

*** MATERIAL SAFETY DATA SHEET# 330150 PG# 1 ***

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*** SECTION I - PRODUCT INFORMATION ***

PRODUCT NAME: BLEACH 5.25% HOUSEHOLD
CHEMICAL/Common Name: BLEACH 5.25%
DATE ISSUED: 12/05/97 SUPERCEDE DATE: 12/05/97
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*** SECTION II - INGREDIENT INFORMATION ***

CHEMICAL NAME.....	WGT%.....	EXPOSURE LIMIT.....
SODIUM HYPOCHLORITE	5.25%	CAS#7681-52-9
SODIUM HYDROXIDE	1.0%	CAS#1310-73-2

*** SECTION III - PHYSICAL DATA ***

--- APPEARANCE/ODOR ---
CLEAR LIQUID/PUNGENT

VAPOR PRESSURE: <17MMHG SPECIFIC GRAVITY (WATER=1): 1.09

SOLUBILITY IN WATER:100% PERCENT VOLATILE BY VOL%:91

FREEZE POINT (F):32 VAPOR DENSITY (AIR=1):>1

PH:12-13 EVAP RATE (BUTYL ACETATE=1):>1

BOILING POINT: >DECOMPOSES

*** SECTION IV - FIRE AND EXPLOSION INFORMATION ***

FLASH POINT (F):ND
FLASH POINT METHOD: ND
FLAMMABLE LIMITS: ND

--- EXTINGUISHING MEDIA ---
WATER SPRAY, FOAM, CO2, DRY CHEMICAL

--- SPECIAL FIRE FIGHTING PROCEDURES ---
EVACUATE NON-ESSENTIAL PEOPLE. FIREFIGHTERS SHOULD WEAR
SELF CONTAINED BREATHING APPARATUS WITH A FULL FACEPIECE IN
POSITIVE PRESSURE MODE.

*** MATERIAL SAFETY DATA SHEET# 330150 PG# 2 ***

--- UNUSUAL FIRE AND EXPLOSION HAZARDS ---
USE WATER FOG/SPRAY TO COOL AND LOWER THE PRESSURE OF FIRE
EXPOSED CONTAINERS, TO FLUSH VAPORS AWAY.

*** SECTION V - HEALTH HAZARD DATA ***

--- PRIMARY ROUTES OF ENTRY ---
EYES
SKIN CONTACT

--- SIGNS AND SYMPTOMS ---
EYES: CAUSES BURNS.
SKIN: CONTACT WITH CONCENTRATE SOLUTION WILL RESULT IN DRY SKIN.
PROLONGED OR REPEATED CONTACT MAY CAUSE BURNS OR INJURY
INHALATION: VAPORS OR MISTS MAY CAUSE IRRITATION OF NASAL AND
RESPIRATORY PASSAGES.
INGESTION: CAN CAUSE GASTROINTESTINAL IRRITATION, NAUSEA, VOMITING
OR DIARRHEA.

--- FIRST AID PROCEDURES ---
EYES: IN CASE OF CONTACT IMMEDIATELY FLUSH EYES WITH PLENTY OF WATER
FOR AT LEAST 15 MINUTES. CALL A PHYSICIAN.
SKIN: WASH AFFECTED SKIN AREA WITH SOAP AND WATER.
INHALATION: IF DISCOMFORT IS EXPERIENCED, REMOVE TO FRESH AIR. IF
BREATHING IS DIFFICULT, GIVE OXYGEN AND CALL PHYSICIAN.
INGESTION: GIVE MODERATE AMOUNTS OF WATER. CALL PHYSICIAN.

*** SECTION VI - REACTIVITY DATA ***

STABILITY:N

--- CONDITIONS TO AVOID ---
HEAT, TEMPERATURE EXTREMES, LIGHT.

--- INCOMPATIBILITY (MATERIALS TO AVOID) ---
ND

--- HAZARDOUS DECOMPOSITION PRODUCTS ---
CARBON OXIDES. HYDROGEN CHLORIDE, CHLORINE AND/OR OXYGEN.

HAZARDOUS POLYMERIZATION:N

--- HAZARDOUS POLYMERIZATION CONDITIONS TO AVOID ---
ND

*** SECTION VII - SPILL OR LEAK PROCEDURES ***

--- STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED ---
LARGE SPILLS: (OVER 55 GALLONS) EVACUATE NON-ESSENTIAL PERSONNEL.
WEAR APPROPRIATE PROTECTIVE CLOTHING AND RUBBER BOOTS. SHUT OFF
SOURCE OF LEAK IF SAFE TO DO SO.
SMALL SPILLS: MOP UP AND RINSE AREA.

WARNING: THE FLOOR SURFACE MAY BE SLIPPERY: USE CARE WALKING, WORKING, AND STANDING.

*** MATERIAL SAFETY DATA SHEET# 330150 PG# 3 ***

--- WASTE DISPOSAL INFORMATION ---

DISPOSE OF WASTE IN ACCORDANCE WITH FEDERAL, STATE, AND LOCAL REGULATIONS.

*** SECTION VIII - SPECIAL PROTECTION INFORMATION ***

--- RESPIRATORY PROTECTION (SPECIFY TYPE) ---

FOR MISTS AND SPRAYED MATERIAL USE NIOSH APPROVED RESPIRATOR.

--- VENTILATION ---

WHERE EXPOSURE LIMITS ARE EXCEEDED, USE NIOSH APPROVED RESPIRATOR.

--- PROTECTIVE GLOVES ---

RUBBER

--- EYE PROTECTION ---

CHEMICAL GLASSES OR FACE SHIELD

--- OTHER PROTECTIVE MEASURES ---

ND

*** SECTION IX - SPECIAL PRECAUTIONS ***

--- PRECAUTIONARY LABELING ---

KEEP OUT OF REACH OF CHILDREN.

DO NOT GET IN EYES, ON SKIN OR ON CLOTHING. DO NOT TAKE INTERNALLY.

--- OTHER HANDLING AND STORAGE CONDITIONS ---

STORE AWAY FROM ACIDS, AMMONIA AND REDUCING AGENTS.

*** SECTION X - ADDITIONAL INFORMATION ***

FOR INFORMATION ON APPROPRIATE EMERGENCY PROCEDURES PHONE:800-255-3924

--- OTHER INFORMATION ---

ND

HMIS RATING - HEALTH 2 FLAMMABILITY: 0

REACTIVITY: 1

NA=NOT APPLICABLE - NSR=NO SPECIAL REQUIREMENT - ND=NOT DETERMINED