

84-220

CCCCCCCCCCCC - MATERIAL SAFETY DATA SHEET - CCCCCCCCCC

COMPLIES WITH OSHA HCS 29, CFR 1910.1200-ND OSHA 174

PRODUCT NAME AS USED ON LABEL : POOL BRITE
(SWIMMING POOL CHLORINE)

EMERGENCY CONTACT NUMBER: 1-800-424-9300

SECTION #1 MANUFACTURER

PATTERSON LABORATORIES, INC.
11930 PLEASANT AVENUE
DETROIT, MI 48217

TELEPHONE NUMBER FOR GENERAL INFORMATION: 1-313-843-4500

SECTION #2 HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

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|---------------------------------|----------------|---------------------|
| INERT INGREDIENTS: | 90.00% | |
| SODIUM HYPOCHLORITE AS LABELED: | 10.00% | |
| MANUFACTURED AT | 12.50% | |
| FINISHED PRODUCT: | OSHA (PEL)-N/A | ACGIH (TLV)-N/A |
| CHEMICAL COMMON NAME: | CAS NUMBER | PEL/TLV-SOURCE |
| SODIUM HYPOCHLORITE | 7681-52-9 | 1PPM (CHLORINE GAS) |
| | | 1PPM (CHLORINE GAS) |

SECTION #3 PHYSICAL/CHEMICAL CHARACTERISTICS

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|--|------------------------------|
| BOILING POINT: 217 F DEGREES | MELTING POINT: N/A |
| VAPOR DENSITY (AIR=1): 19.2 | FREEZING POINT: 12 F DEGREES |
| VAPOR PRESSURE (MMHG): 16 | PH: 12.4 |
| VOLATILES BY WEIGHT (%): 90 | EVAPORATION RATE: (*=1): N/A |
| SPECIFIC GRAVITY (WATER=1) 1.082 | *BUTYL ACETATE |
| SOLUBILITY IN WATER: COMPLETE | |
| APPEARANCE/ODOR: PALE YELLOW LIQUID WITH A TYPICAL BLEACH (CHLORINE) ODOR, FREE FROM HAZE OR SEDIMENT. | |

SECTION #4 FIRE & EXPLOSIVE HAZARD DATA

FLASH POINT (O-F)/METHOD USED: N/A
 FLAMMABLE LIMITS (LEL/UEL): NON FLAMMABLE SOLUTION
 EXTINGUISHING MEDIA: USE WATER IN FLOODING QUANTITIES AS FOG.
 SPECIAL FIRE FIGHTING PROCEDURES: WEAR NIOSH APPROVED SELF-CONTAINED BREATHING APPARATUS FOR CHLORINE GAS VAPORS.
 COOL FIRE EXPOSED CONTAINERS WITH WATER SPRAY.
 UNUSUAL FIRE & EXPLOSIVE HAZARDS: BLEACH DECOMPOSES WHEN HEATED TO HIGH TEMPERATURES AND CONTAINERS MY RUPTURE.

FOOL HYPOCHLORITE.....CONTINUED

SECTION #5 REACTIVITY DATA

STABILITY: UNSTABLE IN LIGHT, TEMPERATURES ABOVE 90F DEGREES
CONDITIONS TO AVOID: HEAT & LIGHT
CHEMICAL INCOMPATIBILITY: ACIDS, AMMONIA, ORGANIC
COMPOUNDS, HEAVY METALS AND SALTS THEREOF, AND OXIDIZING OR
REDUCING COMPOUNDS.

HAZARDOUS DECOMPOSITION PRODUCTS: CHLORINE, CHLORINE
DIOXIDE, CHLORAMINES. DECOMPOSITION OF PRODUCTS MAY CAUSE
CONTAINERS TO RUPTURE.

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR

SECTION #6 HEALTH HAZARD DATA

ROUTE OF ENTRY: INHALATION-LIKELY SKIN-LIKELY INGESTION-
UNLIKELY

HEALTH HAZARDS: (ACUTE)- DEPENDING ON SOLUTION CONCENTRATION
MATERIAL MAY BE CORROSIVE TO SKIN, MUCOUS MEMBRANES AND
EYES. VAPORS (CHRONIC)-MAY CAUSE DAMAGE OR INJURY TO EYES,
SKIN AND RESPIRATORY ORGANS.

CARCINOGENICITY: NTP IARC MONOGRAPHS OSHA REGULATED
ND ND ND

NOT DETERMINED FOR PRODUCT OR HAZARDOUS INGREDIENTS
CONTAINED THEREIN.

EFFECTS OF OVER-EXPOSURE TO PRODUCT:

INHALATION: INHALATION OF VAPORS MAY CAUSE BRONCHIAL
IRRITATION, COUGHING, DIFFICULT BREATHING OR PULMONARY EDEMA

INGESTION: IF SWALLOWED, MAY CAUSE BURNING SENSATION AND
CORROSION LARYNGEAL EDEMA, NAUSEA AND VOMITING.

SKIN: SKIN CONTACT MAY RESULT IN BLISTERING AND ECZEMA

EYES: ACCIDENTAL EYE CONTACT WITH LIQUID VAPORS MY PRODUCE
MODERATE TO SEVERE IRRITATION.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: NONE

SECTION #7 PRECAUTIONS FOR SAFE HANDLING AND USE

EYE PROTECTION: AVOID EYE CONTACT. WEAR PROTECTIVE SAFETY
GOOGLES.

SKIN PROTECTION: AVOID PROLONGED SKIN CONTACT. WEAR
PROTECTIVE CLOTHING, RUBBER GLOVES, BOOTS, AND FACE SHIELD.

RESPIRATORY PROTECTION: AVOID INHALATION OF FUMES. WEAR
NIOSH APPROVED RESPIRATORY PROTECTION.

POOL HYPOCHLORITE.....CONTINUED

SECTION #7 PRECAUTIONS FOR SAFE HANDLING AND USE...CONT

HANDLING: USE NORMAL PROCEDURES FOR HANDLING CAUSTIC SUBSTANCES. STORE IN A COOL DARK PLACE AWAY FROM HEAT, LIGHT AND COMBUSTIBLE MATERIALS. STORE BELOW 90 F DEGREES. KEEP CONTAINERS WELL CLOSED BY CHECKING CAP FOR TIGHTNESS. PROVIDE ADEQUATE VENTILATION.

NORMAL CLEAN UP: DILUTE WITH COPIOUS AMOUNTS OF WATER AND MOP

WASTE DISPOSAL: FLUSH WITH WATER TO SEWER IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL ENVIRONMENTAL REGULATIONS.

SECTION #8 FIRST AID MEDICAL EMERGENCY PROCEDURES

EYES: FLUSH EYES THOROUGHLY WITH RUNNING WATER FOR AT LEAST 15 MINUTES

SKIN: RINSE THOROUGHLY WITH RUNNING WATER. IF IRRITATION PERSISTS, CONTACT PHYSICIAN OR LOCAL POISON CONTROL CENTER

INHALATION: IF EFFECTS OCCUR, REMOVE VICTIM TO FRESH AIR. PROVIDE SYMPTOMATIC CARE AND SUPPORT RESPIRATION. GET PROMPT MEDICAL ATTENTION.

SECTION 9 CONTROL MEASURES--OCCUPATIONAL

RESPIRATORY PROTECTION: (SPECIFIC TYPE): NONE REQUIRED

VENTILATION: MAINTAIN ADEQUATE VENTILATION

PROTECTIVE GLOVES: RUBBER

EYE PROTECTION: SPLASH PROOF, CHEMICAL RESISTANT SAFETY GOGGLES.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: UNIFORM, COVERALLS, LAB COAT. CHEMICAL RESISTANT FOOTWEAR.

WORK/HYGIENIC PRACTICES: PROVIDE EYE BATH AND EMERGENCY SHOWER. LAUNDER SOILED CLOTHING BEFORE RE-USE.

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