

# MATERIAL SAFETY DATA SHEET

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VALUE PRODUCTS INC 2128 INDUSTRIAL DRIVE STOCKTON, CA 95206

PRODUCT CODE: 2305

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SUPERSEDES :

## SECTION I PRODUCT IDENTIFICATION

PRODUCT NAME : CHLORINE BLEACH 10.5%  
CHEMICAL NAME : SODIUM HYPOCHLORITE SOLUTION  
FORMULA : PROPRIETARY  
DOT HAZARD CLASS : CORROSIVE, HYPOCHLORITE SOLUTION, UN #1791, PG III

<u>HAZARD RATING (NFPA 704)</u>	<u>HAZARD RATING</u>	<u>PROTECTIVE EQUIPMENT</u>
HEALTH: 3	0=MINIMAL	A=GOGGLES
FIRE: 0	1=SLIGHT	B=GOGGLES, GLOVES
REACTIVITY: 2	2=MODERATE	C=GOGGLES, GLOVES, APRON
PROTECTIVE EQUIPMENT: C&E	3=SERIOUS	D=GOGGLES, GLOVES, APRON, FACE SHIELD
	4=SEVERE	E=GOGGLES, GLOVES, RESPIRATOR

CHEMTREC'S 24 HOUR EMERGENCY TELEPHONE NUMBER 800-424-9300

## SECTION II HAZARDOUS INGREDIENTS

SUBSTANCES LISTED IN THIS SECTION ARE THOSE IDENTIFIED AS BEING PRESENT AT A CONCENTRATION OF 1% OR GREATER, OR 0.1% IF THE SUBSTANCE IS ON THE LIST OF POTENTIAL CARCINOGENS CITED IN OSHA HAZARD COMMUNICATION STANDARD.

<u>MATERIAL</u>	<u>CAS#</u>	<u>PERCENTAGE</u>	<u>TLV</u>	<u>PEL</u>
SODIUM HYPOCHLORITE	7681-52-9	10.5	NA	NA

## SECTION III PHYSICAL DATA

BOILING POINT (°F): 760 mmHg DECOMPOSED	VOLATILE : 100%
VAPOR PRESSURE: VARIABLE	SOLUBILITY IN WATER: COMPLETE
VAPOR DENSITY: (AIR=1): WATER BASED	SPECIFIC GRAVITY: 1.180
EVAPORATION RATE (WATER=1): >1	VISCOSITY: WATER THIN
PH CONCENTRATE: 13.5-14.0	ACTIVE CHLORINE: 10.5%
DESCRIPTION: CLEAR, LIGHT GREENISH YELLOW SOLUTION, CHLORINE ODOR	

## SECTION IV FIRE AND EXPLOSION HAZARDS

FLASH POINTS (°F): NON-COMBUSTIBLE METHOD USED: C.O.C.  
FLAMMABLE LIMITS LEL/UFL: NA  
EXTINGUISHING MEDIA: WATER, CARBON DIOXIDE.  
UNUSUAL FIRE OR EXPLOSIVE HAZARD: MATERIAL IS STRONG OXIDIZER. CONTACT WITH COMBUSTIBLES MAY INITIATE OR PROMOTE COMBUSTION. ACIDS & HEAT WILL ACCELERATE DECOMPOSITION.

## SECTION V HEALTH HAZARD DATA

### SIGNS AND SYMPTOMS OF EXPOSURE (SKIN, EYE CONTACT; INHALATION; INGESTION)

EYE CONTACT : WILL CAUSE IMMEDIATE BURNING AND DAMAGE TO EYE TISSUE, CORNEA.  
INHALATION : CAN CAUSE HEADACHE, NAUSEA, AND IRRITATION TO MUCOUS MEMBRANE.  
INGESTION : WILL CAUSE SEVERE BURNS TO STOMACH LINING AND THROAT.  
SKIN CONTACT : CAN CAUSE IMMEDIATE IRRITATION AND BLISTERING OF SKIN.

**FIRST AID MEASURES**

EYE CONTACT : IMMEDIATELY FLUSH EYES WITH LOTS OF RUNNING WATER FOR 15 MINUTES. SEEK MEDICAL ATTENTION IMMEDIATELY.

INHALATION : REMOVE TO FRESH AREA. IF SYMPTOM DEVELOPS, SEEK MEDICAL ATTENTION IMMEDIATELY.

INGESTION : DRINK LARGE QUANTITIES OF WATER. SEEK MEDICAL ATTENTION IMMEDIATELY.

SKIN CONTACT : WASH SKIN WITH SOAPS AND LOTS OF WATER. IF IRRITATION OCCURS AND PERSISTS SEEK MEDICAL ATTENTION AS NEEDED.

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**SECTION VI****REACTIVITY DATA**

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*STABILITY*: FAIRLY STABLE. STABILITY DECREASES PER INCREASING HEAT, LIGHT, EXPOSURE, STORAGE TIME, AND CONTAMINATION WITH HEAVY METALS, SUCH AS NICKEL, COBALT, COPPER, AND IRON.

*INCOMPATIBILITY (MATERIALS TO AVOID)*: ACIDS, AMMONIA, AMINES, CYANIDES, COMBUSTIBLES, DETERGENTS, OXIDIZERS. CORROSIVE TO MOST METALS.

*HAZARDOUS POLYMERIZATION*: WILL NOT OCCUR.

*CONDITIONS TO AVOID*: OPEN FLAME, HEAT, LIGHT, METALLIC IMPURITIES.

*HAZARDOUS DECOMPOSITION*: CHLORINE GAS UPON CONTACT WITH ACIDS. THERMAL DECOMPOSITION MAY PRODUCE HYDROCHLORIC ACID.

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

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*CLEAN-UP PROCEDURES*: THE MATERIAL IS TOXIC TO FISH. NEUTRALIZE WITH SODIUM SULFITE, SODIUM BISULFITE, AND PLACE IN MATERIAL IN DOT APPROVED CONTAINERS FOR DISPOSAL. FLUSH CONTAMINATED AREAS WITH LARGE AMOUNT OF WATER.

*RECOMMENDED WASTE DISPOSAL METHOD*: DISPOSE OF IN ACCORDANCE WITH ALL APPLICABLE FEDERAL, STATE AND LOCAL REGULATIONS.

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**SECTION VIII****SPECIAL PROTECTION DATA**

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RESPIRATORY PROTECTION : NIOSH APPROVED MIST/VAPOR RESPIRATOR.

EYE PROTECTION : SAFETY GOGGLES, FACE SHIELD.

PROTECTIVE CLOTHING : FULL-LENGTH CLOTHING, RUBBER GLOVES AND BOOTS.

VENTILATION : ADEQUATE LOCAL EXHAUST

OTHER PROTECTIVE MEASURES: EYEWASH AND SAFETY SHOWER.

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**SECTION IX****SPECIAL PRECAUTION**

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*HYGIENIC PRACTICES IN HANDLING STORING*: WASH THOROUGHLY AFTER HANDLING.

*PRECAUTION TO BE TAKEN IN HANDLING AND STORING*: STORE IN COOL, DRY, VENTILATED AREAS AWAY FROM DIRECT SUNLIGHT OR CHEMICALS AS NOTED ABOVE. DO NOT CONTAMINATE FOOD, DRINKS. AVOID BREATHING VAPORS. VACATE FROM POORLY VENTILATED AREAS. DO NOT RETURN UNTIL ODORS HAVE DISSIPATED.

*DISPOSAL OF EMPTY CONTAINER*: EMPTY CONTAINERS SHOULD BE TRIPLE RINSED WITH WATER AND DISPOSED OF PURSUANT TO LOCAL, STATE, AND FEDERAL REQUIREMENTS.

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**SECTION X****USER'S RESPONSIBILITY**

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THE RESPONSIBILITY TO PROVIDE A SAFE WORKPLACE REMAINS WITH THE USER. THE USER SHOULD CONSIDER THE HEALTH HAZARD AND SAFETY INFORMATION CONTAINED HEREIN AS A GUIDE AND SHOULD TAKE THOSE PRECAUTIONS REQUIRED IN AN INDIVIDUAL OPERATION TO INSTRUCT EMPLOYEES AND DEVELOP WORK PRACTICE PROCEDURES FOR A SAFE WORK ENVIRONMENT.

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**THE INFORMATION CONTAINED HEREIN, TO THE BEST OF OUR KNOWLEDGE AND BELIEF, IS ACCURATE. HOWEVER, SINCE THE CONDITIONS OF HANDLING AND USE ARE BEYOND OUR CONTROL, WE MAKE NO GUARANTEE OF RESULTS, AND ASSUME NO LIABILITY FOR DAMAGES INCURRED BY USE OF THIS MATERIAL. IT IS THE RESPONSIBILITY OF THE USER TO COMPLY WITH ALL APPLICABLE FEDERAL, STATE AND LOCAL LAWS AND REGULATIONS.**

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