

Material Safety Data Sheet

May be used to comply with OSHA's Hazard Communication Standard (HCS), 29 CFR 1910, 1200. Standard must be consulted for specific requirements.

HMIS SYMBOL		HMIS	NFPA	NFPA RATING	
HEALTH	2	SEVERE	4	EXTREME	FIRE 0
FLAMMABILITY	0	SERIOUS	3	HIGH	REACTIVITY 2
REACTIVITY	2	MODERATE	2	MODERATE	TOXICITY 2
		SLIGHT	1	SLIGHT	SPECIAL b
		MINIMAL	0	INSIGNIFICANT	

NE = Not Established; NA = Not Applicable		Evaluation for OSHA HCS <input checked="" type="checkbox"/> Hazardous <input type="checkbox"/> Non-Hazardous	
I. GENERAL INFORMATION			
Product Name	SUPER BLUE	Emergency Telephone Number	1-800-535-5053
Chemical Family	MIXTURE	Telephone Number for Information	800-297-3063
Manufacturer	EZCHEM, Inc.	Date Prepared:	4-4-03
Manufacturer's Address:	141 RAILROAD ST., SUITE 117	Signature of Preparer: Robert Levetan	
	CANTON, GA 30114	Date Last Revised: 11-11-04	
II. HAZARDOUS INGREDIENTS			
Principal Hazardous Components		Threshold Limit Value (Units)	
Hydrochloric Acid (7647-01-0)		5 ppm (ceiling)	
III. PHYSICAL DATA			
Boiling Point	212° F	Specific Gravity (H₂O=1)	1.045
Vapor Pressure (mm Hg)	NE	Percent Volatile By Volume	>90
Vapor Density (Air=1)	>1	Evaporation Rate (H₂O=1)	~1
Solubility in Water	Complete	pH	<1
Appearance & Odor: Blue liquid with pleasant odor			
IV. FIRE & EXPLOSION HAZARD DATA			
Flash Point (Test Method) None			
Flammable Limits	LEL NA	UEL NA	
Extinguishing Media: Same as for surrounding materials			
Special Fire Fighting Procedures: Wear NIOSH/MSHA approved breathing apparatus for acid fumes when this product is involved in a fire.			
Unusual Fire & Explosion Hazards: Product exposed to high heat may generate toxic and corrosive acid vapors.			

V. HEALTH HAZARD DATA

OSHA Permissible Exposure Limit HCl – 5 ppm Ceiling	ACGIH Threshold Limit Value HCl = 5 ppm
Carcinogen - NTP Program NO	Carcinogen – IARC Program NO
Symptoms of Over Exposure: INHALATION: Sore throat, irritation, coughing, shortness of breath. INGESTION: Abdominal pain, diarrhea, stomach up set. EYES: Redness, irritation, blurred vision, pain. SKIN: Irritation.	
Medical Conditions Aggravated by Exposure: Respiratory problems Primary Route(s) of Entry: Ingestion, Skin contact.	
Emergency First Aid: INGESTION: DO NOT INDUCE VOMITING. Rinse mouth and drink 1-2 glasses of water. Get Immediate Medical Help. INHALATION: Remove to fresh air, rest upright. If discomfort persists, Get Medical Help. EYE CONTACT: flush eyes immediately with water for 20 minutes, lifting both eyelids. Get Medical Help. SKIN CONTACT: Remove contaminated clothing. Flush skin with water and soap thoroughly. Wash clothing before reuse.	

VI. REACTIVITY DATA

Stability <input type="checkbox"/> Unstable <input checked="" type="checkbox"/> Stable	Conditions to Avoid: Extreme heat
Incompatibility	Materials to Avoid: Alkaline products, caustic, bleach.
Hazardous Polymerization <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Conditions to Avoid: NA
Hazardous Decomposition Products: HCl, organic vapors	

VII. ENVIRONMENTAL PROTECTION PROCEDURES

Spill Response: Wear protective equipment during clean up. Confine spill and reclaim as much product as possible by mopping or collecting on absorbant. Material. Collect in sealable containers. Sprinkle residue with soda ash or limestone to neutralize and flush neutral residue to drain.
Waste Disposal Method: Seal containers and dispose of at an approved waste disposal facility, or neutralize reclaimed liquid to a pH of 7-8 and release to drain as local regulations permit.

VIII. SPECIAL PROTECTION INFORMATION

Eye Protection: Goggles	Skin Protection: Rubber or plastic gloves
Respiratory Protection (Specific Type) OSHA approved respirator with acid cartridge if applying in confined areas with poor ventilation.	Ventilation Recommended General Mechanical <input checked="" type="checkbox"/> Local Exhaust <input type="checkbox"/>
Other Protection: NA	
Hygienic Practices in Handling & Storage: Wash hands after handling. Do not contaminate food or feed stuff.	
Precautions for Repair & Maintenance of Contaminated Equipment: NA	
<u>Other Precautions:</u> Store in original container, below 120° F. Read all label precautions before using.	

IX TRANSPORT INFORMATION

Identification Number	UN 1789
Proper shipping name	Hydrochloric acid
Class/Division	8
Packaging Group	II