SAFETY DATA SHEET

1. Product and Company Identification

PRODUCT NUMBER: 2618

PRODUCT NAME: OXALL PLUS

PRODUCT DESCRIPTION: Highly Concentrated Lime & Scale Remover

COMPANY INFORMATION: **PRO CHEM, INC.**
1475 Bluegrass Lakes Parkway
Alpharetta, GA 30004

COMPANY PHONE: 1-800-241-8180

EMERGENCY TELEPHONE: 1-800-241-8180

INFOTRAC: 1-800-535-5053

2. Hazards Identification

CLASSIFICATION:
CORROSIVE TO METALS - Category 1
EYE DAMAGE/IRRITATION - Category 2
SKIN CORROSION/IRRITATION - Category 2

SIGNAL WORD:
DANGER

SYMBOL:





HAZARD STATEMENTS:
May cause respiratory irritation.
Causes serious eye irritation
May be corrosive to metals
Causes skin and serious eye irritation.

PRECAUTIONARY STATEMENTS:

Response:
Absorb spillage to prevent material damage.
If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
If skin irritation occurs: Get medical advice/attention.
If swallowed: Rinse mouth. Do NOT induce vomiting.
Take off contaminated clothing and wash it before reuse.

Prevention:
Avoid breathing dust/fume/gas/mist/ vapors/spray.
Keep only in original container.
Use only outdoors or in a well-ventilated area.
Wash hands thoroughly after handling.
Wear protective gloves/eye protection/face protection/protective clothing.

Storage:
Store in corrosive resistant container with a resistant inner liner.

Disposal:
N/A

INGREDIENTS OF UNKNOWN TOXICITY:
0%

HAZARDS NOT OTHERWISE CLASSIFIED:
Not applicable.

3. Composition / Information on Ingredients

CHEMICAL NAME	CAS	CONCENTRATION % by WEIGHT
Hydrogen chloride	7647-01-0	15% - 20%
Occupational exposure limits, if available, are listed in Section 8.		

4. First Aid Measures

EMERGENCY OVERVIEW

SKIN: In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Get medical attention immediately. Thoroughly wash (or discard) clothing and shoes before reuse.

EYE: Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Have eyes examined and tested by medical personnel.

INHALATION:
If exposed to excessive levels of dusts or fumes, remove to fresh air and get medical attention if cough or other symptoms develop.

INGESTION:
If swallowed, do NOT induce vomiting. Give victim a glass of water or milk. Call a physician or poison control center immediately. Never give anything by mouth to an unconscious person.

5. Fire-Fighting Measures

SUITABLE EXTINGUISHING MEDIA:
Use alcohol foam, carbon dioxide, or water spray when fighting fires involving this material.
UNSUITABLE EXTINGUISHING MEDIA:
N/A
FIRE FIGHTING METHODS:
As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. Accidental Release Measures

LARGE SPILLS:
Stop leak at source and collect into suitable container, then treat as a small spill.
ENVIRONMENTAL PRECAUTIONS AND CLEAN-UP METHODS:
Absorb with an inert solid and scoop up for disposal, then rinse soiled area with water.

7. Handling and Storage

Storage: Store in a cool dry place. Keep away from food and drinking water. Keep container closed when not in use.
Handling: Avoid contact with eyes, skin, and clothing. Do not breathe (dust, vapor, mist, gas). Wash thoroughly after handling. Follow all SDS/label precautions even after container is emptied because they may retain product residues.

8. Exposure Controls / Personal Protection

Occupational Exposure Limits

Ingredient Name	ACGIH TLV	OSHA PEL	STEL
Hydrogen chloride	2 pm (ceiling)	5 ppm (ceiling)	N/A

PERSONAL PROTECTIVE EQUIPMENT: Goggles, Gloves, Apron, Face Shield



EYE/FACE PROTECTION: Safety glasses or goggles.
SKIN PROTECTION: Nitrile or polyethylene gloves and aprons. Do not use cotton.
VENTILATION: Positive down-draft exhaust ventilation should be provided to maintain vapor concentration below TLV.
RESPIRATORY: Not available.

9. Physical & Chemical Properties

Physical State:	Liquid	**Melting Point:**	N/A
Color:	Orange/Clear	**Boiling Point:**	N/A
Odor:	Acidic	**Boiling Range:**	N/A
Odor Threshold:	N/A	**LEL:**	N/A
Solubility:	Complete	**UEL:**	N/A
Partition coefficient Water/noctanol:	N/A	**Evaporation Rate:**	N/A
Viscosity:	N/A	**Flammability:**	N/A
Specific Gravity:	1.1	**Decomposition Temperature:**	N/A
Density lbs/Gal	N/A	**Auto-Ignition Temperature:**	N/A
Pounds per Cubic Foot:	N/A	**Vapor Pressure:**	N/A
Flash Point:	N/A	**Vapor Density:**	N/A
FP Method:	N/A	**VOC %:**	N/A
pH:	<1		

10. Stability & Reactivity Information

STABILITY:
Chemical Stability: Stable
CONDITIONS TO AVOID:
Temperature Extremes
INCOMPATIBILITY:
Chlorine Bleach, Oxidizers, Acids
HAZARDOUS DECOMPOSITION:
Will not occur
HAZARDOUS POLYMERIZATION:
Will not occur

11. Toxicological Information

PRIMARY ROUTE OF ENTRY: Skin contact /absorption 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 at high doses.
IMMEDIATE HEALTH EFFECTS:
EYES: Corrosive. Exposure will cause noticeable pain, and severe irritation and transient corneal injury.

SKIN: Corrosive. Causes chemical burns. Harmful contact may not cause immediate pain. Ethylene glycol monobutyl ether and 2-aminoethanol may be absorbed through the skin.

INHALATION: Exposure to vapor or mist is possible. Short term inhalation is not likely to cause harmful effects: breathing large amounts may be harmful. Symptoms are more typically seen at air concentrations exceeding the recommended exposure limits.

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:

No Data

12. Ecological Information

Not Data Available

13. Disposal Consideration

WASTE DISPOSAL METHOD: For proper disposal of waste, refer to federal and state regulations.

14. Transportation Information

UN number: 1789
UN Proper Shipping Name: Hydrochloric Acid
Class: 8 – Corrosive
Packing group: II

15. Regulatory Information

Regulatory Statement:
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:None
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
State and Local Regulations
California Proposition 65: None
California SCAQMD Rule 443.1 VOC's: < 100g/L
North Carolina Administrative Code 2D.1104 and 2B.0610 None
South Carolina Regulation 62.5 Standard Number 8: None

16. Other Information

N/A = Not Applicable; N/D = Not Determined

DISCLAIMER:

The information contained herein is believed to be accurate and is offered in good faith. This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Mixing this product with any other materials may change the characteristics such as flash point, flammability or health effects. Because product use is beyond our control, no warranty is given, expressed or implied.