

MATERIAL SAFETY DATA SHEET
REVISED August 2012

PIRANHA WATER PRODUCTS – De-scaling Gel

12811 Rock Falls Way
Houston, TX 77041
Phone 281 687-4995

Product Information

Trade Names:	Piranha Water Products – Piranha De-scaling Gel
Formula:	Proprietary, Confidentiality required
Chemical Family:	Mineral Acid
Chemical Formula:	HCL Mixture

Hazardous Ingredients

Material or Component:	Weight 16.25%
	OSHA TWA 5ppm
	ACGIH TLV 5ppm (air)
	CAS No. 7647-01-0
	Other limits recommended IDLH 100 ppm

DOT/IATA: Domestic USA: UN1789, Hydrochloric Acid, 8, PG II
International: UN3264, Hydrochloric Acid, 8, PG II
NMFC: 44155 Class 85

Physical Data

Boiling Point:	Will not boil, simply degrades
Solubility in water:	Complete
Specific Gravity, (Water = 1):	1.2
Vapor Pressure (mm Hg.):	4 ATM @ 17.8 C
Vapor Density, (Air=1)	1.26 Hydrogen Chloride
Appearance:	Colored/ Opaque Gel
Odor:	Irritating, pungent odor
pH:	Unreadable, generally <3
Evaporation Rate, (Butyl Acetate -1)	N/A
Physical State:	Gelled Liquid

Fire and Explosion Hazard Data

Flash Point:	>200°C
Flammability:	N/A
Extinguishing Media	Dry Chemical, CO ₂
Special Fire Fighting Procedures:	None
Unusual Fire and Explosion Hazards:	<i>Under disaster conditions, HCL will react with water or steam to produce toxic and corrosive (Chloride) fumes.</i>

Reactivity Data

Stability:	Stable
Conditions to avoid:	Poor ventilation, contamination/alkali or active metals
Incompatibilities:	Strong oxidizers, caustics, fabrics, carpet, contact with metals & marble
Hazardous Decomposition:	None
Hazardous Polymerization:	Will not occur

Health Hazard Data

8/11/2012

Routes of entry:	Inhalation? – Possible Skin? – Possible Ingestion? –
Health Hazards (Acute/Chronic):	Burning of mucous membranes on contact. May burn skin. Coughing/choking if acid fumes are inhaled.
Carcinogenicity:	None
Signs/symptoms of exposure:	Burning sensation from exposed areas
Medical Conditions Generally Aggravated by Exposure:	Respiratory distress possible in poorly ventilated areas.

Spill and Disposal Procedures

Action to take for spills:	Flush to sewer with large amounts of water
Disposal method:	Expended or used material may be disposed of down sewer with water flush. Follow all Local, State, Federal chemical disposal regulations.
Precautions to take in Handling/Storage:	Avoid rupturing of containers, do not store in area subject to high temperatures. Store out of direct sunlight.
Other precautions:	KEEP OUT OF REACH OF CHILDREN

Special Handling Information

Ventilation:	Local exhaust required if used in confined area
Respiratory:	Half face respirator with acid mist cartridge if used in poorly ventilated area
Protective gloves:	Yes, PVC or neoprene gloves
Eye protection:	Yes – Chemical splash goggles
Other protective equipment:	long sleeve shirt/pants or other protective clothing.
Work/Hygienic Practices:	Use appropriate amounts, avoid physical contact

FOR ADDITIONAL INFORMATION, PLEASE REVIEW THE PIRANHA DESCALLING GEL SPECIFICATIONS OR CONTACT 281 687-4995.

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