

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
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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 severe 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 (H₂O=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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