

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

HAZARD RATING: HEALTH - 3, FIRE - 0, REACTIVITY - 1  
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: MARCH 11, 2006  
EMERGENCY RESPONSE NUMBER: 800-255-3924 CHEM-TEL  
FORMULA NO.: C-502X  
PRODUCT NAME: OPEN WIDE DRAIN OPENER AND MAINTAINER  
CHEMICAL NAME: CAUSTIC SODA (SODIUM HYDROXIDE) CONTAINING PRODUCT  
CHEMICAL FAMILY: LIQUID CAUSTIC (ALKALINE) DRAIN CLEANER

**HAZARDOUS MATERIAL DESCRIPTION**

**(PROPER SHIPPING NAME, HAZARD CLASS, HAZARD ID NO. (49 CFR 172.101)**

**\*\*\*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
SODIUM HYDROXIDE	1310-73-2	35-45	OSHA (TWA)2MG/M3 ACGIH (TWA)2MG/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.

CONTAINS NO INGREDIENT LISTED AS A CARCINOGEN OR POTENTIAL CARCINOGEN BY IARC, NTP, OR OSHA.

**\*\*\*SECTION III: PHYSICAL DATA\*\*\***

BOILING POINT/RANGE (F): COMP. TO WATER  
SPECIFIC GRAVITY: 1.38 (WATER=1)  
% VOLATILE BY VOLUME: 75%  
EVAP. RATE (BUAC=1): SLOWER  
WEIGHT/GALLON: 11.5# (WATER=8.33#)  
SOLUBILITY IN WATER: COMPLETE  
VAPOR PRESSURE (MM/HG): NA  
PHYSICAL STATE: THIN ,COLORLESSLIQUID  
VAPOR DENSITY (AIR=1): NA  
ODOR: LEMON  
OTHER: PH GREATER THAN 13

**\*\*\*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 KEEP COOL. WEAR PROTECTIVE CLOTHING, EYE, FACE, AND SKIN PROTECTION. BE CAREFUL OF SPRAYING WATER DIRECTLY ON PRODUCT. IT MAY SPATTER AND BURN EXPOSED SKIN.  
UNUSUAL FIRE AND EXPLOSION HAZARDS: PRODUCT MAY REACT WITH SOME METALS, SUCH AS ALUMINUM, TIN, ZINC TO PRODUCE EXPLOSIVE AND FLAMMABLE HYDROGEN GAS.

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

THRESHOLD LIMIT VALUE: 2 MG/M3  
PRIMARY ROUTES OF ENTRY: 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 - PROLONGED INHALATION OF VAPOR OR MIST CAN CAUSE BURNS OF THE RESPIRATORY TRACT.  
EMERGENCY AND FIRST AID PROCEDURES:  
...INHALATION - REMOVE TO FRESH AIR. GET MEDICAL ATTENTION. IF AVAILABLE, GIVE OXYGEN.  
...EYES - IMMEDIATELY FLUSH THOROUGHLY WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES, HOLDING LIDS APART. GET IMMEDIATE MEDICAL ATTENTION.  
...SKIN - SEE "EYES." REMOVE CLOTHING IF CONTAMINATED.  
...INGESTION - DO NOT INDUCE VOMITING. GIVE LARGE QUANTITIES OF WATER IF PERSON IS CONSCIOUS. GET IMMEDIATE MEDICAL ATTENTION.

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

STABILITY: STABLE  
HAZARDOUS POLYMERIZATION: WILL NOT OCCUR  
CONDITIONS TO AVOID: DO NOT STORE IN METAL CONTAINERS.  
MATERIALS TO AVOID: DO NOT MIX WITH OTHER CHEMICALS. EXTREME HEAT CAN BE GENERATED UPON CONTACT WITH ACIDS, MANY METALS, ETC.  
HAZARDOUS DECOMPOSITION PRODUCTS: NONE.

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

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: IF POSSIBLE, NEUTRALIZE WITH DILUTE ACID, PREFERABLY ACETIC (VINEGAR). RINSE WITH WATER OR ABSORB WITH FLOOR ABSORBENT, SAWDUST, OR RAGS. AVOID CONTACT WITH EYES, SKIN, OR CLOTHING.  
WASTE DISPOSAL: DISPOSE OF ACCORDING TO LOCAL REGULATIONS FOR HAZARDOUS WASTE.

**\*\*\*SECTION VIII: SPECIAL PROTECTION INFORMATION\*\*\***

RESPIRATORY PROTECTION: NONE REQUIRED.  
VENTILATION TYPE: LOCAL EXHAUST ADEQUATE.  
PROTECTIVE GLOVES: RUBBER GLOVES.  
EYE PROTECTION: SAFETY GLASSES OR GOGGLES.  
OTHER PROTECTIVE EQUIPMENT: RUBBER APRON, CHEMICAL RESISTANT SHOES.

**\*\*\*SECTION IX: SPECIAL PRECAUTIONS\*\*\***

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: STORE IN A COOL AREA. KEEP CONTAINER TIGHTLY SEALED. PRODUCT IS CORROSIVE. DO NOT GET ON SKIN, EYES, OR CLOTHING. IF SPILLED ON CLOTHING, REMOVE CLOTHING AND FLUSH OFF EXPOSED SKIN WITH WATER. DO NOT TAKE INTERNALLY. USE WITH ADEQUATE VENTILATION.  
OTHER PRECAUTIONS: AVOID PROLONGED BREATHING OF VAPORS. WASH HANDS THOROUGHLY AFTER HANDLING. DO NOT TRANSFER TO METAL CONTAINERS. AVOID CONTACT WITH OTHER CHEMICALS. WEAR EYE AND SKIN PROTECTION. KEEP OUT OF THE REACH OF CHILDREN.