

SAFETY DATA SHEET

DESCALER

SECTION 1: PRODUCT & COMPANY IDENTIFICATION

DATE: 03/04/2015 / Supersedes Revision: n/a

Manufacturer:

PDQ Manufacturing, Inc.
201 Victory Circle
Ellijay, GA USA 30540
Phone: (706) 636-1848
Website: www.pdqonline.com

Distributor:

PROCLEAN SYSTEMS/SWISHER HYGIENE
P. O. BOX 472528
CHARLOTTE, NC 28247
800/338-8652

EMERGENCY CONTACT: Chemtrec, Reference CCN203605
Phone: (800) 424-9300 (collect calls accepted) / International: (703) 527-3887

Product Name: DESCALER

ID Code: 4503

Product Category: Acidic Detergent

SECTION 2: HAZARD(S) IDENTIFICATION

Skin Corrosion/Irritation, Category 1C
Serious Eye Damage/Eye Irritation, Category 2A



GHS Signal Word: DANGER

GHS Hazard Phrases:

H314 - Causes severe skin burns and eye damage.
H319 - Causes serious eye irritation.

GHS Precaution Phrases:

P260 - Do not breathe dust/fume/gas/mist/vapours/spray.
P264 - Wash hands thoroughly after handling.
P280 - Wear protective gloves/protective clothing/eye protection/face protection.

GHS Response Phrases:

P301+330+331 - IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P303+361+353 - IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower.
P304+340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P305+351+338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a poison control center or physician for treatment advice. Have product container or label with you when calling poison control center or physician.
P310 - Immediately call a POISON CENTER or doctor/physician.
P337+313 - If eye irritation persists, get medical advice/attention.
P363 - Wash contaminated clothing before reuse.

GHS Storage and Disposal Phrases:

P405 - Store locked up.
P501 - Unused product is not a RCRA Hazardous waste. However, contaminated product and wastes may be RCRA hazardous. Users are advised to determine the appropriate disposal method based on local, state and federal regulations and comply with those regulations.

Hazard Rating System:

HMIS

Health: 2

Flammability: 0

Physical: 2

PPE: B

Potential Health Effects (Acute and Chronic): Hazards not otherwise classified (HNOC) or not covered by GHS.
Chronic: None.

Inhalation: No hazard expected in normal industrial use.

Skin Contact: Non-irritating to the skin.

Eye Contact: Non-irritating to the eyes.

Ingestion: No hazard expected in normal industrial use.

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SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

CAS #	Hazardous Components (Chemical Name)	Concentration
7647-01-0	Hydrochloric acid {Hydrogen chloride}	5.0 -15.0 %

SECTION 4: FIRST-AID MEASURES

Emergency and First Aid Procedures: Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.

In Case of Inhalation: If breathed in, move person into fresh air. Consult a physician.

In Case of Skin Contact: Wash off with soap and plenty of water. Consult a physician.

In Case of Eye Contact: Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician. Continue rinsing eyes during transport to hospital.

In Case of Ingestion: Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

Signs and Symptoms Of Exposure: The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11

Note to Physician: None known.

SECTION 5: FIRE-FIGHTING MEASURES

Flash Point: NP

Explosive Limits: LEL: UEL:

Autoignition Pt: NP

Suitable Extinguishing Media: Use water spray, dry chemical, carbon dioxide, or alcohol-resistant foam.

Fire Fighting Instructions: Wear self contained breathing apparatus for fire fighting if necessary. Further information. As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. Material will not burn.

Flammable Properties and Hazards:

SECTION 6: ACCIDENTAL RELEASE MEASURES

Protective Precautions, Protective Equipment and Emergency Procedures: Use personal protective equipment. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. For personal protection see section 8.

Environmental Precautions: Do not let product enter drains.

Steps To Be Taken In Case Material Is Released Or Spilled: Soak up with inert absorbent material and dispose of as hazardous waste. Keep in suitable, closed containers for disposal. Use proper personal protective equipment as indicated in Section 8. Spills/Leaks: Absorb spill with inert material (e.g. vermiculite, sand or earth), then place in suitable container.

SECTION 7: HANDLING AND STORAGE

Precautions To Be Taken in Handling: Avoid contact with skin and eyes. Avoid inhalation of vapor or mist. For precautions see section 2. No special handling procedures are required.

Precautions To Be Taken in Storing: Keep container tightly closed in a dry and well-ventilated place. Handle and open container with care.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

CAS #	Partial Chemical Name	OSHA TWA	ACGIH TWA	Other Limits
7647-01-0	Hydrochloric acid {Hydrogen chloride}	CEIL: 5 ppm	CEIL: 2 ppm)	

Respiratory Equipment (Specify Type): Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multi- purpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Eye Protection: Safety glasses with side-shields conforming to EN166.

Protective Gloves: Wear appropriate protective gloves to prevent skin exposure.

Other Protective Clothing: Impervious clothing.

Engineering Controls (Ventilation etc.): There are no special ventilation requirements.

Work/Hygienic/Maintenance Practices: Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

Environmental Exposure Controls: Do not let product enter drains.

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SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Physical States: [] Gas [X] Liquid [] Solid
Appearance and Odor: Clear dark purple liquid
Acidic sweet odor.
Melting Point: NA
Boiling Point: -100.00 C
Autoignition Pt: NP
Flash Pt: NP
Explosive Limits: LEL: UEL:

Specific Gravity (Water = 1): ~ 1.1
Vapor Pressure (vs. Air or mm Hg):
Vapor Density (vs. Air = 1):
Evaporation Rate:
Solubility in Water: Complete
Viscosity: thin
pH: <2
Percent Volatile:

SECTION 10: STABILITY AND REACTIVITY

Stability: Unstable [] Stable [X]
Conditions To Avoid - Instability:
Incompatibility – Materials To Avoid: Strong bases, Chlorine Bleach.
Hazardous Decomposition Or Byproducts: Hydrogen chloride gas.
Possibility of Hazardous Reactions: Will occur [] Will not occur [X]
Conditions To Avoid -Hazardous Reactions:

SECTION 11: TOXICOLOGICAL INFORMATION

Toxicological Information: Germ cell mutagenicity. No data available. Reproductive toxicity. Aspiration hazard: pidemiology: Teratogenicity: No data available. Reproductive Effects: Neurotoxicity: Other Studies:
Chronic Toxicological Effects: Specific target organ toxicity - single exposure: No data available.
Carcinogenicity/Other Information: IARC: 3 -Group 3: Not classifiable as to its carcinogenicity to humans. NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP. OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA. CAS# 7732-18-5: Not listed by ACGIH, IARC, NTP, or CA Prop 65.

CAS #	Hazardous Components (Chemical Name)	NTP	IARC	ACGIH	OSHA
7647-01-0	Hydrochloric acid {Hydrogen chloride}	n.a.	3	A4	n.a.

SECTION 12: ECOLOGICAL INFORMATION

Results of PBT and vPvB assessment: PBT/vPvB assessment not available as chemical safety assessment not required/not conducted.

SECTION 13: DISPOSAL CONSIDERATIONS

Waste Disposal Method: Product. Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber. Contaminated packaging. Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR Parts 261. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification. RCRA P-Series: None listed. RCRA U-Series: None listed.

SECTION 14: TRANSPORTATION INFORMATION (DOT/UN CLASSIFICATION)

LAND TRANSPORT (US DOT):
DOT Proper Shipping Name: Corrosive liquid, acidic, inorganic, n.o.s. (contains hydrochloric acid)
DOT Hazard Class: 8 CORROSIVE
UN/NA Number: UN3264
Packing Group: II



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SECTION 15: REGULATORY INFORMATION

EPA SARA (Superfund Amendments and Reauthorization Act of 1986) Lists

CAS #	Hazardous Components (Chemical Name)	S. 302 (EHS)	S. 304 RQ	S. 313 (TRI)
7647-01-0	Hydrochloric acid {Hydrogen chloride}	Yes 500 LB	Yes 5000 LB	Yes

CAS #	Hazardous Components (Chemical Name)	Other US EPA or State Lists
7647-01-0	Hydrochloric acid {Hydrogen chloride}	CAA HAP,ODC: HAP; CWA NPDES: No; TSCA: Yes - Inventory, 4 Test; CA PROP.65: No

SECTION 16: OTHER INFORMATION

Revision Date: 03/04/2015

Preparer Name: Regulatory Affairs

Additional Information About This Product:

Company Policy or Disclaimer: The information contained in this Safety Data Sheet is provided pursuant to current OSHA regulations to convey information concerning the hazardous nature of the named product. The information supplied was compiled from the most reliable sources available at the time of preparation and in light of the most reasonable foreseeable exposure situations expected from the intended use of this product. The material(s) may present greater or lesser hazard exposure under other circumstances that are beyond the control of the manufacturer. Therefore it is imperative that all directions and warnings on the product label be read and closely followed.