

# SAFETY DATA SHEET

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## 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

### Product Identification

Product Name: Liquid C  
Product Number: 2041C  
Chemical Family: Inorganic acid  
CAS Number: Blend

### Company Identification

Tecnadent-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 *****
*
* CAUTION *
*
* Avoid inhalation and eye contact. *
*
*****
```

### **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.



(section 2 continued)

**CARCINOGENICITY INFORMATION:**

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

**MEDICAL CONDITIONS AGRAVATED BY EXPOSURE:**

Not determined.

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

**COMPONENT LISTING:**

<u>Chemical Name</u>	<u>Amount</u>	<u>CAS Number</u>
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. 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.

**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 magnesi. Keep warm, quiet. Get medical attention.

**5. FIRE FIGHTING MEASURES**

**FLAMMABLE PROPERTIES**

COC Flash Point: N/A

Autoignition Temperature: N/A



(section 5 continued)

**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/m<sup>3</sup>  
OSHA TWA: 5 ppm, 7 mg/m<sup>3</sup>  
OSHA Ceiling Limit: 5 ppm, 7 mg/m<sup>3</sup>  
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.



(section 10 continued)

**DECOMPOSITION:**

Decomposition will not occur.

**11. TOXICOLOGICAL INFORMATION**

**HYDROCHLORIC ACID**

Test Code: LD<sub>10</sub>  
Description: Inhalation  
Species: Human  
Results: 1300 ppm/30 min, not yet reviewed.

Test Code: Oral LD<sub>50</sub>  
Species: Rabbits  
Results: 900 mg/kg, toxic effects not yet reviewed.

Test Code: TCL<sub>0</sub>  
Description: Inhalation  
Species: Rat  
Results: 450 mg/m<sup>3</sup>/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**

**WASTE DISPOSAL:**

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

**14. TRANSPORT INFORMATION**



(section 14 continued)

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

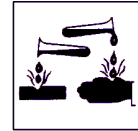
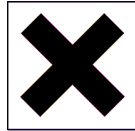
**15. REGULATORY INFORMATION**

**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)



(section 15 continued)

**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)

**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 .....: Phyll Tabone  
APPROVED BY .....: John Nicpon  
TITLE .....: Quality Manager  
APPROVAL DATE .....: November 1, 2013  
SUPERCEDES DATE ....: January 29, 2008  
RTN NUMBER .....: 00002020 (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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