

Date Prepared: 08/05/04
Supersedes: 04/05/02
Product Name: 1204 Acid Conditioner

1. Chemical Product and Company Information

Product Name: 1204 ACID CONDITIONER

ChemMasters
300 Edwards Street
Madison, Ohio 44057
440-428-2105

In Case of Emergency Contact:
CHEMTREC 800/424-9300

2. Composition / Information on Ingredients

Hazardous Components	CAS #	Exposure Limits		OTHER	% by Wt
		OSHA(PEL/TWA)	ACGIH(TLV/TWA)		
Hydrogen Chloride	7647-01-0	C5ppm	C5ppm	—	26%

3. Hazards Identification

WARNING: Corrosive Liquid
Causes eye, skin and lung irritation
Harmful if inhaled
Harmful if swallowed

Potential Health Hazards - Acute

Eye: Severe eye irritant. Liquid and mists can cause pain, tearing, possible swelling of the conjunctiva and corneal destruction.

Skin: Severe skin irritant. Can cause chemical burns and possible ulceration of the derma.

Inhalation: Irritating to mucous membranes of the nose, throat and lungs. Can cause coughing, choking, headache and dizziness.

Ingestion: May cause severe burning of the mouth, pharynx and abdomen. May be corrosive to the upper gastrointestinal tract, followed by vomiting.

Potential Health Effects - Chronic

Eyes, skin and respiratory tract are probable target organs. See Section 11 for further information.

Carcinogenicity:	NTP	IARC Monographs	OSHA Regulated
	NO	NO	NO

4. First Aid Measures

Eye: Immediately flush with large quantities of clean water, holding eyelids open. Seek medical attention.

Skin: Remove contaminated clothing. Flush skin with large quantities of water. Clean affected area(s) thoroughly with soap and water. Seek medical attention.

Inhalation: Remove to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Get medical attention.

Ingestion: Seek medical attention! Do NOT induce vomiting. Give large quantities of milk or water. If vomiting occurs spontaneously, keep head below hips to prevent aspiration of liquid into the lungs.

SEEK MEDICAL ATTENTION IF SYMPTOMS PERSIST

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5. Fire Fighting Measures

Flash Point (method used): NOT APPLICABLE
Flammable Limits (% volume in air): **Lower** = NOT APPLICABLE **Upper** = NOT APPLICABLE
Auto Ignition Temperature: No data available
Extinguishing Media: NOT APPLICABLE
Hazard Combustion Products: NOT APPLICABLE
Fire Fighting Instructions: NOT APPLICABLE

6. Accidental Release Measures

Spill: Absorb with inert material, then dispose of according to local EPA direction.

7. Handling and Storage

Handling: Use in well ventilated area. Provide local exhaust to keep TLV below acceptable limit.
Storage: Store containers tightly closed with adequate ventilation in a cool, dry area.

8. Exposure Controls / Personal Protection

Exposure Controls: Mechanical and local exhaust should be used for indoor use.
Personal Protection: Protective clothing, goggles, acid resistant gloves and a vapor respirator when TLV is exceeded.

9. Physical and Chemical Properties

Appearance: Thin blue liquid of low viscosity with characteristic acid odor
Odor: Acid
Boiling Point: 205°F/96°C
Melting Point: Not applicable
Vapor Pressure (mm/Hg): 30mm Hg@68°F/20°C
Vapor Density (Air = 1): >1
Solubility in Water: 100%
Specific Gravity (H₂O = 1): 1.14
Evaporation Rate (n-Butyl Acetate = 1): <1

10. Stability and Reactivity

Chemical Stability: Stable
Conditions to Avoid: Unventilated areas
Incompatibility (materials to avoid): Strong alkalis, metals, bleach
Hazardous Decomposition or By-products: Hydrogen or chlorine gas
Hazardous Polymerization: Will not occur

11. Toxicological Information

Components	Oral LD50 (rat)	Dermal LD50 (rabbit)	Inhalation LC50 (rat)
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12. Ecological Information

No data available

13. Disposal Considerations

Dispose of in accordance with all federal, state, and local regulations. If uncertain of local requirements, contact the proper environmental authorities for information on waste disposal in your area.

This material does not meet RCRA characteristic definition of ignitability, corrosivity or reactivity and is not listed in 40 CFR 261.33. The toxicity characteristic (TC) has not been evaluated by the Toxicity Characteristic Leaching procedure (TCLP).

14. Transportation Information

For U S National Shipments:

Shipping Description: Compounds, Cleaning Liquid (Hydrochloric Acid), 8, NA1760, II

For Air & International Shipments:

Shipping Description: Hydrochloric Acid Solution, 8, UN1789, II

Emergency Response Guide Number: 157

Hazard Class: Corrosive

15. Regulatory Information

OSHA: Corrosive

CERCLA Reportable Quantity: 110 U.S. gallons

SARA Title III:

Section 311/312 hazard categories: NOT APPLICABLE

Section 313 reportable ingredients:

Components	CAS #	Maximum %
Hydrochloric acid	7647-01-0	26%

16. Other Information

MSDS Status: Revised entire

Industrial Abbreviation Legend on page 4 of this MSDS.

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Industrial Abbreviation Legend

ACGIH	American Conference of Governmental Industrial Hygienists	mg/m ³	milligrams per cubic meter
CAA	Clean Air Act (EPA)	NIOSH	National Institute for Occupational Safety and Health
CERCLA	Comprehensive Environmental Response, Compensation & Liability Act of 1980 (Superfund) (EPA)	NTP	National Toxicology Program
CNS	Central Nervous System	OSHA	Occupational Safety and Health Administration
CWA	Clean Water Act (EPA)	PEL	Permissible Exposure Limit
DOT	Department of Transportation	ppm	parts per million
EPA	Environmental Protection Agency	RCRA	Resource Conservation and Recovery Act (EPA)
g/kg	grams per kilogram	SARA	EPA's Superfund Amendment and Reauthorization Act (EPA)
IARC	Internal Agency for Research on Cancer	STEL	Short-Term Exposure Limit, ACGIH terminology
LC50	Lethal Concentration in which 50% of the test animals are expected to die	TLV	Threshold Limit Value
LD50	Lethal Dose in which 50% of the test animals are expected to die	TWA	Time-Weighted Average

THIS PRODUCT IS FORMULATED AND LABELED FOR INDUSTRIAL AND COMMERCIAL APPLICATION ONLY

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