

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, 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. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW:

WARNING: May cause eye, skin and respiratory tract irritation. Harmful if swallowed. May cause abdominal pain, nausea, vomiting and diarrhea.

GHS Classification:

Metal Corrosion Category 1
Skin Corrosion/Irritation - Category 1A
Serious Eye Damage/Eye Irritation - Category 1

GHS Hazard Symbols:

Corrosive, Health Hazard



GHS Hazard Statements:

H290 - May be corrosive to metals.
H314 - Causes severe skin burns and eye damage.

GHS Precautionary Statements:

P260 - Do not breathe dust/fume/gas/mist/vapors/spray.
P280 - Wear protective gloves/protective clothing/eye protection/face protection.
P234 - Keep only in original container.



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 may cause irritation or burns of the mucous membranes, esophagus and stomach. May cause collapse of the circulatory system.

CHRONIC EFFECTS:

Prolonged overexposure may cause dermatitis and erosion of the teeth.

REPRODUCTIVE HAZARDS:

None.

CARCINOGENICITY INFORMATION:

None of the components are listed as carcinogens by OSHA, IARC, NTP, ACGIH, or the EU Directives.

MEDICAL CONDITIONS AGRAVATED BY EXPOSURE:

Individuals with pre-existing eye, skin or respiratory disease may be at increased risk from exposure.

3. COMPOSITION/INFORMATION ON INGREDIENTS

COMPONENT LISTING:

Chemical Name	Amount	CAS Number
HYDROCHLORIC ACID	14.0 %	7647-01-0

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.

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.

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.

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.

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 alkalis and alkali metals.



DECOMPOSITION:

Decomposition will not occur.

11. TOXICOLOGICAL INFORMATION

EYE EFFECTS:

Liquid or vapors may cause severe irritation with redness, burning and tearing. Prolonged exposure may cause conjunctivitis or corneal damage.

SKIN EFFECTS:

Liquid or mists may cause irritation with redness and burning of the skin.

HYDROCHLORIC ACID

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. TRANSPORT INFORMATION

PRODUCT LABEL:	Liquid C
D.O.T. SHIPPING NAME:	N/A
TECHNICAL SHIPPING NAME:	N/A
D.O.T. HAZARD CLASS:	8
UN NUMBER:	N/A



15. REGULATORY INFORMATION

REGULATORY LISTS SEARCHED:

01 = SARA 313

03 = SARA 302/304

05 = ACGIH TWA

07 = ACGIH CALC TLV

10 = OSHA CEILING

02 = CA Proposition 65

04 = CERCLA 302.4

06 = ACGIH STEL

08 = OSHA PEL

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.

Canadian Disclosure List

HYDROCHLORIC ACID (7647-01-0)

SARA Title III - Section 313

Liquid C (BLEND) --

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)

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: March 9, 2018
SUPERCEDES DATE: February 24, 2015
RTN NUMBER: 00000207 (Official Copy)

HMIS Rating:

Health - 2
Flammability - 0
Reactivity - 0

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

