

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 1-202-483-7616 (CHEMTREC)

2. COMPOSITION/INFORMATION ON INGREDIENTS

<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

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***** EMERGENCY OVERVIEW *****
*
* CAUTION
*
* Avoid inhalation and eye contact.
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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 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 water for at least 15 minutes. Contaminated clothing should be discarded in a manner which limits further exposure. Get medical attention.

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



(section 4 continued)

INHALATION FIRST AID:

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

INGESTION FIRST AID:

Do not induce vomiting. Give milk of magnesia. Keep warm, quiet. 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

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:

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

COMBUSTION PRODUCTS:

None.

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 wax to cool and remove as solid.

SMALL SPILLS PROCEDURE:

Cover with sodium bicarbonate or soda ash/slaked lime (50-50) mix and add water to form slurry. Scoop up slurry & wash site with soda ash solution.



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 place.

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.

MISCELLANEOUS:

Use local/general ventilation.

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: LD10

Description: Inhalation

Species: Human

Results: 1300 ppm/30 min, not yet reviewed.

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

No information available.

13. DISPOSAL CONSIDERATIONS



(section 13 continued)

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

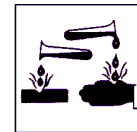
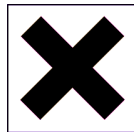
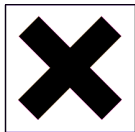
15. REGULATORY INFORMATION

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



