

# MATERIAL SAFETY DATA SHEET

## 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

### Product Identification

Product Name: Purple Stripe Liquid - Solution I  
Product Number: 2133, 2131, 2135  
Chemical Name: Colloidal Silica  
Chemical Family: Inorganic  
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)

## 2. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Chemical Name</u>	<u>Amount</u>	<u>CAS Number</u>
COLLOID SILICA	30.0 - 40.0 %	7631-86-9
ETHYL ALCOHOL (UN1170)	40.0 - 50.0 %	64-17-5

(See Section 8 for exposure guidelines)

(See Section 15 for regulatory information)

## 3. HAZARDS IDENTIFICATION

```

*****      EMERGENCY OVERVIEW      *****
*
*   Flammable liquid.
*
*****

```

## 4. FIRST AID MEASURES

### EYE CONTACT FIRST AID:

Get medical attention. Flush eye with water for 15 minutes.

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(section 4 continued)

**SKIN CONTACT FIRST AID:**

Get medical attention. Flush skin with water for 15 minutes. Remove contaminated clothing.

**INHALATION FIRST AID:**

If exposed to excessive levels of fumes, remove to fresh air. Get medical attention. If breathing is difficult, give oxygen.

**INGESTION FIRST AID:**

Contact a physician. Do not induce vomiting. Give Milk of Magnesia.

**5. FIRE FIGHTING MEASURES**

**FLAMMABLE PROPERTIES**

COC Flash Point: 22.2 C (72.0 F)  
Autoignition Temperature: N/A

**FLAMMABLE LIMITS IN AIR**

LEL: N/A  
UEL: N/A

**EXTINGUISHING MEDIA:**

Water, carbon dioxide, fog or dry chemicals.

**FIRE & EXPLOSION HAZARDS:**

Extinguish all nearby sources of ignition.

**FIRE FIGHTING INSTRUCTIONS:**

As in any fire, wear self-contained breathing apparatus pressure-demand MSHA/NIOSH (approved or equivalent) and full protective gear.

**6. ACCIDENTAL RELEASE MEASURES**

**SAFEGUARDS (PERSONNEL):**

Protect skin and eyes from exposure. Wear appropriate personal protective equipment. Avoid breathing vapor.

**INITIAL CONTAINMENT:**

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



(section 6 continued)

**LARGE SPILLS PROCEDURE:**

Treat or dispose of waste material in accordance with all local, state/provincial, and national requirements. Prevent spilled product from entering streams or drinking water supply. Absorb spill with inert material (e g, dry sand or earth), then place in a chemical waste container.

**SMALL SPILLS PROCEDURE:**

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

**7. HANDLING AND STORAGE**

**HANDLING (PERSONNEL):**

It is strongly recommended to follow all precautions in MSDS when handling material.

**HANDLING (PHYSICAL ASPECTS):**

Store in a cool dry area. Keep away from heat. Do not use pressure to empty container.

**STORAGE PRECAUTIONS:**

Keep container tightly closed.

**8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

**ENGINEERING CONTROLS:**

Good general ventilation should be sufficient to control airborne levels. Keep container tightly closed.

**EYE / FACE PROTECTION REQUIREMENTS:**

When splashing of the material may occur, chemical goggles and a face shield are recommended. Wear a NIOSH/MSHA- approved (or equivalent) full-facepiece airline respirator in the positive pressure mode with emergency escape provisions.

**SKIN PROTECTION REQUIREMENTS:**

Wear rubber gloves to prevent skin contact.

**RESPIRATORY PROTECTION REQUIREMENTS:**

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



(section 8 continued)

**EXPOSURE GUIDELINES:**

**Colloid Silica**

OSHA Ceiling Limit: 20 ppm, 80 mg/m<sup>3</sup>

**Ethyl Alcohol (UN1170)**

OSHA PEL: 1000 ppm

OSHA TWA: 1000 ppm

**9. PHYSICAL AND CHEMICAL PROPERTIES**

FORM .....: Liquid  
COLOR .....: Translucent  
ODOR .....: Mild  
SOLUBILITY IN WATER ...: Miscible  
SPECIFIC GRAVITY .....: 1.02 (Water = 1)  
PH .....: 1.5

**10. STABILITY AND REACTIVITY**

**STABILITY:**

Stable.

**POLYMERIZATION:**

Hazardous polymerization will not occur.

**INCOMPATIBILITY WITH OTHER MATERIALS:**

Incompatible with alkaline and alkaline earth metals.

**11. TOXICOLOGICAL INFORMATION**

No information available.

**12. ECOLOGICAL INFORMATION**

No information available.

**13. DISPOSAL CONSIDERATIONS**

No information available.



**14. TRANSPORTATION INFORMATION**

PRODUCT LABEL ...: Purple Stripe Liquid - Solution I

**15. REGULATORY INFORMATION**

**EEC Symbols and Indications of Danger:**

None

**R-Phrases:**

R10 - Flammable.

**S-Phrases:**

S15.1 - Keep away from heat and flame.

S16.1 - Keep away from sources of ignition.

**WHMIS Hazard Symbols:**

None

**Canadian Disclosure List**

Colloid Silica (7631-86-9)

Ethyl Alcohol (UN1170) (64-17-5)

**16. OTHER INFORMATION**

PREPARED BY .....: Phyll Tabone  
APPROVED BY .....: John Nicpon  
TITLE .....: Quality Manager  
APPROVAL DATE .....: January 13, 2010  
SUPERCEDES DATE ...: November 29, 2007  
RTN NUMBER .....: 00000262 (Official Copy)

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**END OF MSDS**  
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# MATERIAL SAFETY DATA SHEET

## 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

### Product Identification

Product Name: Purple Stripe Liquid -Solution II  
Product Number: 2134,2131, 2135  
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

<u>Chemical Name</u>	<u>Amount</u>	<u>CAS Number</u>
ETHYL SILICATE, CONDENSED (UN1292)	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 hazards.



### 3. HAZARDS IDENTIFICATION

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

#### POTENTIAL HEALTH EFFECTS

**EYE:**

Causes eye irritation.

**SKIN:**

Causes skin irritation and dryness.

**INHALATION:**

High concentrations will cause headaches, nausea, vomiting & 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 AGRAVATED BY EXPOSURE:**

Not determined.

### 4. FIRST AID MEASURES

**EYE CONTACT FIRST AID:**

Immediately flush eyes with plenty of water. Get medical attention.

**SKIN CONTACT FIRST AID:**

Immediately flush skin with plenty of soap & water.

If cool wax contacts skin, wash with warm soapy water.

**INHALATION FIRST AID:**

Remove to fresh air. If not breathing, give artificial respiration but never to a person convulsing or unconscious.



(section 4 continued)

**INGESTION FIRST AID:**

If swallowed, immediately give 2 glasses of water and induce vomiting by sticking finger down throat.

**5. FIRE FIGHTING MEASURES**

**FLAMMABLE PROPERTIES**

TCC Flash Point: 30.0 C (86.0 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:**

As in any fire, wear self-contained breathing apparatus pressure-demand MSHA/NIOSH (approved or equivalent) and full protective gear. Use water spray to cool nearby containers.

**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.

Wear respirator and protective clothing as appropriate. Shut off source of leak. Dike & contain. Allow wax 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 (UN1292)

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, alkalis, 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 (UN1292)**

Test Code: Oral LD50

Species: Rat

Results: 6270 mg/kg

**ETHYL SILICATE, CONDENSED**

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.



(section 13 continued)

**CONTAINER DISPOSAL:**

Use a DOT approved container.

**14. TRANSPORTATION INFORMATION**

PRODUCT LABEL .....: Purple Stripe Liquid -Solution II  
D.O.T. SHIPPING NAME .....: N/A  
TECHNICAL SHIPPING NAME ...: N/A  
D.O.T. HAZARD CLASS .....: Flammable Liquid  
UN NUMBER .....: N/A

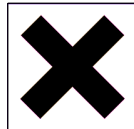
**15. REGULATORY INFORMATION**

**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:**

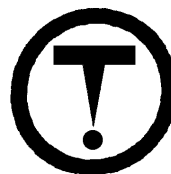
R36/38 - Irritating to eyes and skin.  
R37 - Irritating to respiratory system.

**S-Phrases:**

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

**WHMIS Hazard Symbols:**

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



(section 15 continued)

**Canadian Disclosure List**

ETHYL SILICATE, CONDENSED (UN1292) (78-10-4)

**16. OTHER INFORMATION**

PREPARED BY .....: Phyll Tabone  
APPROVED BY .....: John Nicpon  
TITLE .....: Quality Manager  
APPROVAL DATE .....: January 13, 2010  
SUPERCEDES DATE ...: November 29, 2007  
RTN NUMBER .....: 00000296 (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**  
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