

MATERIAL SAFETY DATA SHEET

HAZARD RATINGS
Health: 3
Flammability: 0
Reactivity: 1
Personal Protection: C

NOTICE: Judgment may be based on indirect test and technical literature. The OSHA Hazard Communication Standard only requires MSDS's and special labeling for materials defined as "HAZARDOUS"; see 29 CFR 1910.1200 (c). This document may be about a product which is NOT hazardous but is provided as information for our customers. See references for information.

SECTION I. PRODUCT IDENTIFICATION

Product Identifier: Hydroblast
Product VOC: 0
Manufactured For: HydroServe Technologies Inc.

Product Identification #: HydroBlast-778
Emergency Response #: 800-255-3924
Date Prepared: February 3, 2003

SECTION II. HAZARDOUS INGREDIENTS

	CAS #	OSHA/PEL	TLV	STEL	max. %
Hydrochloric Acid	7647-01-0	5 mg/m ³	5 mg/m ³	NE	0-2

SECTION III. HEALTH HAZARD INFORMATION

.....**Primary Routes of Entry:** X Skin X Eyes X Inhalation Ingestion

◆ *Effects of overexposure:*

- Eye Contact: Corrosive
- Skin Contact: Corrosive to body tissues. Dermatitis may result from repeated exposure.
- Inhalation: May result in varying degrees of irritation to the respiratory tract tissues.
- Ingestion: May cause irritation and /or burning to the entire gastrointestinal tract; nausea, pain and bleeding.

SECTION IV. EMERGENCY FIRST AID

- ◆ *Eyes:* Flush well with water for at least 15 minutes.
- ◆ *Skin:* Wash with soap and water.
- ◆ *Inhalation:* Move to fresh air.
- ◆ *Ingestion:* Drink lots of water to dilute, **DO NOT INDUCE VOMITING.** Get medical help.

SECTION V. FIRE & EXPLOSION DATA

Flammability: NOT FLAMMABLE
Means of extinction: Water spray, dry chemicals, CO₂.
Auto-ignition Temperature: NA
Hazardous combustion products: NA

Flash Point: NA
Upper Flammability Limit (% by volume): NA
Lower Flammability Limit (% by volume): NA

- ◆ *Special Fire Fighting Procedures:* Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.
- ◆ *Unusual Fire Fighting Hazard:* Thermal decomposition products may be hazardous. Contact with common metals produces flammable and potentially explosive hydrogen gas.

SECTION VI. REACTIVITY DATA

Chemical stability: Stable
Hazardous polymerization: Will not occur.
Incompatibility with other substances: Avoid contact with strong alkalis; avoid strong oxidizing agents, amines and nitric acid.
Reactivity, and under what conditions? Reaction with strong alkalis will result in violent reactions with the evolution of heat.
Hazardous decomposition products: Under fire conditions, product may decompose to phosphoric oxide fumes and acid mist.

SECTION VII. HANDLING & STORAGE

Storage: Keep container closed, when not in use. Keep away from heat, flame, or sunlight. Protect from physical damage.
Handling: Do not premix with other chemicals. Exercise reasonable care and precaution. Keep out of reach of children.

SECTION VIII. EXPOSURE CONTROL/PERSONAL PROTECTION

Personal protective equipment: Use rubber gloves, eye protection and protective clothing.
Gloves (specify): Chemical resistant gloves
Eye (specify): Splash proof eye ware
Clothing (specify): Apron in handling large amounts.
Respirator (specify): NA
Footwear (specify): Chemical resistant shoes
Other: Eyewash and safety shower in immediate area.

SECTION IX. SPECIAL PRECAUTIONS/ OTHER COMMENTS

Carefully read all instructions on label before handling this product. "FOR INDUSTRIAL USE ONLY"

SECTION X. PHYSICAL DATA

Boiling point: >212°F
Specific Gravity, (water + 1.0): 1.020
% Volatile/ volume: 91%
Solubility: Complete
Description/odor: Colorless, clear liquid with acidic odor.
Vapor Density: (Air = 1): ND
pH, 1% solution: 2 - 3
Vapor Pressure: ND
Evaporation Rate: ND

SECTION XI. TOXICOLOGICAL INFORMATION

- ◆Effects of acute exposure to product: Local irritant, irritation of respiratory tract and bronchitis.
- ◆Effects of chronic exposure to product: NONE

SECTION XII. ECOLOGICAL INFORMATION

NOT DETERMINED.....

SECTION XIII. ACCIDENTAL RELEASE MEASURES/ DISPOSAL INFORMATION

Large spills cannot occur because of packaging. Dam up spills with inert material, neutralize with mild alkali such as lime, then wash to drain, according to local, state and federal regulations. Do not release to open, public waters.

SECTION XIV. TRANSPORT INFORMATION

Hazardous according to Table 49 CFR 172.101: **CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. (Hydrochloric acid), 8, UN3264, II.**

SECTION XV. REGULATORY INFORMATION

SARA TITLE III REPORTING REQUIREMENTS

SECTION 302: Not listed
SECTION 311: Acute Health Hazard
SECTION 312: Acute Health Hazard
SECTION 313: Listed (Hydrochloric acid)
CERCLA: This product has a RQ of 18,796,992 lb (8,533,834 kg) as Hydrochloric acid.
RCRA: A waste containing this product may have the RCRA hazardous waste no. D002 (Corrosive) (40 CFR 261.22)

SECTION XVI. ADDITIONAL INFORMATION

OSHA List (29 FR 1910.1200) as hazardous chemical.

The information contained herein is based on data available to us and is believed to be correct. We make no warranty, however, expressed or implied regarding the accuracy of these data or the results obtained from the use thereof.

Regulatory Standards: DOT TITLE 49, Code of Federal Regulations 172.101: Parts 100 to 177, Revised 10/1/92.
SUPER FUND AMENDMENTS REAUTHORIZATION ACT OF 1986, TITLE III TOXIC SUBSTANCE CONTROL ACT LIST (TSCA)-
INGREDIENTS LISTED. REGISTRY OF TOXIC EFFECTS OF CHEMICAL SUBSTANCES NATIONAL TOXICOLOGICAL PROGRAM
(NTP) REPORT OF CARCINOGENS INTERNATIONAL AGENCY FOR RESEARCH ON CANCER (IARC) MONOGRAPHS,
OCCUPATIONAL SAFETY & HEALTH REGULATIONS. CODE OF FED. REGS. FOOD & DRUG, 21 PARTS 170 to 199, Revised 4/1/91,
173.310.