

MATERIAL 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. COMPOSITION/INFORMATION ON INGREDIENTS

COMPONENT LISTING:

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

(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.

MISCELLANEOUS:

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



3. HAZARDS IDENTIFICATION

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*****      EMERGENCY OVERVIEW      *****
*
*                                     WARNING
*
* Cancer hazard. Prolonged exposure may cause severe
* lung damage.
*
*****
```

HMIS Rating - Health: 0
 Flammability: 0
 Reactivity: 0

POTENTIAL HEALTH EFFECTS

EYE:

Causes eye irritation.

SKIN:

May cause skin irritation.

INHALATION:

May be slightly irritating to respiratory tract.

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).

REPRODUCTIVE HAZARDS:

None.

CARCINOGENICITY INFORMATION:

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

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE:

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



(section 3 continued)

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.

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:

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.

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.



(section 5 continued)

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 (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.



(section 8 continued)

EXPOSURE GUIDELINES:

SILICA, CRYSTALLINE QUARTZ

OSHA PEL: .1 mg/m³

OSHA TWA: .1 mg/m³

MAGNESIUM OXIDE

OSHA PEL: 10 mg/m³

OSHA TWA: 5 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 Hydrochloric acid to generate volatile, corrosive gas. May be attacked by strong alkalis. 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

CHRONIC EFFECTS /:

May cause respiratory disease.

SILICA, CRYSTALLINE QUARTZ

Test Code: TCLO

Species: Human

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



(section 11 continued)

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.

13. DISPOSAL CONSIDERATIONS

WASTE DISPOSAL:

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

14. TRANSPORTATION 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

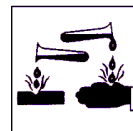
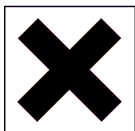
REGULATORY LISTS SEARCHED:

01 = SARA 313	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), Corrosive (C)





R-Phrases:

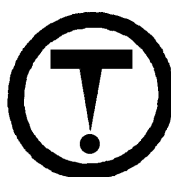
R36/37 - Irritating to eyes and respiratory system.

S-Phrases:

S22 - Do not breathe dust.

WHMIS Hazard Symbols:

Class D2 - Materials Causing Other Toxic Effects



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: June 24, 2011
SUPERCEDES DATE ...: June 23, 2011
MSDS NUMBER: 215
RTN NUMBER: 00000215 (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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except that it is accurate to the best knowledge of CMP Industries LLC.
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designated herein. CMP Industries LLC assumes no legal responsibility
for use or reliance upon these data.

END OF MSDS



MATERIAL SAFETY DATA SHEET

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Identification

Product Name: Liquid E
Product Number: 2005E, 2041* Set of C, D, E
Chemical Name: Ethyl Silicate condensed
Chemical Family: Esters
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

COMPONENT LISTING:

<u>Chemical Name</u>	<u>Amount</u>	<u>CAS Number</u>
ETHYL SILICATE, CONDENSED	90.0 %	78-10-4

(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, fire hazards.



3. HAZARDS IDENTIFICATION

```
***** EMERGENCY OVERVIEW *****
*
*                               CAUTION                               *
*
* Eliminate all sources of ignition - heat, sparks,
* flame, electricity, impact and friction. Avoid
* inhalation and eye contact.
*
*****
```

HMIS Rating - Health: 2
 Flammability: 2
 Reactivity: 0

NFPA Rating - Health: 2
 Flammability: 2
 Reactivity: 0

POTENTIAL HEALTH EFFECTS

EYE:

Causes eye irritation.

SKIN:

Causes skin irritation and dryness.

INHALATION:

High concentrations will cause headaches, nausea, vomiting and coma.
Vapors and mist may be irritating to the upper respiratory passages.

INGESTION:

Large quantities may cause nausea and vomiting.

REPRODUCTIVE HAZARDS:

None.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE:

Not determined.

4. FIRST AID MEASURES

EYE CONTACT FIRST AID:

Hold eyelids apart and flush eyes with plenty of water for at least 15 minutes. Get immediate medical attention.



(section 4 continued)

SKIN CONTACT FIRST AID:

Immediately flush skin with plenty of soap and water.

INHALATION FIRST AID:

If inhaled, remove to fresh air. If breathing is difficult, have qualified personnel administer oxygen. Get immediate medical attention.

INGESTION FIRST AID:

Get immediate attention. Immediately call poison control center or go to a hospital emergency room. Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious or convulsing person.

5. FIRE FIGHTING MEASURES

FLAMMABLE PROPERTIES

TCC Flash Point: 37.0 C (98.6 F)

Autoignition Temperature: N/A

FLAMMABLE LIMITS IN AIR

LEL: 3.3 %

UEL: 19 %

EXTINGUISHING MEDIA:

Use water, dry chemical or carbon dioxide.

FIRE & EXPLOSION HAZARDS:

Vapors can travel to a source of ignition and flash back. Extinguish all sources of ignition.

FIRE FIGHTING INSTRUCTIONS:

Firefighters should wear full emergency equipment and an approved positive pressure self-contained breathing apparatus. Cool fire exposed containers and structures with water.

COMBUSTION PRODUCTS:

None.

6. ACCIDENTAL RELEASE MEASURES

LARGE SPILLS PROCEDURE:

Absorb with sorbent material & place residue in DOT approved waste container. Keep out of sewers, storm drains surface & soils.



(section 6 continued)

Wear respirator and protective clothing as appropriate. Shut off source of leak. Dike & contain. Allow residue to cool and remove as solid.

SMALL SPILLS PROCEDURE:

Mop up & dispose of in DOT approved waste container.

7. HANDLING AND STORAGE

HANDLING (PERSONNEL):

Use only in a well-ventilated area.

HANDLING (PHYSICAL ASPECTS):

Keep away from heat, sparks and flames. Do not use pressure to empty containers.

STORAGE PRECAUTIONS:

Keep container closed when not in use. Store in a cool place. Avoid inhalation of vapors.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

EYE / FACE PROTECTION REQUIREMENTS:

Use chemical goggles.

SKIN PROTECTION REQUIREMENTS:

Wear impermeable gloves.

RESPIRATORY PROTECTION REQUIREMENTS:

When there is potential for airborne exposures in excess of applicable limits, wear NIOSH approved respiratory protection.

MISCELLANEOUS:

Use local ventilation to maintain emission levels below the PEL.

EXPOSURE GUIDELINES:

ETHYL SILICATE, CONDENSED

OSHA PEL: 100 ppm

OSHA TWA: 10 ppm



9. PHYSICAL AND CHEMICAL PROPERTIES

FORM: Liquid
COLOR: Clear
ODOR: Mild
VAPOR PRESSURE: 2 mm Hg
VAPOR DENSITY: 2 (Air = 1)
SOLUBILITY IN WATER ...: Decompose
SPECIFIC GRAVITY: .935 (Water = 1)
% VOLATILES: 1 %
EVAPORATION RATE: 1

10. STABILITY AND REACTIVITY

STABILITY:

Stable.

POLYMERIZATION:

Product will not undergo polymerization.

INCOMPATIBILITY WITH OTHER MATERIALS:

Acids, alkali's, oxidizing or reducing agents.

DECOMPOSITION:

May liberate carbon dioxide, carbon monoxide and silicon oxides.

CONDITIONS TO AVOID:

Heat, sparks and open flames.

11. TOXICOLOGICAL INFORMATION

ETHYL SILICATE, CONDENSED

Test Code: Oral LD50

Species: Rat

Results: 6270 mg/kg

Test Code: LC50

Description: Inhalation

Species: Rat

Results: 1000 ppm administered for 4 hr.

Test Code: Eye

Species: Human

Results: 3000 ppm



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.

CONTAINER DISPOSAL:

Use a DOT approved container.

14. TRANSPORTATION INFORMATION

PRODUCT LABEL: Liquid E
D.O.T. SHIPPING NAME: N/A
TECHNICAL SHIPPING NAME ...: N/A
D.O.T. HAZARD CLASS: Flammable Liquid
UN NUMBER: UN1292

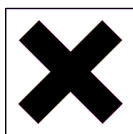
15. REGULATORY INFORMATION

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.
R37 - Irritating to respiratory system.

S-Phrases:

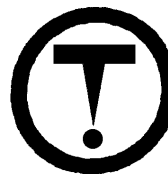
S3/9 - Keep in a cool, well-ventilated place.
S3/7 - Keep container tightly closed in a cool place.



(section 15 continued)

WHMIS Hazard Symbols:

Class B - Flammable and Combustible Material, Class D2 - Materials
Causing Other Toxic Effects



Canadian Disclosure List

ETHYL SILICATE, CONDENSED (78-10-4)

16. OTHER INFORMATION

PREPARED BY: John Nicpon
APPROVED BY: John Nicpon
TITLE: Quality Manager
APPROVAL DATE: June 27, 2011
SUPERCEDES DATE ...: June 27, 2011
MSDS NUMBER: 206
RTN NUMBER: 00000206 (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 MSDS



MATERIAL SAFETY DATA SHEET

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Identification

Product Name: Liquid C
Product Number: 2005C, 2041* Set of C, D, E
Chemical Family: Inorganic acid
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 1-703-527-3887 (CHEMTREC)

2. COMPOSITION/INFORMATION ON INGREDIENTS

COMPONENT LISTING:

<u>Chemical Name</u>	<u>Amount</u>	<u>CAS Number</u>
HYDROCHLORIC ACID	14.0 %	7647-01-0

(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

```
*****      EMERGENCY OVERVIEW      *****
*
*      CAUTION      *
*
*      Avoid inhalation and eye contact.      *
*
*****
```

POTENTIAL HEALTH EFFECTS

EYE:

Can cause severe damage to the eye, even blindness very rapidly.

SKIN:

Causes skin burns.

INHALATION:

Can cause damage to the nasal and respiratory passage.

INGESTION:

Ingestion is not considered a potential route of exposure. Harmful if swallowed.

REPRODUCTIVE HAZARDS:

None.

CARCINOGENICITY INFORMATION:

Suspect cancer hazard (contains material which) may cause cancer.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE:

Not determined.

4. FIRST AID MEASURES

EYE CONTACT FIRST AID:

Immediately flush eyes with plenty of water for at least 15 minutes, holding the eyelids apart. Get immediate medical attention.

SKIN CONTACT FIRST AID:

Immediately flush skin with plenty of water for at least 15 minutes. Contaminated clothing should be discarded in a manner which limits further exposure. Get medical attention if irritation persists.



(section 4 continued)

INHALATION FIRST AID:

Remove to fresh air. If breathing is difficult have qualified personnel give oxygen. If not breathing, give artificial respiration. Get immediate medical attention.

INGESTION FIRST AID:

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.

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

EXTINGUISHING MEDIA:

Non-flammable.

FIRE & EXPLOSION HAZARDS:

Acids react with most metals to release hydrogen gas which can form explosive mixtures with air.

FIRE FIGHTING INSTRUCTIONS:

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

COMBUSTION PRODUCTS:

Hydrogen chloride vapors, chlorine gas, and hydrogen gas.

6. ACCIDENTAL RELEASE MEASURES

LARGE SPILLS PROCEDURE:

Stop spill at source. Dike to prevent spreading. Pump to salvage tank.

Wear respirator and protective clothing as appropriate. Shut off source of leak. Dike & contain. Allow residue to cool and remove as solid.



(section 6 continued)

SMALL SPILLS PROCEDURE:

Neutralize with alkaline material such as soda ash or lime then collect using an inert absorbent material and place in appropriate containers for disposal. Do not use combustible material such as sawdust.

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

7. HANDLING AND STORAGE

HANDLING (PERSONNEL) :

Avoid contact with skin and eyes.

HANDLING (PHYSICAL ASPECTS) :

Keep in a cool place. Never add water to acids. Add acid to water. Addition to water releases heat which can result in violent boiling and spattering. Always add slowly and in small amounts. Never use hot water.

STORAGE PRECAUTIONS:

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

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

EYE / FACE PROTECTION REQUIREMENTS:

Use splash goggles.

SKIN PROTECTION REQUIREMENTS:

Wear neoprene, polyvinyl chloride gloves.

RESPIRATORY PROTECTION REQUIREMENTS:

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

MISCELLANEOUS:

Use local/general ventilation.



(section 8 continued)

EXPOSURE GUIDELINES:

HYDROCHLORIC ACID

OSHA PEL: 5 ppm, 7 mg/m³
OSHA TWA: 5 ppm, 7 mg/m³
OSHA Ceiling Limit: 5 ppm, 7 mg/m³
Skin Designation: Yes

9. PHYSICAL AND CHEMICAL PROPERTIES

FORM: Solution
COLOR: Clear
ODOR: No odor
BOILING POINT: 220 F
VAPOR PRESSURE: 25 mm Hg
VAPOR DENSITY: 1.2 (Air = 1)
SOLUBILITY IN WATER ...: Miscible
SPECIFIC GRAVITY: 1.18 (Water = 1)
% VOLATILES: 100 %
EVAPORATION RATE: 1

10. STABILITY AND REACTIVITY

STABILITY:

Stable.

POLYMERIZATION:

Product will not undergo polymerization.

INCOMPATIBILITY WITH OTHER MATERIALS:

Avoid contact with alkalies and alkali metals.

DECOMPOSITION:

Decomposition will not occur.

11. TOXICOLOGICAL INFORMATION

HYDROCHLORIC ACID

Test Code: LD₅₀
Description: Inhalation
Species: Human
Results: 1300 ppm/30 min, not yet reviewed.



(section 11 continued)

Test Code: Oral LD50
Species: Rabbits
Results: 900 mg/kg, toxic effects not yet reviewed.

Test Code: TCLO
Description: Inhalation
Species: Rat
Results: 450 mg/m³/hr (1 day prior to pregnancy) produced
fetotoxicity (except death) and specific developmental
abnormalities.

Test Code: Eye
Species: Rabbit
Results: 100 mg rinse caused irritation.

12. ECOLOGICAL INFORMATION

HYDROCHLORIC ACID

Test Code: LC50
Species: Fathead Minnow
Results: 193 mg/L/96 hr

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 C
D.O.T. SHIPPING NAME: N/A
TECHNICAL SHIPPING NAME ...: N/A
D.O.T. HAZARD CLASS: Corrosive Material
UN NUMBER: N/A



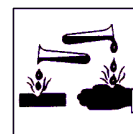
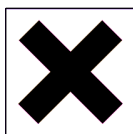
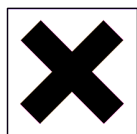
15. REGULATORY INFORMATION

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:

Harmful (Xn), Irritant (Xi), Corrosive (C)



R-Phrases:

R36/38 - Irritating to eyes and skin.
R37 - Irritating to respiratory system.
R20 - Harmful by inhalation.
R35 - Causes severe burns.

S-Phrases:

S3/9 - Keep in a cool, well-ventilated place.
S3/7 - Keep container tightly closed in a cool place.

WHMIS Hazard Symbols:

Class D2 - Materials Causing Other Toxic Effects, Class E - Corrosive Material



Canadian Disclosure List

HYDROCHLORIC ACID (7647-01-0)

SARA Title III - Section 313

HYDROCHLORIC ACID (7647-01-0)

CERCLA Hazardous Substances

HYDROCHLORIC ACID (7647-01-0) -- RQ 5000 lb

Clean Air Act - Section 112

HYDROCHLORIC ACID (7647-01-0)



(section 15 continued)

Title V

HYDROCHLORIC ACID (7647-01-0)

SC Toxic Air Pollutants List

HYDROCHLORIC ACID (7647-01-0)

16. OTHER INFORMATION

REASON FOR ISSUE: Add current date to MSDS
PREPARED BY: John Nicpon
APPROVED BY: John Nicpon
TITLE: Quality Manager
APPROVAL DATE: June 27, 2011
SUPERCEDES DATE: June 24, 2011
MSDS NUMBER: 403
RTN NUMBER: 00000207 (Official Copy)

ABBREVIATIONS USED IN THIS MSDS:

TLV - THRESHOLD LIMIT VALUE	TWA - Time Weighted Average
STEL - SHORT TERM EXPOSURE LIMIT	TPQ - Threshold Planning Quantity
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NDA - NO DATA AVAILABLE	N/A - Not Applicable or Not Available

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except that it is accurate to the best knowledge of CMP Industries LLC.
The data on this sheet are related only to the specific material
designated herein. CMP Industries LLC assumes no legal responsibility
for use or reliance upon these data.

END OF MSDS



MATERIAL SAFETY DATA SHEET

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Identification

Product Name: Liquid D
Product Number: 2102, 2103, 2105, 2102-5
Chemical Name: Ethylene glycol & colloidal silica
Chemical Family: colloidal silica
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

COMPONENT LISTING:

<u>Chemical Name</u>	<u>Amount</u>	<u>CAS Number</u>
SILICA, COLLOIDAL	40.0 - 90.0 %	7631-86-9
ETHYLENE GLYCOL	0.0 - 20.0 %	107-21-1

(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

```
*****      EMERGENCY OVERVIEW      *****
*
*                               WARNING                               *
*
* Persons with impaired pulmonary function should not      *
* be exposed to excessive airborne concentrations.          *
*
*****
```

POTENTIAL HEALTH EFFECTS

EYE:

Causes eye irritation.

SKIN:

Causes skin irritation.

INHALATION:

Causes respiratory tract irritation.

INGESTION:

Ingestion is not considered a potential route of exposure.

CHRONIC EFFECTS:

Prolonged exposure may cause delayed injury to the pulmonary system.

REPRODUCTIVE HAZARDS:

None.

CARCINOGENICITY INFORMATION:

No known cancer hazards.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE:

Individuals with pulmonary problems will be more susceptible to effects due to exposure.

4. FIRST AID MEASURES

EYE CONTACT FIRST AID:

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

SKIN CONTACT FIRST AID:

Wash skin with soap and water.



(section 4 continued)

INHALATION FIRST AID:

If inhaled, remove to fresh air. If breathing is difficult, have qualified personnel administer oxygen. Get immediate 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:

Non-flammable.

FIRE & EXPLOSION HAZARDS:

Contact with reactive metals such as aluminum may result in generation of flammable hydrogen gas.

FIRE FIGHTING INSTRUCTIONS:

None.

COMBUSTION PRODUCTS:

None.

6. ACCIDENTAL RELEASE MEASURES

LARGE SPILLS PROCEDURE:

Dike and contain spill with absorbent material such as clay or commercial sorbents. Store reclaimed material in DOT approved container for disposal.

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

STORAGE PRECAUTIONS:

Store in a cool dry place away from incompatible materials. Protect from physical damage.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

EYE / FACE PROTECTION REQUIREMENTS:

Use safety glasses with side shields or chemical splash goggles.

SKIN PROTECTION REQUIREMENTS:

Wear impermeable gloves.

RESPIRATORY PROTECTION REQUIREMENTS:

If exposure exceeds exposure limits, use NIOSH approved respirator.

MISCELLANEOUS:

Use general or local ventilation.

EXPOSURE GUIDELINES:

SILICA, COLLOIDAL

OSHA Ceiling Limit: 20 ppm, 80 mg/m³

ETHYLENE GLYCOL

OSHA TWA: 50 ppm, 127 mg/m³

9. PHYSICAL AND CHEMICAL PROPERTIES

FORM: Liquid
COLOR: Translucent
ODOR: No odor
BOILING POINT: 212 F
SOLUBILITY IN WATER ...: Dispersible
SPECIFIC GRAVITY: 1.2 (Water = 1)

10. STABILITY AND REACTIVITY

STABILITY:

Stable.

POLYMERIZATION:

Product will not undergo polymerization.

INCOMPATIBILITY WITH OTHER MATERIALS:

Avoid contact with reactive metals such as aluminum.



11. TOXICOLOGICAL INFORMATION

No information available.

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 D
D.O.T. SHIPPING NAME: Non-flammable liquid
TECHNICAL SHIPPING NAME: N/A
D.O.T. HAZARD CLASS: N/A
UN NUMBER: N/A

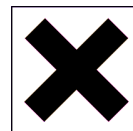
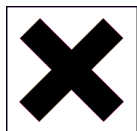
15. REGULATORY INFORMATION

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
11 = TSCA	

EEC Symbols and Indications of Danger:

Harmful (Xn), Irritant (Xi)



R-Phrases:



(section 15 continued)

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.

WHMIS Hazard Symbols:

Class D2 - Materials Causing Other Toxic Effects



Canadian Disclosure List

SILICA, COLLOIDAL (7631-86-9)
ETHYLENE GLYCOL (107-21-1)

SARA Title III - Section 313

ETHYLENE GLYCOL (107-21-1)

Title V

ETHYLENE GLYCOL (107-21-1)

SC Toxic Air Pollutants List

ETHYLENE GLYCOL (107-21-1)

MISCELLANEOUS INFORMATION:

This material or all of its components are listed on the Inventory of Existing Chemical Substances under the Toxic Substance Control Act (TSCA).

16. OTHER INFORMATION

PREPARED BY: John Nicpon
APPROVED BY: John Nicpon
TITLE: Quality Manager
APPROVAL DATE: June 27, 2011
SUPERCEDES DATE ...: January 8, 2009
MSDS NUMBER: 61043
RTN NUMBER: 00061043 (Official Copy)



(section 16 continued)

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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