

MATERIAL SAFETY DATA SHEET

C.D. PRODUCTS, INC.
918 N. Union St..
Appleton, WI 54911

emergency telephone #
(920)-739-8685
ISSUE DATE- 11/2003

SECTION I: PRODUCT IDENTIFICATION

PRODUCT NAME- DETERGENT ACID

PRODUCT #- XA-201

PRODUCT CLASS- HYDROCHLORIC ACID SOLUTION

HMS CODE HEALTH-2, FIRE-0, REACTIVITY-0

HAZARD RATING: 0=LEAST, 1=SLIGHT, 2= MODERATE, 3=HIGH, 4= EXTREME

SECTION II: HAZARDOUS INGREDIENTS

	CAS #	%	TLV
2-Butoxy Ethanol	00287-30-9	<10ppm	50PPM
hydrogen chloride	007647-01-1	<60	5ppm

SECTION III: PHYSICAL DATA

BOILING RANGE:	230F
EVAPORATION RATE VS BUTYL ACETATE:	slower
VAPOR DENSITY VS AIR:	heavier
SOLUBILITY IN WATER:	100%
APPEARANCE AND ODOR:	clear liquid, with light yellow or blue color
PERCENT VOLATILE BY VOLUME:	<99%
WEIGHT PER GALLON:	9.75

SECTION IV: FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (F): none	LEL: na	UEL: na
EXTINGUISHING MEDIA: foam, carbon dioxide, dry chemicals		

HAZARDOUS DECOMPOSITION PRODUCTS: hydrogen chloride

SPECIAL FIRE FIGHTING PROCEDURES: water spray to keep containers cool, and to protect persons attempting to stop leaks. Wear self contained breathing apparatus, goggles and full face plate operation in pressure demand or other positive pressure mode and full body protective clothing when fighting fires.

UNUSUAL FIRE AND EXPLOSION HAZARDS: acid reacts with most metals to release hydrogen gas which can form explosive mixtures with air.

SECTION V: HEALTH HAZARD DATA - EFFECTS OF OVER EXPOSURE

INGESTION: damage to mucus membranes and deep tissues is possible and may result in death on penetration of vital areas.

INHALATION: can cause damage to respiratory passages

SKIN ABSORPTION: causes burns

SKIN CONTACT: above

EYE CONTACT: causes severe damage, may result in blindness

CHRONIC EFFECTS OF OVER EXPOSURE: above

EMERGENCY FIRST AID PROCEDURES

EYE CONTACT: flush with water for 15 minutes and seek immediate medical attention

SKIN CONTACT: wash with soap and water remove contaminated clothing. if symptoms persist and/or blisters develop seek medical attention.

INGESTION: do not induce vomiting, this material is an aspiration hazard. seek medical attention. dilute with water or milk of magnesia if victim is conscious

INHALATION: remove to fresh air, administer oxygen if available and seek immediate medical attention. If person is not breathing administer artificial respiration.

SECTION VI: REACTIVITY DATA

STABILITY: stable

HAZARDOUS POLYMERIZATION: will not occur

CONDITIONS TO AVOIDS: contact with bases

SECTION VII: SPILL OR LEAK PROCEDURE

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED: cover contaminated area with bicarbonate of soda ash or slaked lime mixture (50-50) mix with water if necessary to form a slurry. Scoop up slurry and wash area with a water/soda ash solution.

WASTE DISPOSAL METHOD: flush small amounts down drain. For larger spills neutralize as above and flush with large amounts of water.

SECTION VIII: SPECIAL PROTECTION INFORMATION

RESPIRATORY: use with adequate ventilation. NIOSH/MSA approved respirators should be used where ventilation is not adequate. NIOSH approved air-line respirators with auxiliary escape air tanks or mechanical ventilation provides in confined areas.

VENTILATION: local exhaust recommended when appropriate to control employee exposure.

PROTECTIVE GLOVES: Neoprene, nitrile rubber -should be worn

EYE PROTECTION: chemical splash goggles

OTHER PROTECTIVE EQUIPMENT: normal work clothing covering arms and legs and boots.

SECTION IX: SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: avoid skin contact, remove and launder contaminated clothing.

SECTION VIII: SPECIAL PROTECTION INFORMATION

RESPIRATORY: use with adequate ventilation.

VENTILATION: local exhaust recommended when appropriate to control employee exposure.

PROTECTIVE GLOVES: rubber gloves should be worn- impervious

EYE PROTECTION: safety glasses

OTHER PROTECTIVE EQUIPMENT: splash protection clothing

SECTION IX: SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: avoid skin contact, remove and launder contaminated clothing.

OTHER PRECAUTIONS: none

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TRANSPORTATION DATA

Proper Shipping Name: Hydrochloric Acid Solution
UN 1789, PG II

NOTE: To the best of our knowledge, the information contained herein is accurate. However C.D. Products. Inc assumes no liability whatsoever for the accuracy or completeness of the information contained herein. The final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown health hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards which exist.