

**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****OXALL PLUS / 2618****DECEMBER 2009****PAGE 1**

HEALTH	3
FIRE	0
REACTIVITY	1
P.P.E.	D

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

**SECTION 1 – Chemical and Company Identification****CHEMICAL FAMILY:** Acid Cleaner**SECTION 2 – Composition on Ingredients**

CAS #	NAME	% BY WT.	OSHA PEL/ACGIH TLV	SARA 302/ 304 (1)*	SARA 313 (2)*	STATE INFO (3)(4)	CERCLA RQ
7647-01-0	Hydrogen Chloride	< 17.0	5 ppm / 5 ppm	NO	NO	NO	5000 lbs

\* See Section 15 for more information n/e = none established n/a = not applicable

**SECTION 3 – Hazards Information****EMERGENCY OVERVIEW:** DANGER. POISON. Corrosive. Do not get on skin. Harmful or fatal if swallowed. Avoid breathing vapor or mists.**PRIMARY ROUTE OF ENTRY:** Eye contact, skin contact, inhalation**ACUTE/POTENTIAL HEALTH EFFECTS:**

- EYES:** Can cause permanent eye injury. Symptoms may include stinging, tearing, redness, and swelling of eyes. Can injure the cornea and cause blindness.
- SKIN:** Concentrated solutions are destructive to clothing and on contact with skin. Causes severe burns unless promptly washed off.
- INHALATION:** Breathing of this material is harmful. Mist or vapor inhalation can cause severe irritation to the nose, throat and upper respiratory tract.
- INGESTION:** Harmful or fatal if swallowed. Symptoms may include severe burning and pain in mouth, throat and abdomen. Vomiting, diarrhea and perforation of the esophagus and stomach lining may occur.

**CHRONIC/LONG TERM EFFECTS:** No data.**SIGNS AND SYMPTOMS OF OVEREXPOSURE:** Repeated overexposure may lead to contact dermatitis, may cause bronchitis with cough, phlegm, shortness of breath and emphysema. Can cause chronic runny nose, tearing of the eyes, nosebleeds and stomach upsets.**TARGET ORGAN EFFECTS:** Lungs and upper respiratory tract, skin.**REPRODUCTIVE/DEVELOPMENTAL INFORMATION:** No data.**CARCINOGENIC INFORMATION:** This material is not listed as a carcinogen by IARC, NTP, or OSHA.**SECTION 4 – First Aid Measures**

- EYES:** Immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention immediately.
- SKIN:** Immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse. Get medical attention immediately.
- INHALATION:** Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen.
- INGESTION:** Seek medical attention immediately. Do not induce vomiting. If victim is alert, give ½ to 1 glass of water. Call a poison control center or doctor for treatment advice.

**SECTION 5 – Fire Fighting Measures****FLASH POINT:** No flash **METHOD USED:** Standard**EXTINGUISHING MEDIA:** Use appropriate methods for combating surrounding fire.**SECTION 6 – Accidental Release Measures**

Stop all leaks. Isolate hazard area. Keep unnecessary and unprotected personnel from entering. Absorb spill with inert material (e.g. dry sand, earth). Prevent runoff from entering drains, sewers or other bodies of water. Absorb unrecoverable product. Transfer contaminated absorbent, soil and other materials to containers for disposal.

**SECTION 7 – Handling and Storage**

Follow all MSDS/label precautions even after container is emptied because they may contain product residues. Use with adequate ventilation. Do not get in eyes, on skin or clothing. Store in a cool, dry place. Keep container closed when not in use. Keep out of reach of children.

**SECTION 8 – Exposure Controls/Personal Protection**

- ENGINEERING CONTROLS:** Good general ventilation required.
- EYE PROTECTION:** Wear safety glasses or goggles and face shield. Remove contact lenses.
- SKIN PROTECTION:** To prevent repeated or prolonged contact, wear impervious gloves (made from rubber, nitrile or neoprene), clothing and boots.
- RESPIRATORY PROTECTION:** When respiratory protection is required, use an acid gas cartridge. A respiratory program that meets OSHA's 29 CFR 1910.34 & ANSI Z88.2 requirements must be followed.

**SECTION 9 – Physical and Chemical Properties**

<b>APPEARANCE &amp; ODOR:</b>	Clear, amber liquid with characteristic acid odor
<b>EVAPORATION RATE (BUTYL ACETATE=1):</b>	N/e
<b>SOLUBILITY IN WATER:</b>	Complete
<b>VAPOR PRESSURE (mmHg):</b>	N/e
<b>VAPOR DENSITY (AIR=1):</b>	N/e
<b>SPECIFIC GRAVITY (H2O=1):</b>	1.02
<b>pH CONCENTRATE:</b>	< 1.0
<b>BOILING POINT:</b>	212°F

**SECTION 10 – Stability and Reactivity**

- STABILITY:** Stable
- INCOMPATIBILITY:** Strong alkalis, oxidizers, organic matter, certain metals.
- CONDITIONS TO AVOID:** High temperature
- HAZARDOUS POLYMERIZATION:** Will not occur
- HAZARDOUS DECOMPOSITION PRODUCTS:** CO, CO<sub>2</sub>, H<sub>2</sub>

**SECTION 11 – Toxicological Information**

Hydrochloric Acid: Human LCLo - 1300 ppm/30 min, Rat LC50 - 4701 ppm/30 min, Oral (rabbit): LD50 - 900 mg/kg

**SECTION 12 – Ecological Information**

No data.

**SECTION 13 – Disposal Consideration****WASTE DISPOSAL METHOD:** Waste must be disposed of in accordance with federal, state, and local environmental control regulations.

**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 14 – Transport Information**

**D.O.T. SHIPPING NAME/CLASS:** Corrosive liquid, Acidic, Inorganic, N.O.S., 8, UN 3264, II  
(Contains Hydrochloric [Muratic] Acid)

**SECTION 15 – Regulatory Information****U.S. Federal Regulations:**

TSCA (Toxic Substances Control Act): The intentional ingredients of product are listed.

**Title III Section 311/312 Hazardous Categories - 40 CFR 370.2:**

ACUTE (X) Chronic ( ) Fire ( ) Pressure ( ) Reactive ( ) Not Applicable ( )

(1) Title III Section 302/304 Extremely Hazardous Substances - 40 CFR 355 Appendix A

(2) Title III Section 313 Toxic Chemicals - 40 CFR 372.65

If indicated under Section 2 of this MSDS, this product contains toxic chemicals subject to the reporting requirements of Section 313 of the Emergency Planning & Community Right to Know Act of 1986. This information must be included in all MSDS that are copied and distributed for this material.

**RCRA Status:** Under RCRA, it is the responsibility of the product user to determine at the time of disposal, whether a material containing the product or derived from the product should be classified as a hazardous waste. If this product becomes a hazardous waste it would be assigned RCRA Code(s) D002

**State and Local Regulations:** Certain states maintain their own ingredient lists which differ slightly from the Federal standards. If indicated under Section 2 of this MSDS, states listed below may have regulations on ingredients contained in this product. Check with your state for any additional regulations.

(3) California proposition 65 (Safe Drinking Water & Toxic Enforcement Act of 1986)

(4) Massachusetts (Hazardous Substance Disclosure by Employers)

**SECTION 16 – Other Information**

This information was compiled from current manufacturer's MSDS's of the component parts of the product.

**Disclaimer:** The Manufacturer believes that the information contained in the Material Safety Data Sheet is accurate. The suggested procedures are based on experience as of the date of publication. They are not necessarily all inclusive nor fully adequate in every circumstance. Also, the suggestions should not be confused with, nor followed in violation of applicable laws, regulations, rules or insurance requirements.

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