

**MATERIAL SAFETY DATA SHEET**

CHEM-TEL, INC

24 HOUR EMERGENCY CONTACT # 800-2553924

APRIL 7, 2004

MARK MFG. CORP.

295 EDWARDIA DR.

GREENSBORO, N.C. 27409

**SECTION I GENERAL PRODUCT DATA**CHEMICAL STRENGTH: SODIUM HYDROXIDE  
FORMULA: PROPRIETARYPRODUCT NAME: CHLORINE BLEACH  
PRODUCT CODE: CM 151108 (A)  
FORMULA : PROPRIETARY FORMULA  
HMIS LEGEND: 4-EXTREM 3-HIGH 2-MODERATE 1-SLIGHT 0-INSIGNIFICANT  
HMIS HAZARD CODE: HEALTH-2 FLAMMABILITY-0 REACTIVITY-0  
CHEMICAL FAMILY: LIQUID BLEACH  
DOT SHIPPING NAME: HYPOCHLORITE SOLUTIONS.  
SUPPLIERS NAME: Mark Mfg.  
295 EDWARDIA DR.  
GREENSBORO, N.C. 27409  
SUPPLIERS PHONE: (336) 294-1601 EMERGENCY PHONE 1-800-627-5634**SECTION II HAZARDOUS INGREDIENTS**

C.A.S. No	CHMICAL NAME	313	%	RQ#	TLV-TWA
7681-52-9	SODIUM HYPOCHLORITE	NO	<15	NONE	N/E
1310-73-2	SODIUM HYDROXIDE	NO	<5	1000	CEILING 2mg/m3

NO COMPONENT IS LISTED IN "THRESHOLD, LIMIT VALUES AND BIOLOGICAL, EXPOSURE INDICES FOR 1998" FROM ACGIII EXCEPT AS NOTED ABOVE. COMPONENTS LISTED IN TITLE III SEC.33 (EPCRA), ARE INDICATED BY A "YES" ABOVE.

**SECTION III PHYSICAL DATA**BOILING POINT: (F): 0  
VAPOR PRESSURE: 20 DEG C;  
VAPOR DENSITY: (AIR=1) 2.1  
APPEARANCE: STRAW COLOR  
SOLUBILITY IN WATER: COMPLETE  
SPECIFIC GRAVITY: >1  
PERCENT VOLATILE: N/A  
EVAPORATION RATE: N/A  
pH : = 10 to 12**SECTION IV FIRE AND EXPLOSION HAZARD DATA**SOLUABILITY IN WATER: 100%  
FLASH POINT: (F) NA FLAMMABLE LIMITS: N/A  
FLAMABILITY LIMITS: N/A  
EXTINGUISHING MEDIA: DRY CHEMICAL, WATER FOG, CARBON DIXIDE  
SPECIAL FIRE FIGHTING PROCEDURES: NONE: NOT CONSIDERED COMBUSTABLE, AND WILL NOT BURN OR SUSTAIN COMBUSTION.  
UNUSUAL FIRE AND EXPLOSION HAZARDS: NONE: NOT CONSIDERED COMBUSTABLE**SECTION V HEALTH HAZARDS DATA**POTENTIAL EFFECT OF OVEREXPOSURE  
EYES: WIL CAUSE IRRITATION OR BURNS.  
SKIN: WIL CAUSE IRRITATION OR BURNS.  
INHALATION: EXCESSIVE INHALATION OF MIST FROM SOLUTION MY CAUSE IRRITATION**EMERGENCY & FIRST AID PROCEDURES**SKIN: THOROUGHLY WASH EXPOSED AREA WITH SOAP AND WATER. IF IRRITATION OCCURS SEEK MEDICAL ASSISTANCE  
EYES: FLUSH WITH LARGE AMOUNTS OF WATER, FOR 15 MIN. SEEK MEDICAL ATTENTION IF IRRITATIONS DEVELOPS.  
INGESTION: GIVE LARGE AMOUNTS OF WATER/MILK. **DO NOT** INDUCE VOMITING.  
INHALATION: IF AFFECTED, REMOVE TO FRESH AIR, SEEK MEDICAL ATTENTION IF THERE IS ANY DISCOMFORT.

**SECTION VI REACTIVITY DATA**

STABILITY: STABLE  
UNSTABILITY: SLOWLY  
CONDITIONS TO AVOID: CONTACT WITH NON-FERROUS METALS  
IMCOMPATIBILITY: NON-FERROUS METALS, AMMONIA SOLUTIONS  
HAZARDOUS DECOMPOSITION PRODUCTS: CHLORINE  
HAZARDOUS POLYMERIZATION: WILL NOT OCCUR.

**SECTION III SPECIAL PROTECTION INFORMATION**

RESPIRATORY PROTECTION: NOT NORMALLY REQUIRED IF MIST IS GENERATED, WEAR A (NIOSH/MSHA) APPROVED ORGANIC VAPOR/MIST RESPIRATOR.  
VENTILATION REQUIRED: NORMAL VENTILATION IS USUALLY ADEQUATE. IF MIST ARE GENERATATED, LOCAL EXHAUST MAY BE USED TO VENTILATE AREA..  
PROTECTIVE EQUIPMENT  
EYES: SAFETY GLASSES OR CHEMICAL SPLASH GOGGLES.  
SKIN: PROTECTIVE NITRILE OR RUBBER GLOVES TO MINIMIZE SKIN CONTACT.  
OTHER PROTECTIVE EQUIPMENT , WEAR IMPERVIOUS APRON OR OTHER CLOTHING AS NEEDED.

**SECTION VII SPILL AND LEAK**

STEP TO TAKE IF MATERIAL IS RELEASED OR SPILLED.  
PICK UP SMALL SPILLS WITH MOP, OR RAGS. LARGE SPILLS SHOULD BE DIKED AND ABSORBED WITH INERT MATERIALS. FLUSH RESIDUE TO SANITARY SEWER. **WASTE DISPOSAL METHOD** INCINERATE OR BURY IN A LICENSED FACILITY. **DO NOT** DISCHARED INTO SEWER SYSTEMS OR WATERWAYS WITHOUT PORPER AUTHORITY. DISPOSE OF IN ACCORDANCE WITH ALL LOCAL, STATE, AND FEDERAL REAULATIONS.  
HAZZARDOUS WASTE CLASSIFACTIOSN: NONE

**SECTION VIII D.O.T. SHIPPING INFORMATION**

PROPER SHIPPING NAME: COMPOUND, CLEANING, LIQUID (N.O.S) N. R  
HAZARD CLASS: N/A  
ID NUMBER: NA 1410 LABEL REQUIREMENTS: N/A