



Section 1 - Identification

Product Name: CPL 4500NF
Alternate Name: Inhibited Descaler Nonfuming 16% 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



Causes severe skin burns and serious eye damage

Do not breathe dusts or mists.

Wash contacted areas thoroughly after handling.

Wear eye and face protection, and protective gloves and clothing.

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 SWALLOWED: 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	10-20%
amines, polyethylenepoly-, reaction products with benzyl chloride	68603-67-8	<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 immediate medical attention

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 medical attention immediately.

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.
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Section 7 - Handling and storage

Handling Precautions	No special handling procedures are required.
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/m ³ TWA	2 ppm (C)
amines, polyethylenepoly-, reaction products with benzyl chloride	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 / Hygienic Practices	Handle in accordance with good industrial hygiene and safety practices.	

Section 9 - Physical and chemical properties

Appearance	Colorless to pale yellow	Vapor Pressure @20°C	N/A
Odor	pungent, irritating odor	Vapor Density	N/A
Odor Threshold	Not Determined	Specific Gravity	1.06
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	Non Flammable



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	N/A
Chronic Exposure Effects	N/A
Medical Conditions Aggravated By Exposure	None 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

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

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: 0, Flammability: 0, Reactivity: 0

Section 16 - Other information

Date Prepared 5/22/2015

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