



713-659-9026

May be used to comply with OSHA's Hazard Communication Standard (HCS), 29 CFR 1910, 1940, 1200. Standard must be consulted for specific requirements.

SAFETY DATA SHEET

SECTION I. IDENTIFICATION

Piranha Water Products
12811 Rock Falls Way
Houston, TX 77041

Emergency Telephone Number: 800-535-5053
Telephone Number for Information 713-659-9026

Product Name: Descaling Gel

Product Use: Acidic solution for removal of calcium, rust and mineral deposits

SECTION II. HAZARD IDENTIFICATION

Signal Word: WARNING

Hazard Classification:

Corrosive to Metals, Category 1
Acute Toxicity, Oral, Category 4
Serious Eye Damage/Irritation, Category 2
Specific Organ Toxicity, Single Exposure, Category 2

Hazard Statements:

H290 - May be corrosive to metals.
H302 - Harmful if swallowed.
H319 - Causes serious eye irritation.
H371 - May cause damage to organs. (Kidney)

Precautionary Statements:

P260 – Do not breathe dust/fume/gas/mist/vapors/spray.
P264 – Wash hands thoroughly after handling.
P270 – Do not eat, drink or smoke when using this product.
P280 – Wear protective gloves/protective clothing/eye protection/face protection.
P301 + P312 – IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
P305 + P351 + P338 – IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P307 + P311 – IF exposed: Call a POISON CENTER or doctor/physician.
P330 – Rinse mouth.
P404 – Store in closed container.
P501 - Dispose of contents/container. In accordance with local/regional/national/international regulation (to be specified).

Hazard Pictograms:





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SECTION III. HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

Hazardous Components:	CAS No.	Percentage%
Hydrochloric Acid	7647-01-0	16-25%

SECTION IV. FIRST AID MEASURES

General Information: Immediately remove any clothing soiled by the product and launder before reuse.

After inhalation: Remove to fresh air immediately. If breathing difficulty continues, Get Medical Help.

After skin contact: Immediately wash with water and soap and rinse thoroughly.

After eye contact: Flush thoroughly with water for 15 minutes, lifting eyelids. If irritation persists, Get Medical Help.

After ingestion: DO NOT INDUCE VOMITING. Drink two glasses of water and Get Immediate Medical Help. Never give anything by mouth to an unconscious person.

Most Important Symptoms and Effects:

Acute: Ingestion

Delayed: Eyes, Inhalation

SECTION V. FIRE AND EXPLOSION HAZARD DATA

Suitable Extinguishing Media: Use extinguishing measures that are appropriate to the local circumstances and the surrounding environment.

Unsuitable Extinguishing Media: None known

Fire Hazard: Non-Flammable

Explosion Hazard: None

Reactivity: Reactions with aluminum, particularly foil, may generate flammable hydrogen gas.

Products of Combustion: Not Applicable

Special Hazards Arising from the Substance or Mixture: No further relevant information available.

Special Remarks and Advice for Firefighters: Firefighters should wear NIOSH/MSHA approved self-contained breathing apparatus and full protective clothing.

SECTION VI. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures: Wear protective equipment (See section VIII). Keep unprotected persons away.

Methods and material for containment and cleaning up:

Spill Response: Pull product into a mass and pick up product with a plastic dustpan type tool. Place collected product into a plastic bucket. Add copious amounts of water before discharging to sewer. Always be in compliance with local, state and federal disposal regulations. Residual product can be neutralized with water.

Waste Disposal: Dispose contaminated material as waste according to item 13. Ensure adequate ventilation.

Environmental precautions: Flush expired product to sewer with copious amounts of water. Always be in compliance with local, state and federal regulations.



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SECTION VII. PRECAUTIONS FOR SAFE HANDLING AND STORAGE

Handling:

Precautions for safe handling: Ensure good ventilation. Avoid contact with aluminum and other metals. Reactions with aluminum, particularly foil, may generate flammable hydrogen gas. Use, store and transfer only with acid resistant plastic containers, DO NOT USE aluminum or any other metal container.

Additional Hazards: None.

Hygiene Measures: Keep away from foodstuffs, beverages and feed. Immediately remove all soiled and contaminated clothing. Wash hands before breaks and at the end of work. Avoid contact with the eyes and skin.

Storage:

Storage Conditions: Keep container tightly sealed.

Storage Area: No special requirements.

Incompatible Products and Materials: Avoid contact with aluminum and other metals. Reactions with aluminum, particularly foil, may generate flammable hydrogen gas.

SECTION VIII. EXPOSURE CONTROL MEASURES

Exposure Limits:

CAS 7647-011-1 Hydrochloric Acid

PEL 5 ppm / 7 mg/m³ (ceiling)

TVL 5 ppm / 3 mg/m³ (ceiling)

Appropriate Engineering Controls: Use local ventilation

Personal Protective Equipment:



Hand: Protective Gloves - Wear gloves of adequate length to offer appropriate skin protection from splashes. Nitrile, Butyl and PVC gloves have been found to offer adequate protection for incidental contact.

Eye: Safety Glasses

Skin and Body: Non-absorptive boots.

Respiratory: Wear appropriate chemical mask with filter.

Additional Information: None



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SECTION IX. PHYSICAL/CHEMICAL CHARACTERISTICS

Appearance:	Form: Gelled liquid Color: Opaque Gel Odor: Pungent, Acidic
pH-value:	<1
Boiling Point/Boiling Range:	will not boil, simply degrades
Freezing Point:	Will not occur
Flash Point:	>200 C
Auto Igniting:	Product is not self-igniting
Vapor Pressure:	4mm @ 17.8 C
Vapor Density(AIR-1):	>1
Viscosity:	30%
Solubility:	Complete
Evaporation Rate:	NA
Flammability:	Non-flammable
Decomposition Temperature:	NE

SECTION X. REACTIVITY DATA

Conditions to be avoided: Poor ventilation, no decomposition if used according to specifications.

Incompatible materials: Strong oxidizers, caustics, fabrics, carpet, uncoated metals.

Hazardous Decomposition Products: No dangerous decomposition products known

Reactivity: Reacts with aluminum.

Chemical Stability: Stable

SECTION XI. TOXICOLOGICAL INFORMATION

Acute toxicity: LD-50 Oral, rabbit, 900mg/m3. Burning of mucous membranes on contact. May burn skin. Coughing/choking if acid fumes are inhaled.

Likely Route of Exposure: Skin

Exposure Symptoms:

Eyes: Can cause severe irritation and eye damage.

Skin: Irritation and possible burns. May cause allergic reaction with some people. Avoid repeated contact.

Inhalation: Coughing, sore throat, shortness of breath, irritation of mucous membrane.

Ingestion: Sore throat, abdominal pain, burning. May cause kidney damage.

Effects (Short-term, Long-term):

Immediate: Eye irritation

Delayed: Skin irritation

Chronic: NE

Carcinogenicity: No

Sensitization: No sensitizing effects known.



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SECTION XII. ECOLOGICAL INFORMATION

Aquatic toxicity: Neutralizes with water. No further relevant information available.

Persistence and Degradability: No further relevant information available.

Behavior in Environmental Systems: No further relevant information available.

Bioaccumulation Potential: No further relevant information available.

Mobility in Soil: Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system. Must not reach bodies of water or drainage ditch undiluted or un-neutralized.

Other Adverse Effects: No further relevant information available.

SECTION XIII. DISPOSAL CONSIDERATIONS

Recommendation: Do not allow undiluted or un-neutralized product to reach waterways or storm sewers. Dispose in compliance with local, state and federal regulations.

Recommended Cleansing Agent: Water.

Additional Information: Refer to Section VIII

SECTION XIV. TRANSPORT INFORMATION

UN-Number:	1760
UN Proper Shipping Name:	Hydrochloric Acid
Transport Hazard Class:	8 Corrosive substances
Packing Group:	III
Environmental Hazards:	None—Not a marine pollutant
Additional Information:	ORM-D Ground Transportation Only for containers. 5L or less
Special Precautions for User:	Warning. Corrosive Substances



SECTION XV. OTHER REGULATORY INFORMATION

NFPA Ratings (Scale 0-4)



Health: 1

Fire: 1*

Reactivity: 2

*Material is nonflammable however reactions may liberate flammable hydrogen gas

SECTION XVI. OTHER INFORMATION

Last Updated: 6/28/2020

NOTE: The information and recommendations contained herein are based upon data believed to be correct. However, no guarantee or warranty of any kind, express or implied, is made with respect to the information contained herein. We accept no responsibility and disclaim all liability for any harmful effects which may be caused by exposure to our products. End of SDS.