

VALUE PRODUCTS INC

2128 INDUSTRIAL DR. STOCKTON, CA 95206

PRODUCT CODE: 972055
REVISION : 1DATE ISSUED : 02/05/07
DATE PREPARED: 07/14/03
SUPERSEDES : 05/28/02**SECTION I****PRODUCT IDENTIFICATION**

PRODUCT NAME : **HARD WATER DETERGENT**
 CHEMICAL NAME : HIGHLY ALKALINE DETERGENT BLEND
 FORMULA : PROPRIETARY
 DOT HAZARD CLASS : CORROSIVE, SODIUM HYDROXIDE SOLUTION, UN #1824

HAZARD RATING (NFPA 704)	HAZARD RATING	PROTECTIVE EQUIPMENT
HEALTH: 3	0=MINIMAL	A=GOGGLES
FIRE: 0	1=SLIGHT	B=GOGGLES, GLOVES
REACTIVITY: 0	2=MODERATE	C=GOGGLES, GLOVES, APRON
PROTECTIVE EQUIPMENT: 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.

MATERIAL	CAS#	TLV	PEL
SODIUM HYDROXIDE	1310-73-2	2mg/m3	2mg/m3
TETRASODIUM ETHYLENE-DIAMINETETRAACETIC ACID	64-02-8	N/A	N/A

SECTION III**PHYSICAL DATA**

BOILING POINT : 212 °F
 VAPOR PRESSURE (AIR=1): >1
 VAPOR DENSITY (AIR=1): >1
 EVAPORATION RATE (WATER=1):>1
 PH OF CONCENTRATE SOLUTION: 13.0-14.0
 DESCRIPTION: CLEAR ORANGE SOLUTION

VOLATILE : 67.5%
 SOLUBILITY IN WATER: COMPLETE
 SPECIFIC GRAVITY: 1.26
 VISCOSITY: 50 CPS @68°F

SECTION IV**FIRE AND EXPLOSION HAZARDS**

FLASH POINTS: NON-COMBUSTIBLE
 EXTINGUISHING MEDIA: WATER SPRAY, FOAM, CARBON DIOXIDE.
 UNUSUAL FIRE OR EXPLOSIVE HAZARD: WATER RUN-OFF FROM FIRE FIGHTING MAY BE SLIPPERY.
 MAY GENERATE HYDROGEN GAS. REACT VIOLENTLY WITH METALS SUCH AS TIN, ZINC, ALUMINUM.

METHOD USED: C.O.C.

SECTION V**HEALTH HAZARD DATA****SIGNS AND SYMPTOMS OF EXPOSURE (SKIN, EYE CONTACT; INHALATION; INGESTION)**

EYE CONTACT : VAPORS, MISTS, OR LIQUID ARE CORROSIVE TO EYES. BRIEF DIRECT CONTACT TO EYES MAY CAUSE PAIN, LACHRYMATION (TEAR), AND SEVERE DAMAGE TO CORNEAL. SERIOUS INJURY MAY RESULT IN PERMANENT IMPAIRMENT OF VISION.

INHALATION : CORROSIVE TO NOSE, THROAT, AND MUCOUS MEMBRANE. EXCESSIVE EXPOSURE MAY CAUSE SEVERE INJURY TO UPPER RESPIRATORY TRACT AND LUNGS.

INGESTION : CAN CAUSE IRRITATION OR SEVERE BURN TO MOUTH, THROAT, AND GASTROINTESTINAL TRACT. MAY ALSO CAUSE ULCERATION. SWALLOWING LARGE QUANTITIES MAY CAUSE SERIOUS INJURY.

SKIN CONTACT : SHORT, SINGLE EXPOSURE MAY CAUSE SEVERE BURN TO SKINS.

FIRST AID MEASURES

EYE CONTACT : IMMEDIATELY FLUSH EYES WITH LOTS OF RUNNING WATER FOR AT LEAST 15 MINUTES. HOLD EYELIDS APART TO ENSURE SEEK MEDICAL ATTENTION IF IRRITATION PERSISTS.

INHALATION : REMOVE TO FRESH AREA. IF BREATHING IS DIFFICULT, ADMINISTER OXYGEN. IF BREATHING STOPS, GIVE ARTIFICIAL RESUSCITATION.

INGESTION : DO NOT INDUCE VOMITING. TREAT AS SOAP OR DETERGENT DIGESTION. DRINK LARGE QUANTITIES OF WATER AND SEEK MEDICAL ATTENTION IMMEDIATELY. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONCIOUS PERSON.

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

SECTION VI**REACTIVITY DATA**

STABILITY: STABLE

INCOMPATIBILITY (MATERIALS TO AVOID): STRONG ACIDS, OXIDIZERS.

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR

CONDITIONS TO AVOID: HIGH TEMPERATURE, SOURCES OF IGNITION.

HAZARDOUS DECOMPOSITION: FLAMMABLE HYDROGEN GAS, POISONOUS CARBON MONOXIDE.

SECTION VII**SPILL OR LEAK PROCEDURES**

CLEAN-UP PROCEDURES: CONTAIN SPILL WITH INERT MATERIAL THEN TRANSFER TO SEALABLE CONTAINERS FOR DISPOSAL. AVOID SPREADING. KEEP OUT OF PUBLIC BODY OF WATER, SEWERS, DRAINAGES. FLUSH CONTAMINATED AREAS WITH WATER AFTER ALL VISIBLE TRACES OF SPILLS HAVE BEEN REMOVED.

RECOMMENDED WASTE DISPOSAL METHOD: DISPOSE OF IN ACCORDANCE WITH ALL APPLICABLE FEDERAL, STATE AND LOCAL REGULATIONS. NOTIFY APPLICABLE AUTHORITIES OF SPILLS AND DISPOSAL METHODS.

SECTION VIII**SPECIAL PROTECTION DATA**

RESPIRATORY PROTECTION : GENERALLY NOT REQUIRED.

EYE PROTECTION : SAFETY GOGGLES.

PROTECTIVE CLOTHING : FULL-LENGTH CLOTHING.

VENTILATION : MECHANICAL VENTILATION

OTHER PROTECTIVE MEASURES: EYEWASH AND SAFETY SHOWER.

SECTION IX**SPECIAL PRECAUTION**

HYGIENIC PRACTICES IN HANDLING STORING: WASH THOROUGHLY AFTER HANDLING.

PRECAUTION TO BE TAKEN IN HANDLING AND STORING: STORE IN COOL, DRY, VENTILATED AREAS. DO NOT OVERHEAT OR FREEZE. CONCENTRATED SOLUTION CAN BE SLIPPERY.

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

SECTION X**USER'S RESPONSIBILITY**

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.

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.

REVISION ONE: FORMULA CHANGE