

**INGESTION FIRST AID:**

If swallowed, do NOT induce vomiting. If conscious give 8 ounces of water to dilute. Never give anything by mouth to an unconscious or convulsing person. Get immediate medical attention.

**STATEMENT OF PRACTICAL TREATMENT:**

Treat symptomatically. Immediate medical attention is required if inhaled or if swallowed.

## 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.

**FIRE FIGHTING INSTRUCTIONS:**

None.

## 6. ACCIDENTAL RELEASE MEASURES

**SAFEGUARDS (PERSONNEL):**

Avoid breathing vapor. Protect skin and eyes from exposure.

**INITIAL CONTAINMENT:**

Avoid contact with skin, eyes or clothing.

**LARGE SPILLS PROCEDURE:**

Flush with water, mop and absorb spill.

Prevent spill from entering sewers and water courses. Report releases as required by local and national authorities.

**SMALL SPILLS PROCEDURE:**



Same as large spill.

## 7. HANDLING AND STORAGE

### HANDLING (PERSONNEL):

Avoid contact with eyes, skin and clothing. Avoid breathing vapors. Wear protective clothing and equipment as described in Section 8. Use only with adequate ventilation. Wash thoroughly with soap and water after handling. Keep container closed when not in use.

### 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 PEL: 5 mg/m<sup>3</sup>

OSHA TWA: 5 mg/m<sup>3</sup>

ACGIH TWA: 5 mg/m<sup>3</sup>

#### CRYSTALLINE QUARTZ, DUST

Recommended Exposure Limit: 0.05 mg/m<sup>3</sup>

OSHA PEL: 10 /% SiO<sub>2</sub> +2 TWA (respirable dust) mg/m<sup>3</sup>

OSHA TWA: 30 /% SiO<sub>2</sub> +2 TWA (total dust) mg/m<sup>3</sup>

ACGIH TWA: 0.025 mg/m<sup>3</sup>

#### GLYCERIN

OSHA PEL: 5 mg/m<sup>3</sup>

OSHA TWA: 15 mg/m<sup>3</sup>

## 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

**EYE EFFECTS:**

Vapors or liquid may cause irritation with redness and tearing.

**SKIN EFFECTS:**

May cause irritation.

**ACUTE ORAL EFFECTS:**

Ingestion may cause irritation of the mucous membranes, esophagus and stomach. May cause burns or tissue destruction of the mouth, throat and stomach.

**ACUTE INHALATION EFFECTS:**

Inhalation of vapors or mists 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.

**ZIRCON**

Test Code: Inhalation Study

Species: Rat

Results: 12.4 or 51.6 mg/m<sup>3</sup> of quartz produced lung tumors.

**CRYSTALLINE QUARTZ, DUST**

Test Code: Oral LD50

Species: Rat

Results: >22,500 mg/kg

**QUARTZ (SIO<sub>2</sub>)**

Test Code: LCLO

Species: Human

Results: 300 micrograms/m<sup>3</sup>/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:	Green Paint-On Liquid
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:**

R36/37/38 - Irritating to eyes, respiratory system, and skin.  
R48/20 - Harmful: Danger of serious damage to health by prolonged exposure through inhalation.

**Canadian Disclosure List**

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

**SARA Title III - Section 313**

Green Paint-On Liquid (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 12, 2018  
SUPERCEDES DATE: September 8, 2016  
RTN NUMBER: 00000200 (Official Copy)

**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 SAFETY DATA SHEET**

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