

Material Safety Data Sheet

Manufacturer:

PDQ Manufacturing, Inc.
71 Merk Davis Street
Ellijay, Georgia 30540
Phone: (706) 636-1848
Chemical Emergency: (800) 552-3787

Distributed by:

ProClean Systems, Inc.
102 Queens Drive
King of Prussia, PA 19406
Phone: (610) 337-4300
Toll Free: (800) 338-8652

Product Name: **Descaler**

ID Code: **PC204**

Prepared By: W. Drost, Jr.

Date: January 01, 2003

CHEMICAL FAMILY: Acidic Detergent

FORMULA: Proprietary

HAZARDOUS INGREDIENTS (CAS #):

	%	Exposure Limits, ppm	
		ACGIH TLV	OSHA-PEL
Hydrochloric Acid (7647-01-0) (Muriatic Acid)	<45	7	7

SARA TITLE III, SECTION 313 REPORTABLE INGREDIENTS(CAS#):

Hydrochloric Acid (7647-01-0) <45%
Carcinogenic Ingredients: Contains no known or suspected carcinogens.

PHYSICAL PROPERTIES:

Boiling Point: 212°F. % Volatile: 100.
Solubility in Water: Complete. Vapor Pressure: Same as water.
Specific Gravity: Liquid (H₂O = 1): 1.1. Vapor Density (Air = 1): N/A.
Appearance and Odor: Clear, deep purple liquid with choking odor.

FIRE AND EXPLOSION DATA:

Flash Point: None.
Flammability Limits: N/A.
Extinguishing Media: Water, CO₂, foam, dry chemical.
Special Fire Fighting Procedures: Cool drums with water mist. Hydrogen chloride gas emitted when this product subjected to high temperatures.
Unusual Hazards: None.

HEALTH EFFECTS:

Threshold Limit Value: Not determined for this product.

Primary routes of entry: Eye and skin contact.

Effects of overexposure:

Skin Contact: Skin contact can produce skin irritation and burns.
Ingestion: If swallowed, call a physician immediately. Do not induce vomiting unless instructed by a physician. See note in First Aid.
Eye Contact: Eye contact can produce burning and irritation.
Inhalation: Inhalation of mist or vapor can produce respiratory tract irritation.

Chronic effects of overexposure:

None known or expected.

Medical conditions that may be aggravated by exposure:

None known or expected.

EMERGENCY AND FIRST AID PROCEDURES:

Eye Contact: In case of eye contact, immediately flush with clear water for at least 15 minutes lifting eye lids periodically. Rinse eyes with a boric acid solution. Get medical attention immediately.

Skin Contact: Flush with clear water for at least 15 minutes. Then wash with a mild soap followed with a moisturizing cream. If irritation results and persists, get medical attention.

Ingestion: If ingested, if conscious, administer large quantities of water, follow with milk of magnesia, milk, or olive oil. Do not induce vomiting. Do not administer anything by mouth to a person that is unconscious. GET MEDICAL ATTENTION IMMEDIATELY. Note: The decision of whether to induce vomiting or not should be made by a physician.

Inhalation: Remove victim to fresh air. If breathing does not return to normal within a few minutes, get medical attention.

REACTIVITY DATA:

Stability: Stable.

Hazardous Polymerization: Will not occur.

Incompatibility: Strong alkali. Contact with metals may produce explosive hydrogen gas.

Hazardous Decomposition Products: None

Conditions to Avoid: None

SPILL OR LEAKAGE PROCEDURES:

Steps to be taken if material is released or spilled: Stop spill at source. Ventilate area. Floors may become slippery, avoid falls. For large spills, pump liquid into salvage tank. For smaller spills, absorb on sand, earth or other suitable absorbent. Disposal must be in accordance with local, state and federal regulations.

SPECIAL PROTECTION INFORMATION:

Ventilation: No special ventilation required.

Respiration Protection: None required under normal use.

Eye Protection: Wear when transferring this product.

Protective Gloves: Wear when transferring this product.

Other Protective Equipment: Wear protective apron when transferring this product.

SPECIAL PRECAUTIONS:

Precautions to be taken in handling and storage: Store in closed container in a dry place. Wash thoroughly after handling.

KEEP OUT OF REACH OF CHILDREN.

Other precautions: None.

HAZARD RATING:

Health:	2	0 = Minimal	3 = Serious
Fire:	0	1 = Slight	4 = Severe
Reactivity:	2	2 = Moderate	
Specific Hazard:	Corrosive.		

SHIPPING INFORMATION (DOT/UN Classification)

Corrosive Liquid, Acidic, Inorganic, N.O.S., (Hydrochloric Acid), 8, UN 3264, II.

Disclaimer: The information contained in this Material Safety Data Sheet is provided pursuant to 29CFR 1910.1200 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.