



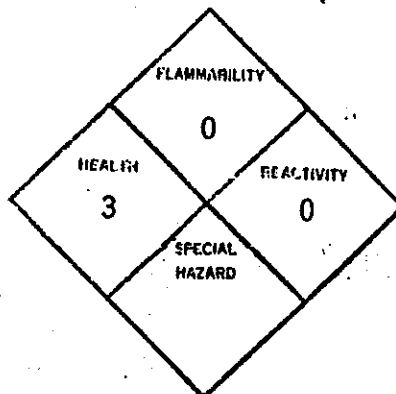
# ALL PURE CHEMICAL COMPANY

Post Office Box 268 • Tracy, CA 95376-0268 • Telephone (209) 835-5423

MATERIAL SAFETY DATA SHEET # AP1050M

ALL PURE CHEMICAL  
P.O. BOX 268  
TRACY, CA 95376

EMERGENCY NUMBERS:  
(209) 835-5423  
(209) 836-5404



## NFPA RATING

### PRODUCT IDENTIFICATION

TRADE NAME: 1) ALL PURE MURIATIC ACID  
2) ALL PURE MURIATIC ACID II

SYNONYM: HYDROCHLORIC ACID

### INGREDIENTS:

HYDROGEN CHLORIDE	CAS # 007647-01-0	31.5%
WATER	CAS # 007732-18-5	BALANCE

### PHYSICAL DATA:

BOILING POINT: 168F (81.5C)  
VAP PRESS: 25 mmHg, 3.3 kpa @ 20C  
VAP DENSITY: (AIR=1) 11.0  
SOL. IN WATER: INFINITE.  
SP. GRAVITY: 1.16  
APPEARANCE: WHITE TO YELLOW CLEAR LIQUID  
ODOR: A PUNGENT ODOR

### FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: NONE

METHOD USED: TCC

### FLAMMABLE LIMITS

LFL: NOT APPLICABLE

UFL: NOT APPLICABLE

EXTINGUISHING MEDIA: NON-FLAMMABLE

MATERIAL SAFETY DATA SHEET (CONT.)

HEALTH HAZARD DATA (CONT.)

-----  
SKIN ABSORPTION: A SINGLE PROLONGED EXPOSURE IS NOT LIKELY TO RESULT IN THE MATERIAL BEING ABSORBED THROUGH SKIN IN HARMFUL AMOUNTS. THE DERMAL LD50 HAS NOT BEEN DETERMINED.

INGESTION: INGESTION MAY CAUSE GASTROINTESTINAL IRRITATION OR ULCERATION AND SEVERE BURNS OF THE MOUTH AND THROAT.

INHALATION: EXCESSIVE VAPOR CONCENTRATIONS ARE READILY ATTAINABLE AND MAY CAUSE SERIOUS ADVERSE EFFECTS, EVEN DEATH. EXCESSIVE EXPOSURE MAY CAUSE SEVERE IRRITATION AND INJURY TO UPPER RESPIRATORY TRACT AND LUNGS.

SYSTEMIC & OTHER EFFECTS: REPEATED EXCESSIVE EXPOSURE MAY CAUSE EROSION OF TEETH AND BLEEDING AND ULCERATION OF NOSE, MOUTH AND GUMS. DID NOT CAUSE CANCER IN LONG-TERM ANIMAL STUDIES.

-----  
FIRST AID

-----  
EYES: IMMEDIATE AND CONTINUOUS IRRIGATION WITH FLOWING WATER AT LEAST 30 MINUTES IS IMPERATIVE. PROMPT MEDICAL CONSULTATION IS ESSENTIAL.

SKIN: IMMEDIATE CONTINUED AND THOROUGH WASHING IN FLOWING WATER FOR 30 MINUTES IS IMPERATIVE WHILE REMOVING CONTAMINATED CLOTHING. PROMPT MEDICAL CONSULTATION IS ESSENTIAL.

INGESTION: DO NOT INDUCE VOMITING. GIVE LARGE AMOUNTS OF MILK IF AVAILABLE AND TRANSPORT TO MEDICAL FACILITY.

INHALATION: REMOVE TO FRESH AIR IF EFFECTS OCCUR. CONSULT A PHYSICIAN.

NOTE TO PHYSICIAN: CORROSIVE. MAY CAUSE STRICTURE. IF LAVAGE IS PERFORMED, SUGGEST ENDOTRACHEAL AND/OR ESOPHAGOSCOPIC CONTROL. IF BURN IS PRESENT, TREAT AS ANY THERMAL BURN, AFTER DECONTAMINATION. NO SPECIFIC ANTIDOTE. SUPPORTIVE CARE. TREATMENT BASED ON JUDGMENT OF THE PHYSICIAN IN RESPONSE TO REACTIONS OF THE PATIENT.

MATERIAL SAFETY DATA SHEET (CONT.)

ADDITIONAL INFORMATION (CONT.)

-----  
SARA 313 INFORMATION:

THIS PRODUCT CONTAINS THE FOLLOWING SUBSTANCES SUBJECT TO THE REPORTING REQUIREMENTS OF SECTION 313 OF TITLE III OF THE SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT OF 1986 AND 40 CFR PART 372:

CHEMICAL NAME	CAS NUMBER	CONCENTRATION
----- HYDROCHLORIC ACID	----- 007647-01-0	----- 32%

-----  
U.S. DEPT. OF TRANSPORTATION (D.O.T.) SHIPPING INFORMATION  
-----

PROPER SHIPPING NAME: HYDROCHLORIC ACID

IDENTIFICATION NUMBER: UN1789

HAZARD CLASS: CORROSIVE MATERIAL

LABELS REQUIRED: CORROSIVE

REPORTABLE QUANTITY: 5000 lb./2270 kg.  
-----

THE INFORMATION IN THIS MSDS HAS BEEN ASSEMBLED BY THE MANUFACTURER BASED ON WORKS OF OTHERS WHICH ARE FOUND IN LITERATURE IN THE PUBLIC DOMAIN. IT RELATES TO THE SPECIFIC MATERIAL DESIGNATED HEREIN AND DOES NOT RELATE TO USE IN COMBINATION WITH ANY OTHER MATERIAL IN ANY PROCESS. THE INFORMATION SET FORTH HEREIN IS FURNISHED FREE OF CHARGE AND IS BASED ON TECHNICAL DATA THAT ALL PURE CHEMICAL CO. BELIEVES TO BE RELIABLE. IT IS INTENDED FOR USE BY PERSONS HAVING TECHNICAL SKILL AND AT THEIR OWN DISCRETION AND RISK. SINCE CONDITIONS OF USE ARE OUTSIDE OUR CONTROL, THE MANUFACTURER SHALL NOT BE LIABLE (REGARDLESS OF FAULT) TO THE VENDEE, THE VENDEE'S EMPLOYEES OR ANYONE ELSE FOR ANY DIRECT, SPECIAL OR CONSEQUENTIAL DAMAGES ARISING OUT OR IN CONNECTION WITH THE ACCURACY, COMPLETENESS, ADEQUACY OR FURNISHING OF SUCH INFORMATION. NOTHING HEREIN IS TO BE TAKEN AS A LICENSE TO OPERATE UNDER OF A RECOMMENDATION TO INFRINGE ANY PATENTS.

DATE OF LATEST REVISION: MARCH 1, 1990