

MATERIAL SAFETY DATA SHEET

VALUE PRODUCTS, INC.

2128 INDUSTRIAL DRIVE, STOCKTON, CA 95206

PRODUCT CODE: 2307

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SECTION I PRODUCT IDENTIFICATION

PRODUCT NAME : BREAK UP
CHEMICAL NAME : HIGHLY ALKALINE DETERGENT BLEND
FORMULA : PROPRIETARY
DOT HAZARD CLASS : UN 1760 CORROSIVE LIQUIDS, N.O.S. (POTASSIUM HYDROXIDE 7%, HYDROXIDE 28%)

Table with 3 columns: HAZARD RATING (NFPA 704), HAZARD RATING, and PROTECTIVE EQUIPMENT. Rows include HEALTH, FIRE, REACTIVITY, and PROTECTIVE EQUIPMENT: D.

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.

Table with 4 columns: MATERIAL, CAS#, TLV, PEL. Rows include SODIUM HYDROXIDE and POTASSIUM HYDROXIDE.

SECTION III PHYSICAL DATA

BOILING POINT : 212 °F
VAPOR PRESSURE (AIR =1): >1
VAPOR DENSITY: (AIR=1): >1
EVAPORATION RATE (WATER=1):>1
DESCRIPTION: RED CLEAR COLOR
VOLATILE : 61%
SOLUBILITY IN WATER: COMPLETE
SPECIFIC GRAVITY: 1.381+/-0.005
VISCOSITY: 25 CPS @ 68 °F
PH (1% SOLUTION): 13.0+/-0.5

SECTION IV FIRE AND EXPLOSION HAZARDS

FLASH POINTS: NON-COMBUSTIBLE
EXTINGUISHING MEDIA: WATER SPRAY, FOAM, CARBON DIOXIDE MAY BE USED.
UNUSUAL FIRE OR EXPLOSIVE HAZARD: MAY GENERATE HYDROGEN GAS, AND EVOLVE LARGE AMOUNT OF HEAT UPON CONTACT WITH ZINC, ALUMINUM, TIN, AND OTHER ACTIVE METALS.

SECTION V HEALTH HAZARD DATA

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

EYE CONTACT : VAPOR, LIQUID, AND MISTS ARE CORROSIVE TO EYES. BRIEF CONTACT OF THIS MATERIAL WILL CAUSE SEVERE DAMAGE TO EYES.
INHALATION : MAY CAUSE SEVERE IRRITATION OF NOSE, MOUTH. 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.
SKIN CONTACT : SHORT, SINGLE EXPOSURE MAY CAUSE BURN TO SKINS. PROLONGED LIQUID CONTACT WILL BURN AND DESTROY SURROUNDING TISSUES.

FIRST AID MEASURES

EYE CONTACT : IMMEDIATELY AND IMPERATIVELY FLUSH EYES WITH LOTS OF RUNNING WATER FOR AT LEAST 15 MINUTES.
INHALATION : REMOVE TO FRESH AIR. IF NOT BREATHING, GIVE MOUTH TO MOUTH RESUSCITATION.
INGESTION : DO NOT INDUCE VOMITING. DRINK LARGE QUANTITIES OF WATER AND TRANSPORT VICTIM TO MEDICAL FACILITY IMMEDIATELY.
SKIN CONTACT : WASH SKIN WITH LOTS OF SOAP AND WATER FOR AT LEAST 15 MINUTES. REMOVE CONTAMINATED CLOTHING AND SHOES; WASH BEFORE REUSE.

SECTION VI REACTIVITY DATA

STABILITY: STABLE
INCOMPATIBILITY (MATERIALS TO AVOID): AVOID MIXING OF THIS MATERIAL WITH STRONG ACIDS OR OXIDIZERS. ALSO AVOID METALS SUCH AS ALUMINUM, TIN, GALVANIZED ZINC, BRASS AND BRONZE.
HAZARDOUS POLYMERIZATION: WILL NOT OCCUR.
HAZARDOUS DECOMPOSITION: FLAMMABLE HYDROGEN GAS WILL BE LIBERATED UPON CONTACT WITH SOME METALS SUCH AS ALUMINUM.

SECTION VII SPILL OR LEAK PROCEDURES

CLEAN-UP PROCEDURES: ONLY TRAINED AND PROPERLY PROTECTED PERSONNEL SHOULD BE INVOLVED IN SPILLED CLEAN-UP OPERATIONS. WEAR ALKALINE-RESISTANT SUIT AND COMPLETE PROTECTIVE EQUIPMENTS INCLUDING RUBBER GLOVES, RUBBER BOOTS, AND SELF-BREATHING APPARATUS DURING CLEAN-UP OPERATIONS.
RECOMMENDED WASTE DISPOSAL METHOD: THE MATERIALS RESULTED FROM THE CLEAN-UP OPERATIONS MAY BE HAZARDOUS; THEREFORE, ARE SUBJECTED TO SPECIFIC REGULATIONS.

SECTION VIII SPECIAL PROTECTION DATA

RESPIRATORY PROTECTION : NIOSH-APPROVED RESPIRATOR EQUIPPED WITH CARTRIDGE FOR ORGANIC/ACID VAPORS WHEN PERMISSIBLE EXPOSURE LIMITS ARE EXCEEDED.
EYE PROTECTION : CHEMICAL GOGGLES.
PROTECTIVE CLOTHING : RUBBER GLOVES, APRON, FULL-LENGTH CLOTHING.
VENTILATION : LOCAL MECHANICAL EXHAUST VENTILATION.
OTHER PROTECTIVE MEASURES: EYEWASH AND SAFETY SHOWER SHOULD BE NEARBY AND READY FOR USE.

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. KEEP CONTAINERS TIGHTLY CLOSED WHEN NOT IN USE.
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.