

MATERIAL SAFETY DATA SHEET

PAGE #: 1 OF 4

PRODUCT NAME: CL-120

MSDS NUMBER: 41702CL120

PRODUCT CODE: CLEANER

MSDS DATE: 4/17/02

KEY NUMBER: CL-120

EMERGENCY PHONE #'s: 800-255-3924 (CHEMTEL)



Advanced Chemical Technology, Inc.

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Web: <http://www.actglobal.net> Email: act@actglobal.net

HEALTH	3	Extreme Danger
FIRE	0	Will Not Burn
REACTIVITY	0	Stable
SPECIFIC		-

1. IDENTIFICATION

See Addendum: Ref. PAGE:

Chemical Name: CL-120

Chemical Family: ORGANIC ACIDS

CAS #: 7647-01-0

Chemical Formula: HCL

CAS Name: Hydrochloric Acid, Mixture

Molecular Weight: 36.46064

Synonyms / Common Name: Inhibited Muriatic Acid

DOT Information: CORROSIVE, CLASS 8

2. PHYSICAL DATA

See Addendum: Ref. PAGE:

Appearance: Reddish Brown Liquid

Color: Reddish Brown

State: Liquid

Odor Characteristics: Pungent

pH: < 1

Viscosity: NE

Specific Gravity (Water = 1): 1.16

Vapor Density (Air = 1): NA

Vapor Pressure: 25 mm Hg

Melting Point: NA

Boiling Point: 178 F

Flash Point: NA

Freezing Point: NE

Percent Volatility: NE

Evaporation Rate (BAc = 1): NA

Solubility in Water: Complete

Solubility in Oil: ND

Solubility in Acetone: ND

3. INGREDIENTS

See Addendum: Ref. PAGE:

Material / Components	CAS #:	CAS Name	TLV Units	Approx. %
Hydrochloric Acid (< 35%)	7647-01-0	Hydrochloric Acid	5 ppm	30-34%

4. FIRE AND EXPLOSION HAZARD DATA

See Addendum: Ref. PAGE:

Flash Point: NA

Flammable Limits in Air % by volume: Lower NA
Upper NA

Extinguishing Media: Water spray, foam, carbon dioxide, dry chemical

Special Fire Fighting Procedures: Use self-contained breathing apparatus and full protective equipment. Water solutions of hydrochloric acid are strongly acidic.

Unusual Fire & Explosion Hazards: May react with active metals to produce flammable hydrogen.

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5. HEALTH HAZARD DATA See Addendum:

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Threshold Limit Value: ACGIT TLV: 5 ppm, OSHA TWA: 5 ppm**Effects of Overexposure:****Inhalation:** Severe irritant to mucous membranes and respiratory system.**Skin Contact:** Will cause corrosive action on contact with skin. Severe burns to tissue may result.**Eye Contact:** Severe burns and possible eye damage may occur.**Ingestion:** Severe irritation and burns to mucous membranes and digestive tract.**Delayed Effects:** Not Known**Medical Conditions Aggravated by Exposure:** Not Known**6. FIRST AID MEASURES** See Addendum:

PAGE #:

Inhalation: If breathing stops, give artificial respiration. Call a physician immediately.**Skin Contact:** Immediately wash skin with lots of soap and water. Remove contaminated clothing and shoes, wash before reuse. Get medical attention if irritation persists after washing.**Eye Contact:** Immediately flush the eyes with large quantities of running water for a minimum of 15 minutes. Obtain medical attention.**Ingestion:** Do not induce vomiting. If conscious, immediately give large quantities of water. Call a physician or the nearest Poison Control Center.**NOTES TO PHYSICIAN:** Treat Symptomatically**7. REACTIVITY DATA** See Addendum:

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Stability: Stable**Incompatibility:** Strong oxidizing agents, strong caustic, metals.
(materials to avoid)**Hazardous Combustion or Decomposition Products:** Hydrogen, Hydrogen chloride.**Hazardous Polymerization:** Will not occur.**Conditions to Avoid:** Warm, moist environments. Do not mix with other industrial chemicals.**8. SPILL OR LEAK PROCEDURES** See Addendum:

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Actions to take for Leaks & Spills: Wear self-contained breathing apparatus and full protective clothing. Stop leak if you can do so without risk. Neutralize spill and/or washings with soda ash or lime.**Waste Disposal Method:** Use D.O.T. approved containers for waste disposal. Dispose of all waste according to Federal, State, and Local regulations.



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9. SPECIAL PROTECTION INFORMATION

See Addendum:

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Respiratory Protection: NIOSH approved respirator (acid gas/organic vapor cartridge) in the absence of adequate environmental controls at the point of use.

Eye Protection: Chemical goggles and face shield.

Skin Protection: Rubber gloves.

Other Clothing: Rubber apron and protective clothes.

Other Equipment: Eye wash station

Engineering Controls: Normal

10. HANDLING AND STORAGE

See Addendum:

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Special Precautions: Keep in tightly closed container. Do not store or mix with cyanides, sulfides, chlorine, hypochlorous acid or hypochlorites.

Other Precautions: A safety shower should be nearby and ready for use.

11. REGULATORY INFORMATION

See Addendum:

Ref. PAGE: 4

Workplace Classification: White (Corrosive)

12. TOXICOLOGICAL INFORMATION

See Addendum:

Ref. PAGE:

Acute Data: NE

**Reproductive /
Teratology Data** NE

13. ECOLOGICAL INFORMATION

See Addendum:

Ref. PAGE:

Fate in the Environment: ND

14. DISPOSAL CONDITIONS

See Addendum:

Ref. PAGE:

Procedures: Dispose of all waste according to Federal, State, and Local regulations.

15. TRANSPORTATION INFORMATION

See Addendum:

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DOT Classification: Corrosive, Liquid, DOT, Class 8, UN 1789, PG II

Warning Labels: CORROSIVE



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ADDENDUM for Section - 11. REGULATORY INFORMATION - Ref. Pg. 3

RCRA Status: D002

CERCLA Status: Reportable quantity for Hydrochloric Acid: 5000 lbs.

SARA/Title III Section 304

EMERGENCY NOTIFICATION REPORTING: This product contains a Section 304 listed hazardous substance for emergency release notification.

Section 302 Emergency Planning Notification/Threshold Planning Quantities: NO

SARA/Title III Section 313 TOXIC CHEMICAL RELEASE REPORTING

This product contains a Section 313 listed toxic chemical subject to release reporting requirements.

TSCA Inventory Status: All chemical components are listed on TSCA inventory.

California Proposition 65 Status- This product does not contain chemicals currently on the California list of known carcinogens and/or reproductive toxins.

ADDENDUM for Section - Other Information

NA = Not Applicable

ND = Not Determined

NE = Not Established

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ADDENDUM for Section -