

**PRO CHEM, INC.**

1475 BLUEGRASS LAKES PKWY.  
ALPHARETTA, GA 30004  
EMERGENCY/INFO # (800) 241-8180  
ADDITIONAL EMERGENCY # INFO TRAC 1-800-535-5053

**MATERIAL SAFETY DATA SHEET****CON EX PLUS / 2442****DECEMBER 2009****PAGE 1**

HEALTH	2
FIRE	0
REACTIVITY	1
P.P.E.	B

Complies With USDL Safety and Health Regulations, (29 CFR 1910.200)

**SECTION 1 – Chemical and Company Identification****PRODUCT USE:** Acid Cleaner**SECTION 2 – Composition on Ingredients**

CAS #	CHEMICAL NAMES	WT %	TLV (UNITS)
7647-01-0	Hydrochloric Acid	< 4	5 ppm

**SECTION 3 – Hazards Information****PRIMARY ROUTE(S) OF ENTRY:** Skin contact and inhalation**SIGNS AND SYMPTOMS OF OVEREXPOSURE:**

Gastrointestinal irritation (nausea, vomiting, diarrhea), irritation to nose, throat, and respiratory tract  
**TARGET ORGAN EFFECTS:** Overexposure to this material (or its components) has been suggested as a cause of the following effects in laboratory animals and may aggravate pre-existing disorders or these organs in humans: chronic ingestion may cause kidney and liver lesions in high doses.

**IMMEDIATE HEALTH EFFECTS:****EYES:** Vapors are irritating and may cause damage to eyes. Contact may cause severe burns and permanent eye damage.**SKIN:** Causes chemical burns. Harmful contact may not cause immediate pain.**INHALATION:** Inhalation of vapors can cause coughing, choking, inflammation of the nose, throat, and upper respiratory tract, and in sever cases, pulmonary edema, circulatory failure, and death.**INGESTION:** Harmful or fatal if swallowed. Causes chemical burns to the mouth, throat, and stomach.**REPRODUCTIVE/DEVELOPMENTAL INFORMATION:** No data.**CARCINOGENIC INFORMATION:** This material is not listed as a carcinogen by IARC, NTP, or OSHA.**LONG TERM EFFECTS:** Long term exposure to concentrated vapor may cause erosion of teeth. Long term exposure seldom occur due to the corrosive properties of the acid.**SECTION 4 – First Aid Measures****EYES:** Rinse immediately with water. Quickly remove contact lenses, then flush with water for 15 minutes.**SKIN:** Remove contaminated clothing. Flush skin with water for 15 minutes. Then, call Poison Control Center or physician at once.**INGESTION:** Rinse mouth with water. Drink a glassful of water or milk. Do not induce vomiting. Call physician immediately. Drink large quantities of water. Never give anything by mouth to an unconscious person.**SECTION 5 – Fire Fighting Measures****FLASH POINT:** No Flash at Boil**METHOD USED:** C.C. Method**EXPLOSIVE LIMITS:**

Not applicable

**AUTOIGNITION TEMPERATURE:**

Not applicable

**HAZARDOUS PRODUCTS OF COMBUSTION:**

Chlorine gas and hydrogen chloride

**EXTINGUISHING MEDIA:**

Not applicable

**FIRE FIGHTING INSTRUCTIONS:** Avoid contact with this material. Avoid walking in spilled material.

Wear protective clothing for skin and eyes.

**SECTION 6 – Accidental Release Measures****SMALL SPILL:** Absorb with an inert solid and scoop up for disposal, then rinse soiled area with water down the drain.**LARGE SPILL:** Stop leak at the source and collect into a suitable container, then treat as a small spill.**SECTION 7 – Handling and Storage****HANDLING:** Containers of this material may be hazardous when emptied. Since emptied containers retain product residues (vapor, liquid, and/or solid), all hazard precautions given in the data sheet must be observed.**STORAGE:** Store in a cool, dry place. Keep container closed when not in use.**SECTION 8 – Exposure Controls/Personal Protection****EYE PROTECTION:** Chemical Splash goggle in compliance with OSHA regulations are advised: however, OSHA regulations also permit other type safety glasses. Consult your safety representative.**SKIN PROTECTION:** Wear rubber gloves (consult your safety equipment supplier). To prevent repeated or prolonged skin contact, wear impervious clothing and boots.**RESPIRATORY PROTECTION:** If workplace exposure limits of product or any component are exceeded (see exposure guidelines), NIOSH/OSHA approved air-supplied respirator is advised in the absence of proper environmental control. OSHA relations also permit other NIOSH/OSHA respirators (negative pressure type) under specific conditions (see your industrial hygienist). Engineering or administrative controls should be implemented to reduce exposure.**ENGINEERING CONTROLS:** Provide sufficient mechanical (general and local exhaust) ventilation to maintain exposure below level of overexposure (from known, suspected or apparent adverse effects).**SECTION 9 – Physical and Chemical Properties****APPEARANCE/ODOR:** Thin, colorless liquid with a mild odor**pH:** <1**VAPOR PRESSURE:** Unknown**VAPOR DENSITY:** Unknown**BOILING POINT:** 212°F**SOLUBILITY IN WATER:** Complete**PERCENT VOLATILE:** 99%**SPECIFIC GRAVITY (H<sub>2</sub>O=1):** 1.05 +/- 0.02**SECTION 10 – Stability and Reactivity****CHEMICAL STABILITY:** Stable**CONDITIONS TO AVOID:** Temperature Extremes**INCOMPATIBILITY:** Chlorine bleach, other cleaners.**HAZARDOUS DECOMPOSITION:** Will not occur**HAZARDOUS POLYMERIZATION:** Will not occur**SECTION 11 – Toxicological Information**

No data available.

**SECTION 12 – Ecological Information**

No data available.

THIS INFORMATION MUST BE ON ALL MSDS'S COPIED AND DISTRIBUTED FOR THIS MATERIAL.  
**NO WARRANTY IS EXPRESSED/IMPLIED REGARDING THE ACCURACY OF THIS DATA OR RESULTS OBTAINED FROM USE. PROCHEM ASSUMES NO RESPONSIBILITY FOR PERSONAL INJURY OR PROPERTY DAMAGE TO USER. VENDEE/USER ASSUMES ALL RISKS ASSOCIATED WITH USE.**

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**SECTION 13 – Disposal Consideration**

**WASTE DISPOSAL INFORMATION:** Dispose of in accordance with all applicable Federal, State, and Local regulations.

**RCRA INFORMATION:** If this material becomes a waste, it would be considered hazardous under 40 CFR 261.22 and would be classified as EPA Waste Number D002.

**SECTION 14 – Transport Information**

**DOT INFORMATION:** 49 CFR 172.101  
DOT DESCRIPTION: 33440 Class 55  
DOT HAZARD CLASS:  
HAZARDOUS COMPONENT: Hydrochloric Acid  
**REPORTABLE QUANTITY (RQ):** 49 CFR 172.101  
NOT APPLICABLE

**SECTION 15 – Regulatory Information****US Federal Regulations:**

TSCA (Toxic Substances Control Act) Status  
TSCA (United States) The intentional ingredients of this product are listed.  
CERCLA RQ – 40 CFR 355 Appendix A: 500 lbs  
SARA 302 Components 40 CFR Appendix A: None  
Section 311/312 Hazard Class 40 CFR 370.2: Immediate (X) Delayed (X) Fire ( ) Reactivity ( )  
Sudden Release of Pressure ( )  
SARA 313 Components – 40 CFR 372.65  
CAS# CHEMICAL NAMES 10%  
7647-01-0 Hydrochloric acid

**State and Local Regulations:**

California Proposition 65: None  
California SCAQMD Rule 443.1 VOC's: >0  
North Carolina Administrative Code 2D.1104 and 2B.0610: None  
South Carolina Regulation 62.5 Standard Number 8: None

**SECTION 16 – Other Information**

This information relates only to the specific material and its designated uses. It may not be valid for the material used in combination with any other materials or in any other applications. The stated MSDS is reliable to the best of the company's knowledge and believed accurate as of the date indicated.

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