

MATERIAL SAFETY DATA SHEET

VALUE PRODUCTS INC 2128 INDUSTRIAL DRIVE STOCKTON, CA 95206

PRODUCT CODE: 1343

REVISION : 3
DATE ISSUED: 06/27/04
SUPERSEDES : 06/29/00

SECTION I PRODUCT IDENTIFICATION

PRODUCT NAME : MARK 400
CHEMICAL NAME : HIGHLY ALKALINE DETERGENT BLEND
FORMULA : PROPRIETARY
DOT HAZARD CLASS : SODIUM HYDROXIDE, SOLID, MIXTURE, 8, UN1823, PG II

HAZARD RATING (NFPA 704) HAZARD RATING SCALE
HEALTH: 3 0=MINIMAL
FIRE: 0 1=SLIGHT
REACTIVITY: 0 2=MODERATE
SPECIAL: NONE 3=SERIOUS
4=SEVERE

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 (BASED ON 100% FORMULA LEVEL), CAS#, TLV, PEL. Rows include Sodium Hydroxide, Sodium Dichloroisocyanurate, and Sodium Tripoly Phosphate.

SECTION III PHYSICAL DATA

BOILING POINT : NOT APPLICABLE VOLATILE : NA
VAPOR PRESSURE: NOT ESTABLISHED SOLUBILITY IN WATER: COMPLETE
VAPOR DENSITY: (AIR=1): NA EVAPORATION RATE (H2O=1): NA
SPECIFIC GRAVITY: NA VISCOSITY: NA
PH 1% SOLUTION: 12.3-12.6
DESCRIPTION: WHITE GRANULAR POWDER, SLIGHTLY CHLORINE ODOR

SECTION IV FIRE AND EXPLOSION HAZARDS

FLASH POINTS: NON-COMBUSTIBLE

FLAMMABLE LIMITS LEL/UEL: NA

METHOD USED: C.O.C.

EXTINGUISHING MEDIA: WATER SPRAY, FOAM, CARBON DIOXIDE MAY BE USED. WATER RUN-OFF FROM FIREFIGHTING OPERATIONS MAY BE CORROSIVE. WEAR FULL PROTECTIVE CLOTHING AND SELF-CONTAINED BREATHING APPARATUS.

UNUSUAL FIRE OR EXPLOSIVE HAZARD: NITROGEN TRICHLORIDE CAN BE GENERATED BY REACTION OF WATER ON THIS CHLORINE CONTAINING PRODUCT. CONTACT WITH METALS SUCH AS MAGNESIUM, ALUMINUM, GALVANIZED ZINC TO GENERATE EXPLOSIVE HYDROGEN GAS.

SECTION V

HEALTH HAZARD DATA

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

EYE CONTACT : DESTRUCTIVE TO EYE TISSUE UPON CONTACT. SMALL QUANTITIES MAY RESULT IN PERMANENT DAMAGE OR LOSS OF VISION.

INHALATION : CAN CAUSE IRRITATION TO THROAT AND RESPIRATORY TRACT. A BURNING SENSATION IN THE NOSE, THROAT AS WELL AS COUGHING AND CHOKING MAY BE NOTED. CONTINUED DEEP INHALATION MAY DAMAGE LUNG TISSUES.

INGESTION : CAN CAUSE SEVERE BURN OF MUCOUS MEMBRANE OF THE MOUTH, THROAT, ESOPHAGUS, AND STOMACH. MAY BE FATAL.

SKIN CONTACT : CAN CAUSE IRRITATION TO SKIN UPON CONTACT WITH POWDER. CONTACTING WITH CONCENTRATED SOLUTION WILL CAUSE IMMEDIATE LOCAL REACTION INCLUDING ITCHING, IRRITATION, FOLLOWED BY LOSS OF SURFACE LAYERS OF SKINS. PROLONGED CONTACT WITH SOLUTION MAY CAUSE CHRONIC DERMATITIS.

FIRST AID MEASURES

EYE CONTACT : IMMEDIATELY FLUSH EYES WITH LOTS OF RUNNING WATER FOR 15 MINUTES, LIFTING THE UPPER AND LOWER EYELIDS TO ENSURE FLUSHING OF THE ENTIRE SURFACE. SEEK MEDICAL ATTENTION AS NEEDED.

INHALATION : REMOVE TO FRESH AREA. IF BREATHING IS DIFFICULT, ADMINISTER OXYGEN. IF BREATHING STOP, START ARTIFICIAL RESUSCITATION. TRANSPORT VICTIM TO A MEDICAL FACILITY IMMEDIATELY.

INGESTION : DO NOT INDUCE VOMITING. DRINK LARGE QUANTITIES OF WATER AND SEEK MEDICAL ATTENTION IMMEDIATELY. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.

SKIN CONTACT : WASH SKIN WITH LOTS OF SOAP AND WATER. REMOVE CONTAMINATED CLOTHING AND SHOES; WASH BEFORE REUSE. IF IRRITATION OCCURS AND PERSISTS SEEK MEDICAL ATTENTION AS NEEDED.

SECTION VI

REACTIVITY DATA

STABILITY: STABLE
INCOMPATIBILITY(MATERIALS TO AVOID): ACIDS, OXIDIZERS.
POLYMERIZATION: WILL NOT OCCUR
CONDITIONS TO AVOID: HEAT, HUMID CONDITION.
HAZARDOUS DECOMPOSITION: EXOTHERMIC REACTIONS WHEN MIXED WITH STRONG ACIDS TO LIBERATE CHLORINE GAS. REACT WITH FOOD/DRINKS CONTAINING SUGAR TO FORM CARBON MONOXIDE

SECTION VII

SPILL OR LEAK PROCEDURES

CLEAN-UP PROCEDURES: WEAR PROTECTIVE EQUIPMENTS INCLUDING NIOSH-APPROVED FULL FACEPIECE COMBINATION DUST/MIST AND ACID GAS RESPIRATORS, RUBBER BOOTS, AND FULL-LENGTH CLOTHING DURING CLEAN-UP OPERATIONS. ONLY TRAINED PERSONNEL SHOULD BE INVOLVED. SWEEP UP, VACUUM AND PLACE MATERIAL IN DRY, SEALABLE CONTAINERS FOR DISPOSAL. AVOID DUSTING.

RECOMMENDED WASTE DISPOSAL METHOD: DISPOSE OF IN ACCORDANCE WITH ALL APPLICABLE FEDERAL, STATE AND LOCAL REGULATIONS. ENSURE THAT ALL RESPONSIBLE FEDERAL, STATE, LOCAL AGENCIES RECEIVE PROPER NOTIFICATION OF SPILLS AND DISPOSAL METHODS.

SECTION VIII

SPECIAL PROTECTION DATA

RESPIRATORY PROTECTION : NIOSH-APPROVED DUST MASK, RESPIRATOR EQUIPPED WITH ORGANIC VAPOR/MIST CARTRIDGES.

EYE PROTECTION : SAFETY GOGGLES.

PROTECTIVE CLOTHING : RUBBER GLOVES, FULL-LENGTH CLOTHING.

VENTILATION : LOCAL MECHANICAL EXHAUST

OTHER PROTECTIVE MEASURES: EYEWASH FOUNTAIN AND SAFETY SHOWER

SECTION IX

SPECIAL PRECAUTION

HYGIENIC PRACTICES IN HANDLING STORING: WASH THOROUGHLY AFTER HANDLING. DO NOT EAT, DRINK, SMOKE IN THE WORKING AREAS.

PRECAUTION TO BE TAKEN IN HANDLING AND STORING: STORE IN COOL, DRY, VENTILATED AREAS, AWAY FROM OXIDIZERS, ACIDS.

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

10/27/93 REVISED DOT CLASSIFICATION, HAZARDOUS INGREDIENTS, FIRST AID, SPILL PROCEDURES, DISPOSAL PRECAUTION.

06/01/94 REVISED EMERGENCY PHONE NUMBER

06/29/00 REVISED HAZARD RATING