

# MATERIAL SAFETY DATA SHEET

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PRODUCT NAME: CL-130

MSDS NUMBER: 32102CL130

PRODUCT CODE: CLEANER

MSDS DATE: 3/21/02

KEY NUMBER: CL-130

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



## Advanced Chemical Technology, Inc.

10743 Edison Court • Rancho Cucamonga, CA 91730 USA

Ph: 1-800-527-9607 / Fax: 1-909-980-9366

Web: <http://www.actglobal.net> Email: [act@actglobal.net](mailto:act@actglobal.net)

<b>HEALTH</b>	<b>1</b>	Slightly Hazardous
<b>FIRE</b>	<b>0</b>	Will Not Burn
<b>REACTIVITY</b>	<b>0</b>	Stable
<b>SPECIFIC</b>		-

### 1. IDENTIFICATION

See Addendum: Ref. PAGE:

**Chemical Name:** CL-130

**Chemical Family:** ORGANIC ACIDS

**CAS #:** 5329-14-6

**Chemical Formula:** HSO<sub>3</sub>NH<sub>2</sub>

**CAS Name:** SULFAMIC ACID

**Molecular Weight:** 97

**Synonyms / Common Name:** Crystalline Sulfamic, Amidosulfonic acid, amidosulfuric acid

**DOT Information:** CORROSIVE, CLASS 8

### 2. PHYSICAL DATA

See Addendum: Ref. PAGE:

**Appearance:** Small granules or crystals

**Color:** White

**State:** Powder or crystals

**Odor Characteristics:** Odorless

**pH:** 1.18 in 1% aqueous solution

**Viscosity:** NE

**Specific Gravity (Water = 1):** 2.13

**Vapor Density (Air = 1):** Not Volatile

**Vapor Pressure:** Not Volatile

**Melting Point:** 401 F

**Boiling Point:** 760 mm Hg

**Flash Point:** NA

**Freezing Point:** NE

**Percent Volatility:** NA

**Evaporation Rate (BAc = 1):** Not Volatile

**Solubility in Water:** 17.5% by wt. @ 68F

**Solubility in Oil:** ND

**Solubility in Acetone:** ND

### 3. INGREDIENTS

See Addendum: Ref. PAGE:

Material / Components	CAS #:	CAS Name	TLV Units	Approx. %
Sulfamic Acid	5329-14-6	Sulfamic Acid	(LD50) 3160 mg/kg (Rat)	99.5

### 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 sulfamic acid are strongly acidic.

**Unusual Fire & Explosion Hazards:** May release sulfur dioxide, sulfur trioxide, and ammonia during a fire.

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**5. HEALTH HAZARD DATA** See Addendum:

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**Threshold Limit Value:** (LD50) 3160 mg/kg (Rat) GRAS under section 409, 21CFR 182.90 OSHA TWA: 5 ppm**Effects of Overexposure:****Inhalation:** Irritant to mucous membranes and respiratory system.**Skin Contact:** May cause corrosive action on contact with skin. May cause a more serious response if confined to the skin or if the skin is abraded. A single prolonged exposure is not likely to result in harmful quantities being absorbed.**Eye Contact:** Severe irritation to eyes, may cause burns.**Ingestion:** Irritant 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:** Nitrite, Nitrates, Chlorites and Sulfides.  
(materials to avoid)**Hazardous Combustion or Decomposition Products:** Decomposes with heat at 480F to release sulfur dioxide, sulfur trioxide, nitrogen, and ammonia gases.**Hazardous Polymerization:** Will not occur.**Conditions to Avoid:** Warm, moist environments.**8. SPILL OR LEAK PROCEDURES** See Addendum:

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**Actions to take for Leaks & Spills:** Promptly shovel up dry chemical into an empty container and cover. Flush spill area with water. Dissolve and neutralize with sodium carbonate if necessary.**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 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:

Ref. PAGE:

**Special Precautions:** Keep in tightly closed, dry container. Use only clean, dry utensil in handling, protect packages from damage. 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:

**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:

Ref. PAGE:

**DOT Classification:** Corrosive, Solid, DOT, Class 8, UN 2967, PG III

**Warning Labels:** CORROSIVE



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**ADDENDUM for Section - Other Information**

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 -**