Section 1 - Identification

Product Name:	CPL 4500
Alternate Name:	Inhibited Descaler 36% HCl
Recommended Use:	Descaling
Manufacturer:	Chem Pro Laboratory, Inc., 941 W 190th St, Gardena CA 90248, 310-532-8611
ChemTrec:	800-424-9300 (Transportation Spill Response 24 hours)

Section 2 - Hazard(s) identification

Classification of the chemical in accordance with paragraph (d) of §1910.1200;

DANGER

Harmful if swallowed
May cause an allergic skin reaction
Causes severe skin burns and serious eye damage
Avoid breathing dust/fume/gas/mist/vapors/spray.
Contaminated work clothing must not be allowed out of the workplace.
Do not breathe dusts or mists.
Do not eat, drink or smoke when using this product.
Wash contacted areas thoroughly after handling.
Wear eye and face protection, protective gloves and clothing, and protective gloves.
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.
IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a poison center or doctor.
IF ON SKIN (or hair): Take off immediately all contaminated clothing. Wash skin with plenty of water. Wash contaminated clothing before reuse.
IF ON SKIN: Wash with plenty of water.
IF SKIN IRRITATION OR RASH OCCURS: Get medical advice/attention.
IF SWALLOWED: Immediately call a poison center or doctor. Rinse mouth. Do NOT induce vomiting.
Store locked up.
Dispose of contents/container in accordance with federal, state, and local regulations.

Section 3 - Composition/information on ingredients

Chemical Name	CAS Number	Percent
hydrochloric acid	7647-01-1	30-40%
amines, polyethylenepoly-, reaction products with benzyl chloride	68603-67-8	<1%
hexamethylenetetraamine	100-97-0	<1%
polyethoxylated(15)cocamine	61791-14-8	<1%

Section 4 - First-aid measures

Emergency and First Aid Procedures:

Inhalation	Remove to fresh air. Give artificial respiration if not breathing. Get medical attention immediately.
Eye Contact	Immediately flush eyes with lots of running water for 15 minutes, lifting the upper and lower eyelids occasionally. Get medical attention immediately.
Skin Contact	Immediately flush with plenty of water. Remove contaminated clothing . Get medical attention.
Ingestion	Do not induce vomiting. If conscious, give lots of water. Get immediate medical attention.
Symptoms of Overexposure:	
Inhalation	Vapor and mist are extremely corrosive to the nose, throat, and mucous membranes.
Contact with Skin or Eyes	Contact with vapor, liquid and mists are extremely corrosive and can cause severe burns to eyes and skin.
Absorption Through Skin	Not absorbed but contact will burn and destroy skin and surrounding tissue.
Ingestion	Corrosive to mouth, throat, and system: swallowing the liquid burns the tissues, causes severe abdominal pain, nausea and death.

Section 5 - Fire-fighting measures

Extinguishing Media	water spray, carbon dioxide, dry chemical, or appropriate foam
Fire Fighting Procedure	Fire fighters should wear self contained breathing apparatus.
Unusual Fire/Explosion Hazard	Hydrochloric acid gas can be released during a fire. Hydrochloric acid reacts with steel and common metals to produce hydrogen gas which can be a fire and explosion hazard.
Hazardous Combustion Products	Substance is noncombustible

Section 6 - Accidental release measures

Spill Response Procedure	Avoid breathing vapors. Use plastic equipment, pails, etc. Small quantities may be flushed with copious quantities of water; in case if large amounts, neutralization of waste will be necessary.

Section 7 - Handling and storage

Handling Precautions	Store in cool dry place. Vapors will rust metals. Vent container carefully, as needed, to release pressure. Keep container tightly closed when not in use. Wash thoroughly after handling. Do not get in eyes, on skin or on clothing. Corrosive.
Storage Conditions	Store in a cool dry place. Keep container tightly sealed in a dry and ventilated area. Do not store unopened containers in direct sunlight for extended periods.

Section 8 - Exposure controls/personal protection

Chemical Name	**OSHA PEL**	**ACGIH TLV**
hydrochloric acid	5 ppm (C), 7 mg/m3 TWA	2 ppm (C)
amines, polyethylenepoly-, reaction products with benzyl chloride	not listed	not listed
hexamethylenetetraamine	not listed	not listed
polyethoxylated(15)cocamine	not listed	not listed

Ventilation	Local and mechanical (general) exhaust required.
Respiratory Protection	Respirator approved for hydrochloric acid.
Protective Gloves	Rubber or plastic gloves.
Eye Protection	Chemical safety goggles or face shield.

Other Protective Equipment Other rubber or plastic aprons, coats etc.

Work / Hygenic Practices Eye wash and safety shower should be nearby and ready for use.

Section 9 - Physical and chemical properties

Appearance	Colorless to pale yellow.	**Vapor Pressure @20°C**	Approx. 24 mm Hg
Odor	Pungent, irritating odor	**Vapor Density**	N/A
Odor Threshold	Not Determined	**Specific Gravity**	1.1-1.2
pH	<1	**Solubility in Water**	100%
Melting Point, °F	N/A	**Partition Coefficient**	Not Determined
Boiling Point, °F	215 deg F	**Auto Ignition Temp, °F**	N/A
Flash Point, °F	Not Flammable	**Decomposition Temp, °F**	Not Determined
Evaporation Rate	>1	**Viscosity**	Not Determined
Flammability Limits	N/A	**Percent Volatile**	100%

Section 10 - Stability and reactivity

Reactivity in water: Always add acid to water.

Stability stable under normal conditions

Conditions to Avoid Alkalis, oxidizing or reducing materials, cyanides, sulfides, or combustible materials.

Incompatible Materials Strong oxidizers. Strong Alkali.

Hazardous Decomposition Products May liberate hydrogen chloride.

Hazardous Polymerization Hazardous polymerization will not occur.

Section 11 - Toxicological information

Routes of Entry inhalation, skin or eye contact, ingestion

Acute Exposure Symptoms Causes severe burns.

Chronic Exposure Effects N/A

Medical Conditions Aggravated By Exposure Not Known.

Acute Toxicity:

Chemical Name	CAS Number	Oral LD50	Dermal LD50	Inhalation LC50
hydrochloric acid	7647-01-1	900 mg/kg	no data	3124 mg/L
amines, polyethylenepoly-, reaction products with benzyl chloride	68603-67-8	no data	no data	no data
hexamethylenetetraamine	100-97-0	569 mg/kg	no data	no data
polyethoxylated(15)cocamine	61791-14-8	no data	no data	no data

Carcinogenicity:

Ingredients are on the following lists of suspected or known carcinogens:

Chemical Name	CAS Number:	IARC	NTP	OSHA
hydrochloric acid	7647-01-1	No	No	No
amines, polyethylenepoly-, reaction products with benzyl chloride	68603-67-8	No	No	No
hexamethylenetetraamine	100-97-0	No	No	No
polyethoxylated(15)cocamine	61791-14-8	No	No	No

Section 12 - Ecological information

Overview: No data

Section 13 - Disposal considerations

Preparing Waste For Disposal Neutralize with alkaline materials and flush to sewer with plenty of water if allowed under current laws or local regulations.

Section 14 - Transport information

DOT Shipping UN1789, HYDROCHLORIC ACID, SOLUTION, 8, PG II

Section 15 - Regulatory information

California Proposition 65 This product does not contain chemicals listed by California proposition 65.

HMIS Ratings Health: 3, Flammability: 0, Reactivity: 0

Section 16 - Other information

Date Prepared 6/20/2017 (revised)

Preparer Michael Bortnik

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