

MATERIAL SAFETY DATA SHEET

SECTION I - IDENTIFICATION OF PRODUCT

TRADE NAME: **Total Bowl Cleaner**
 CHEMICAL FAMILY: ACID CLEANER
 PREPARED: 12-27-95
 CLASS: CORROSIVE LIQUID, N.O.S., 8, UN1760, II (CONTAINS HYDROCHLORIC ACID)

SECTION II - HAZARDOUS INGREDIENTS

HAZARDOUS COMPONENTS	OSHA PEL	ACGIH TLV	OTHER LIMITS %
HYDROCHLORIC ACID	5 PPM	5 PPM	7647-01-0
PHOSPHORIC ACID	N.E.	1 MG/M3	7664-38-2

SECTION III - SUPPLIER NOTIFICATION

THIS PRODUCT CONTAINS THE FOLLOWING TOXIC CHEMICALS SUBJECT TO THE REPORTING REQUIREMENTS OF SECTION 313 OF THE EMERGENCY PLANNING & COMMUNITY RIGHT TO KNOW ACT OF 1986 & OF 40 CFR 372:

OSHA PEL	CHEMICAL NAME	% BY WGT
7647-01-0	HYDROCHLORIC ACID	9.1
7664-38-2	PHOSPHORIC ACID	1.5

THIS INFORMATION MUST BE INCLUDED IN ALL MSDS THAT ARE COPIED AND DISTRIBUTED FOR THIS MATERIAL

SECTION IV - PHYSICAL/CHEMICAL CHARACTERISTICS

BOILING POINT: > 212 F
 SPECIFIC GRAVITY (H₂O=1): 1.855
 SOLUBILITY IN WATER: COMPLETE
 APPEARANCE: CLEAR BLUE LIQUID
 ODOR: PLEASANT
 VAPOR PRESSURE (mmHg): N.E.
 VAPOR DENSITY (Air=1): N.E.
 CORROSION RTE (Butyl Act=1): N.E.

SECTION V - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: NONE
 EXTINGUISHING MEDIA: AS REQUIRED BY SURROUNDING FIRE.
 SPECIAL FIRE FIGHTING PROCEDURES:
 WEAR SELF-CONTAINED FULL-FACE BREATHING APPARATUS.

UNUSUAL HAZARDS:
 COULD REACT WITH METALS TO GENERATE FLAMMABLE HYDROGEN GAS.

SECTION VI - REACTIVITY DATA

STABILITY: STABLE
 CONDITIONS TO AVOID: EXTREME TEMPERATURES
 POLYMERIZATION: WILL NOT OCCUR
 CONDITIONS TO AVOID: NONE
 INCOMPATIBLE MATERIALS: BASES, METALS, OXIDIZERS.

HAZARDOUS DECOMPOSITION OR BY-PRODUCTS
 H₂, CO, CO₂

SECTION VII - HEALTH HAZARDS DATA

THRESHOLD LIMIT VALUE: NOT ESTABLISHED
 CARCINOGENICITY: NO /NO /NO
 NTP/IHRC/OSHA: NO /NO /NO
 IARC MONOGRAPHS: NO
 OSHA REGULATED: NO

HEALTH HAZARDS ACUTE/CHRONIC:
 SEVERITY OF INJURY DEPENDS LARGELY ON PRODUCT CONCENTRATION AND DURATION OF EXPOSURE. IMMEDIATE ACTION IS NECESSARY TO LIMIT SEVERITY OF INJURY. CAN CAUSE MINOR IRRITATION TO SEVERE BURNS AND TISSUE DAMAGE TO EXPOSED AREAS OF BODY.

EMERGENCY FIRST AID PROCEDURES:

INHALATION:

MOVE TO FRESH AIR. IF BREATHING STOPS, ADMINISTER ARTIFICIAL RESPIRATION. GET MEDICAL ATTENTION IMMEDIATELY.

INGESTION:

GIVE LARGE QUANTITIES OF WATER THEN SEVERAL GLASSES OF MILK. DO NOT INDUCE VOMITING. GET MEDICAL ATTENTION IMMEDIATELY.

EYE CONTACT:

FLUSH EYES IMMEDIATELY WITH LARGE AMOUNTS OF WATER FOR 15 MINUTES LIFTING THE EYELIDS OCCASIONALLY. GET MEDICAL ATTENTION AT ONCE.

SKIN CONTACT:

REMOVE CONTAMINATED CLOTHING AND WASH WITH LARGE AMOUNTS OF WATER FOR 15 MINUTES. GET MEDICAL ATTENTION IF NECESSARY.

SECTION VIII - PRECAUTIONS FOR SAFE HANDLING AND USE. STEPS TO BE TAKEN

IN CASE MATERIAL IS RELEASED OR SPILLED:

CONTAIN LARGE SPILLS AND PUMP TO RECOVER. SMALL SPILLS MAY BE MOPPED UP. CONTAMINATED AREA SHOULD BE NEUTRALIZED.

WASTE DISPOSAL METHOD:

DISPOSE OF IN ACCORDANCE WITH ALL FEDERAL, STATE, AND LOCAL REGULATIONS.

PRECAUTIONS TO TAKE IN HANDLING & STORAGE:

STORE IN A COOL DRY PLACE. KEEP CONTAINER CLOSED WHEN NOT IN USE. KEEP OUT OF REACH OF CHILDREN.
 OTHER PRECAUTIONS:

SECTION IX - CONTROL MEASURES

RESPIRATORY PROTECTION: ONLY W/D ADEQUATE VENTILATION
 VENTILATION: USE ADEQUATE VENTILATION
 PROTECTIVE GLOVES: RUBBER GLOVES
 EYE PROTECTION: SAFETY GOGGLES
 OTHER PROTECTIVE MEASURES:
 AS REQUIRED TO LIMIT SKIN CONTACT. WASH HANDS THOROUGHLY AFTER USE.

MANUFACTURER:

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