

MATERIAL SAFETY DATA SHEET (SUBSTITUTES FOR OSHA FORM 174): May be used to comply with OSHA's Hazard Communication Standard, 29 CFR 1910.1200.

PRODUCT NUMBER: 1070-Q Revision Date: 8/27/2001
IDENTITY: PRECISE Issued Date: 8/4/2009

Section I: GENERAL INFORMATION

Manufacturer's Name: BETA TECHNOLOGY INC. Telephone Numbers:
Address: P.O. BOX 218686 Emergency:
HOUSTON, TX 77218-8686 800 / 535-5053 INFOTRAC
Information:
281 / 647-9700

HMS CODES: HEALTH - 3 FLAMMABILITY - 0 REACTIVITY - 0
Minimal - 0 Slight - 1 Moderate - 2 Serious - 3 Severe - 4

Chemical Name: ACID CONTAINING FORMULA
Chemical Family: LIQUID ACID BOWL/BATHROOM CLEANER

HAZARDOUS MATERIAL DESCRIPTION: (Proper shipping name, hazard class, hazard ID NO.(49 CFR 172.101)
CONSUMER COMMODITY, ORM-D

Section II: HAZARDOUS INGREDIENTS/IDENTITY INFORMATION (As listed in EPA 40 CFR parts 261 & 116 and/or MASS. DEQE CMR 670.00)

Name	CAS NO	% BY WEIGHT	OSHA (PEL)	ACGIH(TWA)
*HYDROGEN CHLORIDE	7647-01-0	5-10	5PPM	5PPM
*PHOSPHORIC ACID	7664-38-2	15-20	1MG/M3	1MG/M3
OXALIC ACID	144-62-7	1-5	1MG/M3	1MG/M3
*ISOPROPYL ALCOHOL	67-63-0	1-5	1MG/M3	400PPM

*THIS SUBSTANCE IS A CHEMICAL SUBJECT TO THE REPORTING REQUIREMENTS OF SECTION 313 OF TITLE III OF THE SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT OF 1986 (SARA) AND 40 CFR PART 372.

Section III: PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point/Range(F): COMPERABLE TO WATER Vapor Density (AIR=1): NA
Specific Gravity (WATER=1): 1.17 Physical State: VISCOUS GREEN LIQUID
% Volatile by Volume: 85 Odor: MINT (WINTERGREEN)
Evaporation Rate (BUAC=1): SLOWER Other: PH LESS THAN 1
Weight/Gallon (WATER = 8.33#): 9.74#
Solubility in Water: COMPLETE
Vapor Pressure (MM/HG): NA

Section IV: FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used): NONE
Flammable Limits: LEL: NA UEL: NA
Fire Extinguishing Media: WATER FOG, FOAM, GAS (CO2/HALON), DRY CHEMICAL
Special Fire Fighting Procedures: IF POSSIBLE, MOVE CONTAINERS FROM FIRE AREA AND COOL WITH WATER SPRAY. WEAR PROTECTIVE CLOTHING, EYE, FACE, AND SKIN PROTECTION AND NIOSH/MSHA APPROVED SELF-CONTAINED BREATHING APPARATUS. TOXIC ACID GASES RELEASED WHEN HEATED.

Unusual Fire and Explosion Hazards: THE ACIDS ALSO REACT WITH MOST METALS TO PRODUCE EXPLOSIVE AND FLAMMABLE HYDROGEN GAS.

Section V: REACTIVITY DATA

PRODUCT NUMBER: 1070-Q

Stability: STABLE
Hazardous Polymerization: WILL NOT OCCUR
Conditions to Avoid: DO NOT STORE IN METAL CONTAINERS OR AT HIGH TEMPERATURES OR IN DIRECT SUNLIGHT.
Materials to Avoid: DO NOT MIX WITH OTHER CHEMICALS. KEEP AWAY FROM COMBUSTIBLE MATERIALS, METALS, ALKALIES, ETC.
Hazardous Decomposition Products: HYDROGEN CHLORIDE GAS AND OTHER TOXIC GASES, INCLUDING PHOSPHORIC ACID FUME, SULFUR OXIDES AND CARBON MONOXIDE.

Section VI: HEALTH HAZARD DATA

Threshold Limit Value: NOT ESTABLISHED (SEE SECTION II)
Primary Routes of Entry: INHALATION AND SKIN ABSORPTION
Effects of Overexposure:
Acute: CORROSIVE, CAUSES SEVERE BURNS TO ALL TISSUES. DO NOT GET IN EYES, ON SKIN, OR CLOTHING. CAN BE FATAL IF SWALLOWED.
Chronic: EXCESSIVE INHALATION OF VAPOR WILL CAUSE CHOKING, IRRITATION OR BURN EYES, AND RESPIRATORY TRACT.
Emergency and First Aid Procedures:
Inhalation: REMOVE TO FRESH AIR, GET MEDICAL ATTENTION. IF AVAILABLE, GIVE OXYGEN. GIVE ARTIFICIAL RESPIRATION IF BREATHING IS STOPPED.
Eyes: IMMEDIATELY FLUSH WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES, KEEPING LIDS APART. GET IMMEDIATE MEDICAL ATTENTION.
Skin: SEE "EYES." REMOVE CLOTHING IF CONTAMINATED.
Ingestion: DO NOT INDUCE VOMITING. DRINK LARGE QUANTITIES OF WATER OR MILK. GET IMMEDIATE MEDICAL ATTENTION.

Section VII: SPILL OR LEAK PROCEDURES

Steps to be Taken in Case Material is Released or Spilled:
SPRINKLE AN EXCESS OF SODIUM BICARBONATE, SODA ASH, OR SIMILAR ALKALI ON SPILL UNTIL FOAMING CEASES AND ACID IS NEUTRALIZED. RINSE AREA WITH WATER.
Waste Disposal: DRUM OFF AND DISPOSE OF ACCORDING TO LOCAL REGULATIONS FOR HAZARDOUS WASTE.

Section VIII: SPECIAL PROTECTION INFORMATION

Respiratory Protection: NONE REQUIRED IF ADEQUATE VENTILATION, IF HIGH CONCENTRATIONS USE NIOSH/MSHA APPROVED RESPIRATOR FOR ACIDS.
Ventilation Type: LOCAL EXHAUST ADEQUATE.
Protective Gloves: ACID RESISTANT GLOVES.
Eye Protection: SAFETY GLASSES OR GOGGLES, FACE SHIELD.
Other Protective Equipment: ACID RESISTANT APRON AND BOOTS.

Section IX: SPECIAL PRECAUTIONS

Precautions to be Taken in Handling and Storing:
STORE IN A COOL, WELL VENTILATED AREA AWAY FROM HEAT AND DIRECT SUNLIGHT. AVOID CONTACT WITH METALS, ALKALIES, AND OXIDIZING MATERIALS. DO NOT GET ON SKIN, EYES, OR CLOTHING, IF SPILLED ON CLOTHING, REMOVE CLOTHING QUICKLY AND FLUSH OFF EXPOSED SKIN WITH WATER.
Other Precautions: DO NOT TAKE INTERNALLY. CAN BE FATAL IF SWALLOWED. USE WITH ADEQUATE VENTILATION. USE ADEQUATE EYE AND SKIN PROTECTION. WASH HANDS THOROUGHLY AFTER USE. KEEP CONTAINERS CLOSED. KEEP OUT OF THE REACH OF CHILDREN.