

MATERIAL SAFETY DATA SHEET
(ESSENTIALLY SIMILAR TO OSHA FORM 20, COMPLIES WITH 29CFR 1910:1200)

HAZARD RATING: HEALTH - 3, FIRE - 0, REACTIVITY - 0
MINIMAL - 0 SLIGHT - 1 MODERATE - 2 SERIOUS - 3 SEVERE - 4

*****SECTION I: GENERAL INFORMATION*****

MANUFACTURED FOR: CK INDUSTRIAL
ADDRESS: 21 SWAN DRIVE
REXFORD, NY 12148
TELEPHONE NUMBER: (518) 383-6809
DATE ISSUED/REVISED: APRIL 3, 2006
EMERGENCY RESPONSE NUMBER: 800-255-3924 CHEM-TEL INC.
FORMULA NO.: C-501
PRODUCT NAME: JACKHAMMER DRAIN OPENER
CHEMICAL NAME: SULFURIC ACID
CHEMICAL FAMILY: ACID DRAIN CLEANER

HAZARDOUS MATERIAL DESCRIPTION

(PROPER SHIPPING NAME, HAZARD CLASS, HAZARD ID NO. (49 CFR 172.101)
SULFURIC ACID, 8, UN1830, PGII

*****SECTION II: HAZARDOUS INGREDIENTS*****

AS LISTED IN EPA 40CFR PARTS 261 & 116 AND/OR MASS. DEQE CMR 670.00

CHEMICAL NAME	CAS NO.	% BY WEIGHT	HAZARD DATA
*SULFURIC ACID	7664-93-9	93	TLV 1MG/M3 PEL (TWA) 1MG/M3

*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 DATA*****

BOILING POINT/RANGE (F): 560F
SPECIFIC GRAVITY: 1.835 (WATER=1)
% VOLATILE BY VOLUME: TRACE
EVAP. RATE (BUAC=1): SLOWER
WEIGHT/GALLON: 15.3#(WATER=8.33#)
SOLUBILITY IN WATER: COMPLETE
VAPOR PRESSURE (MM/HG): NEGLIGIBLE
PHYSICAL STATE: OILY, CLEAR LIQUID
VAPOR DENSITY (AIR=1): NA
ODOR: ODORLESS
OTHER: PH LESS THAN 1

*****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, OTHER
SPECIAL FIRE FIGHTING PROCEDURES: DO NOT SPRAY WATER DIRECTLY ON PRODUCT.
ACID REACTS VIOLENTLY WITH
WATER AND CAN CAUSE SPATTERING. WEAR PROTECTIVE CLOTHING, EYE, FACE, AND SKIN
PROTECTION AND NIOSH APPROVED SELF-CONTAINED BREATHING APPARATUS.
UNUSUAL FIRE AND EXPLOSION HAZARDS: AT HIGH TEMPERATURES, SULFURIC ACID MIST
OR SULFUR TRIOXIDE GAS CAN BE RELEASED FROM VENTED OR RUPTURED CONTAINERS.

*****SECTION V: HEALTH HAZARD DATA*****

THRESHOLD LIMIT VALUE: 1 MG/M3
PRIMARY ROUTES OF ENTRY: SKIN ABSORPTION
EFFECTS OF OVEREXPOSURE:
...ACUTE - DANGER: CAUSES SEVERE BURNS. DO NOT GET IN EYES, ON SKIN,
OR CLOTHING. CAN BE FATAL IF SWALLOWED.
...CHRONIC - PROLONGED INHALATION OF FUMES OR ACID MIST CAN CAUSE
IRRITATION AND BURNS OF THE RESPIRATORY TRACT.
EMERGENCY AND FIRST AID PROCEDURES:
...INHALATION - REMOVE TO FRESH AIR. GET MEDICAL ATTENTION. GIVE
ARTIFICIAL RESPIRATION IF BREATHING IS STOPPED.
...EYES - IMMEDIATELY FLUSH WITH PLENTY OF WATER FOR AT LEAST 15
MINUTES UNTIL MEDICAL ATTENTION IS RECEIVED.
...SKIN - SEE "EYES." REMOVE CLOTHING IF CONTAMINATED WITH ACID.
...INGESTION - DRINK LARGE QUANTITIES OF WATER OR MILK, FOLLOWED WITH MILK
OF MAGNESIA, BEATEN EGGS, OR VEGETABLE OIL. GET IMMEDIATE MEDICAL
ATTENTION.

*****SECTION VI: REACTIVITY DATA*****

STABILITY: STABLE
HAZARDOUS POLYMERIZATION: WILL NOT OCCUR
CONDITIONS TO AVOID: DO NOT ADD WATER TO ACID, ALWAYS ADD ACID TO
WATER. DO NOT STORE IN METAL CONTAINERS OR IN EXTREME HEAT.
MATERIALS TO AVOID: DO NOT MIX WITH OTHER CHEMICALS. KEEP AWAY FROM
COMBUSTIBLE MATERIALS.
HAZARDOUS DECOMPOSITION PRODUCTS: SULFUR TRIOXIDE GAS.

*****SECTION VII: SPILL OR LEAK PROCEDURES*****

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: SPRINKLE AN
EXCESS OF SODIUM BICARBONATE OR SODA ASH 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.
VENTILATION TYPE: LOCAL EXHAUST IS 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: PRODUCT IS A STRONG
ACID AND REACTS VIOLENTLY WITH WATER. DO NOT GET ON SKIN, EYES, OR
CLOTHING. IF SPILLED ON CLOTHING, REMOVE CLOTHING QUICKLY AND FLUSH OFF
EXPOSED SKIN WITH WATER. DO NOT TAKE INTERNALLY. CAN BE FATAL IF
SWALLOWED.
OTHER PRECAUTIONS: STORE IN A COOL, DRY AREA AWAY FROM COMBUSTIBLE
MATERIALS. DO NOT TRANSFER TO METAL CONTAINERS. WEAR EYE GLASSES OR
GOGGLES AND FULL FACE
SHIELD, ACID RESISTANT GLOVES, APRON, AND BOOTS. USE WITH ADEQUATE
VENTILATION. KEEP OUT OF REACH OF CHILDREN.