SAFETY DATA SHEET

1. IDENTIFICATION

Product Identifier
Product Name Descaler

Recommended use of the chemical and restrictions on use
Recommended use Acid cleaner
Restrictions on use For industrial or institutional use only
Supplier details

West Penetone Inc.
10900 Secant
Montreal, QC,
H1J 5S1
Tel: 514-355-4660

Emergency Telephone Number
West Penetone Inc: (514) 355-4660 8h-17h Monday to Friday
Poison Control Center (Emergency, 24 H): 1-844-POISON-X or 1-844-764-7669

2. HAZARDS IDENTIFICATION

Classification

Skin Corrosion/Irritation	Category 1
Eye damage/Irritation	Category 1
Acute oral toxicity	Category 4
Specific Target organ Toxicity	Category 3
Corrosive to metals	Category 1

Label Elements

DANGER

Hazard Statements
Causes severe skin burns and eye damage.
May be corrosive to metals.
Harmful if swallowed.
May cause respiratory irritation.

Precautionary Statements - Prevention
Do not breathe dust/fume/gas/mist/vapors/spray. Use only outdoors or in a well ventilated area.
Wash face, hands and any exposed skin thoroughly after handling. Do not eat, drink or smoke when using this product.
Wear protective gloves/protective clothing/eye protection/face protection.
Keep only in original packaging.

Precautionary Statements - Response
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
Immediately call a POISON CENTER or doctor/physician.
IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
Wash contaminated clothing before reuse.
IF INHALED: Remove person to fresh air and keep comfortable for breathing.
Immediately call a POISON CENTER or doctor/physician.
IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTER or doctor/physician.
Absorb spillage to prevent material damage.

Precautionary Statements - Storage
Store locked up. Store in a well ventilated place. Keep container tightly closed.

Precautionary Statements - Disposal
Dispose of contents/container to an approved waste disposal plant according to local, provincial/federal regulations.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	CAS-No	Weight %
Hydrochloric acid	7647-01-0	31-37

4. FIRST AID MEASURES

Eye contact Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/physician

Skin contact Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse

Inhalation Remove victim to fresh air and keep at rest in a position comfortable for breathing Immediately call a POISON CENTER or doctor/physician.

Ingestion Do not induce vomiting. Drink 1 or 2 glasses of water. Call a physician or Poison Control Centre immediately. Never give anything by mouth to an unconscious person.

Most important symptoms and effects, both acute and delayed

Causes burns to eyes, skin and mucous membranes. Symptoms include tingling sensation and / or reddening of tissues.

Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

5. FIRE-FIGHTING MEASURES

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

Unsuitable Extinguishing Media
None

Specific hazards arising from the chemical
The product causes burns of eyes, skin and mucous membranes.

Protective Equipment and Precautions for Firefighters
As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures
Avoid contact with skin, eyes and clothing. Use personal protective equipment.

Environmental Precautions
Prevent further leakage or spillage if safe to do so.

Methods and material for containment and cleaning up
Soak up with inert absorbent material. Keep in suitable, closed containers for disposal.

7. HANDLING AND STORAGE

Precautions for Safe Handling

Handling Avoid contact with skin, eyes and clothing.

Conditions for safe storage, including any incompatibilities

Storage Keep containers tightly closed in a dry, cool and well-ventilated place.

Incompatible Materials Bases, light metals, bleach.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Control parameters

Chemical Name	ACGIH TLV
Hydrochloric acid 7647-01-0	Ceiling: 2 ppm

Appropriate engineering controls

Engineering Controls Ensure adequate ventilation, especially in confined areas.

Individual protection measures, such as personal protective equipment

Eye/face Protection Splash proof goggles or face shield.

Skin and body protection Wear rubber or neoprene gloves, rubber apron and boots.

Respiratory Protection If exposure limits are exceeded or if ventilation is inadequate, NIOSH/MSHA approved respiratory protection for acid fumes should be worn.

General Hygiene Considerations Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE :
Clear, amber liquid
ODOR
Pungent acid
ODOR THRESHOLD :
0.3 ppm

VAPOR PRESSURE, mm Hg AT 20ºC :
84
VAPOR DENSITY (Air = 1) :
1.267
RELATIVE DENSITY AT 20ºC:
1.19

pH :
< 1
MELTING POINT / FREEZING POINT :
-30ºC
BOILING POINT/BOILING RANGE :
83 ºC
FLASH POINT :
None
EVAPORATION RATE, water = 1 :
1
FLAMMABILITY (SOLID, GAS):
Not applicable

SOLUBILITY IN WATER :
Complete
PARTITION COEFFICIENT, N-OCTANOL/WATER :
Not available
AUTO-IGNITION TEMPERATURE :
None
DECOMPOSITION TEMPERATURE:
Not available
VISCOSITY:
<10 cps
FLAMMABLE LIMITS :
UPPER: Not applicable **LOWER :** Not applicable

10. STABILITY AND REACTIVITY

Reactivity
Not reactive.

Possibility of hazardous reactions
Will generate chlorine gas when mixed with chlorinated products.

Incompatible Materials
Chlorinated products, bases, soft metals

Chemical Stability
Stable under normal conditions.

Conditions to Avoid
Store away from incompatible materials.

Hazardous decomposition products
Hydrogen chloride.

11. TOXICOLOGICAL INFORMATION

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Hydrochloric acid 7647-01-0	700 mg/kg (Rat)	5010 mg/kg (rabbit)	1560 ppm (Rat) 4 hours

Information on likely sources of exposure

Serious eye damage/irritation Corrosive to eyes and may cause grave lesions, including blindness.
Skin corrosion/irritation Corrosive to skin.
Ingestion Ingestion may cause burns to the digestive and respiratory tract.
Inhalation Spray mist may cause irritation or burns to respiratory tract.

Delayed and immediate effects and also chronic effects from short and long-term exposure

Respiratory or skin sensitization Not a sensitizer.
Germ cell mutagenicity None known.
Carcinogenicity No listed human carcinogens.
Reproductive toxicity None known.
STOT - single exposure Respiratory tract irritation.
STOT-repeated exposure None known.
Aspiration Hazard None known.

Symptoms related to the physical, chemical and toxicological characteristics

Symptoms include tingling sensation and / or reddening of tissues, eventually leading to burn lesions.

12. ECOLOGICAL INFORMATION

Ecotoxicity

Chemical Name	Fish	Waterflea
Hydrochloric acid	282 mg/L LC50: 96 h Gambusia affinis	No data available

Persistence and degradability
Not biodegradable.

Bioaccumulative potential
No information available.

Mobility in soil
No information available

Other adverse effects
None

13. DISPOSAL CONSIDERATIONS

Waste Disposal Method Dispose of in accordance with local regulations.

Contaminated Packaging Empty containers should be taken for local recycling, recovery or waste disposal.

14. TRANSPORT INFORMATION

TDG classification

UN3264, CORROSIVE LIQUID ACIDIC, INORGANIC N.O.S. (HYDROCHLORIC ACID) CLASS 8, P.G. II

15. REGULATORY INFORMATION

All ingredients are listed on the DSL

16. OTHER INFORMATION

Preparation Date January 2, 2017
Revision Date July 1, 2025
Revision Note Updated emergency telephone number

Disclaimer
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End of SDS