

REV: 4/11/86

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PROD 2058

SPRINGFIELD WATER CONDITIONING CO

HEALTH = -
FIRE = -

REACTIVITY = -
EQUIPMENT = -

HAZARD RATINGS: 0 = LEAST 1 = SLIGHT
2 = MODERATE 3 = HIGH
4 = EXTREME

SECTION I ===== PRODUCT DESCRIPTION =====

PRODUCT NAME: LIQUID CHLORINE BLEACH

SYNONYMS: SODIUM HYPOCHLORITE

CHEMICAL FAMILY: OXIDIZERS

SECTION II ===== PRODUCT COMPOSITION =====

INGREDIENT	VOL %	CAS #	TLV
CHLORINE	12	7782-50-5	3MG/M
SODIUM HYDROXIDE	0.8	1310-73-2	2MG/M

SECTION III ===== PHYSICAL PROPERTIES =====

BOILING RANGE: 230 F (INITIAL BOILING POINT)

SPECIFIC GRAVITY (WATER=1): 1.175

VAPOR PRESSURE AT 20C (MM OF HG): 22

VAPOR DENSITY (AIR=1): 1

SOLUBILITY IN WATER: COMPLETE

EVAPORATION RATE: N/A

% VOLATILES: 50

APPEARANCE AND ODOR: CLEAR YELLOW LIQUID WITH A CHLORINATED BLEACH ODOR

SECTION IV ===== FIRE AND EXPLOSION DATA =====

LOWER FLAMMABILITY LIMITS (% IN AIR): NOT FLAMMABLE

FLASH POINT (AND METHOD): N/A

FLAMMABILITY CLASSIFICATION: NOT CLASSIFIED

RECOMMENDED EXTINGUISHING MEDIA: DOES NOT BURN OR SUPPORT COMBUSTION.
SPECIAL FIRE FIGHTING PROCEDURES: FIRE FIGHTERS SHOULD BE EQUIPPED WITH

APPROPRIATE PROTECTIVE APPAREL AND USE NIOSH APPROVED BREATHING MASKS.

UNUSUAL FIRE/EXPLOSION HAZARDS: MAY REACT VIOLENTLY WITH EASILY OXIDIZABLE

COMPOUNDS.

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SECTION V ===== HEALTH INFORMATION =====

THRESHOLD LIMIT VALUE: UNKNOWN
EFFECTS OF OVEREXPOSURE: CAUSES SEVERE BURNS TO EYES AND SKIN. IRRITATING
TO RESPIRATORY TRACT. NOT CONSIDERED A CARCINOGEN.

EMERGENCY FIRST AID PROCEDURES:
EYE CONTACT: FLUSH 15 MINUTES WITH WATER. CALL PHYSICIAN IMMEDIATELY
SKIN CONTACT: FLUSH WITH WATER.
INHALATION: REMOVE TO FRESH AIR, IF IRRITATED GET MEDICAL ATTENTION
INGESTION: GIVE MILK, EGG WHITES OR MILK OF MAGNESIA. DO NOT
INDUCE VOMITING. CALL PHYSICIAN IMMEDIATELY.

SECTION VI ===== REACTIVITY DATA =====

STABILITY: STABLE
CONDITIONS TO AVOID: EXTREME HEAT AND OPEN FLAME
INCOMPATIBILITY WITH OTHER MATERIALS: ACIDS, AMMONIA, ACID SALTS AND EASILY
OXIDIZABLE MATERIALS.

HAZARDOUS DECOMPOSITION PRODUCTS: CHLORINE GAS.
HAZARDOUS POLYMERIZATION: WILL NOT OCCUR

SECTION VII ===== SPILL OR LEAK PROCEDURES =====

PROCEDURES IF MATERIAL IS SPILLED OR RELEASED: FLUSH AFFECTED AREA WITH WATER
REMOVE CONTAMINATED CARBOARD PAPER ETC., TO DISPOSAL AREAS.
WASTE DISPOSAL PROCEDURES: DILUTE 100:1 WITH WATER AND FLUSH TO SEWER.
FOLLOW FEDERAL, STATE AND LOCAL POLLUTION REGULATIONS.

SECTION VIII ===== SPECIAL PROTECTION INFORMATION =====

RESPIRATORY PROTECTION: GENERALLY NOT REQUIRED.
LOCAL EXHAUST: RECOMMENDED
PROTECTIVE GLOVES: RUBBER OR NEOPRENE
EYE PROTECTION: SAFETY GOGGLES
OTHER PROTECTIVE EQUIPMENT: AS REQUIRED TO PREVENT CONTACT

SECTION IX ===== ADDITIONAL PRECAUTIONS =====

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:
DANGER!! CORROSIVE.
AVOID CONTACT.

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SODIUM HYPOCHLORITE IS A STRONG ALKALINE SALT AND OXIDIZING AGENT.

CONTACT MAY CAUSE SEVERE TISSUE DESTRUCTION.

OTHER PRECAUTIONS:

STORE IN COOL, DARK LOCATION. KEEP CONTAINER CLOSED WHEN NOT USE.

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