

MATERIAL SAFETY DATA SHEET

VALUE PRODUCTS INC 2128 INDUSTRIAL DRIVE STOCKTON, CA 95206

PRODUCT CODE: 2322 REVISION : 3
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SUPERSEDES : 11/22/94

SECTION I PRODUCT IDENTIFICATION

PRODUCT NAME : BRIGHT & CLEAN 5000 / PERFORM 5000
CHEMICAL NAME : HIGHLY ALKALINE/POLYMER BLEND
FORMULA : PROPRIETARY
DOT HAZARD CLASS : CORROSIVE, POTASSIUM HYDROXIDE SOLUTION, UN#1814

Table with 3 columns: HAZARD RATING (NFPA 704), HAZARD RATING, and PROTECTIVE EQUIPMENT. Rows include HEALTH: 3, FIRE: 0, REACTIVITY: 0, 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 (BASED ON 100% FORMULA LEVEL), CAS#, TLV, and PEL. Row: POTASSIUM HYDROXIDE 50%, 1310-58-3, 2mg/m^3, 2mg/m^3

SECTION III PHYSICAL DATA

BOILING POINT (°F) : 212 VOLATILE : 60%
VAPOR PRESSURE: 17 mmHg WATER SOLUBILITY IN WATER: COMPLETE
VAPOR DENSITY: (AIR=1): > 1 EVAPORATION RATE (H2O=1): 1.0
SPECIFIC GRAVITY: 1.260-1.270 VISCOSITY (@ 68°F): 25-50 CPS
PH 1% SOLUTION: 12.5-13.0
DESCRIPTION: MODERATELY VISCOUS, CLEAR, BLUE SOLUTION

SECTION IV FIRE AND EXPLOSION HAZARDS

FLASH POINTS: NON-COMBUSTIBLE METHOD USED: C.O.C.
FLAMMABLE LIMITS LEL/UEL: NA
EXTINGUISHING MEDIA: WATER SPRAY, FOAM, CARBON DIOXIDE MAY BE USED. WATER RUN-OFF FROM FIREFIGHTING OPERATIONS MAY BE CORROSIVE.
UNUSUAL FIRE OR EXPLOSIVE HAZARD: 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. A SMALL QUANTITY CAN RESULT IN PERMANENT DAMAGE AND/OR LOSS OF VISION IF EYES ARE NOT PROMPTLY AND PROPERLY TREATED.

- 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 EXCESSIVE AMOUNT OF MIST AND VAPORS MAY RESULT IN DAMAGES INCLUDING DESTRUCTION OF LUNG TISSUES, SEVERE PNEUMONITIS.
- INGESTION : CAN CAUSE SEVERE BURN OF MUCOUS MEMBRANE OF THE MOUTH, THROAT, ESOPHAGUS, AND STOMACH. MAY RESULT IN PERMANENT DAMAGE OF TISSUES WHEREAS CONTACT IS MADE.
- SKIN CONTACT : SINGLE CONTACT WITH CONCENTRATED SOLUTION WILL CAUSE IMMEDIATE LOCAL REACTION INCLUDING ITCHING, IRRITATION. LOSS OF SURFACE LAYERS OF SKIN MAY OCCUR IF IMMEDIATE TREATMENT IS NOT FOLLOWED. PROLONGED CONTACT WITH THIS PRODUCT 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 IMMEDIATELY.
- INHALATION : REMOVE TO FRESH AIR. 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. IF VOMITING OCCUR INVOLUNTARILY, ADMINISTER ADDITIONAL WATER. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.
- SKIN CONTACT : WASH SKIN WITH LOTS OF SOAP AND WATER. IF SKIN IS FELT SLIPPERY, CAUSTIC IS STILL PRESENT IN SUFFICIENT QUANTITIES TO CAUSE RASH BURN. CONTINUE WASHING UNTIL SLICK SKIN FEELING IS COMPLETELY GONE. 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, ORGANIC MATERIALS MAY CAUSE VIOLENT REACTIONS.

POLYMERIZATION: WILL NOT OCCUR

CONDITIONS TO AVOID: EXCESSIVE HEAT.

HAZARDOUS DECOMPOSITION: CARBON MONOXIDE

SECTION VII SPILL OR LEAK PROCEDURES

CLEAN-UP PROCEDURES:

FOR SMALL SPILL OR DRIPS: MOP OR WIPE-UP AND DISPOSE OF IN DOT-APPROVED WASTE CONTAINERS. FLUSH CONTAMINATED AREA WITH WATER.

FOR MAJOR SPILL: WEAR ALKALI-RESISTANT SUIT AND COMPLETE PROTECTIVE EQUIPMENT INCLUDING RUBBER GLOVES, RUBBER BOOTS, AND A SELF-CONTAINED BREATHING APPARATUS IN THE PRESSURE DEMAND MODE OR A SUPPLIED-AIR RESPIRATOR. ALWAYS WEAR EYE PROTECTION. ONLY TRAINED PERSONNEL SHOULD BE INVOLVED. ISOLATE AREAS. DIKE WITH SOIL OR OTHER ABSORBENT MATERIALS TO CONTAIN SPILLS. KEEP OUT OF SEWERS, STORM DRAINS, SURFACE WATER. RECLAIM AS MUCH AS POSSIBLE IN DOT-APPROVED WASTE CONTAINERS. DILUTE SPILL WITH LARGE AMOUNT OF WATER IF NECESSARY, THEN NEUTRALIZE WITH DILUTED ACIDS. USE VACUUM TRUCK TO PICK UP NEUTRALIZED MATERIAL FOR PROPER DISPOSAL. AFTER ALL VISIBLE TRACES HAVE BEEN REMOVED, FLUSH CONTAMINATED AREAS WITH WATER.

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 : RESPIRATOR IF USE CONDITION GENERATES MISTS/VAPORS
EYE PROTECTION : SAFETY GOGGLES.
PROTECTIVE CLOTHING : RUBBER GLOVES, FULL-LENGTH CLOTHING.
VENTILATION : ADEQUATE LOCAL VENTILATION
OTHER PROTECTIVE MEASURES: ACCESS TO WATER SOURCE IF EYEWASH FOUNTAIN AND SAFETY
SHOWER ARE NOT AVAILABLE.

SECTION IX**SPECIAL PRECAUTION**

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

PRECAUTION TO BE TAKEN IN HANDLING AND STORING: STORE IN COOL, DRY, VENTILATED AREAS.
HAZARDOUS VAPOR CAN BE EVOLVED WHEN MATERIAL IS HEATED DURING PROCESSING OPERATIONS.
KEEP CONTAINERS 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.***

REVISION

11/01/93 REVISED NFTA RATING
06/01/94 REVISED EMERGENCY PHONE NUMBER, HAZARD RATING SCALE
08/11/94 REVISED FORMULA