

# MATERIAL SAFETY DATA SHEET

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VALUE PRODUCTS INC

2128 INDUSTRIAL DRIVE STOCKTON, CA 95206

PRODUCT CODE: 2446

REVISION :  
DATE ISSUED: 12/20/04  
SUPERSEDES :

## SECTION I

## PRODUCT IDENTIFICATION

PRODUCT NAME : **LIME REMOVER**  
CHEMICAL NAME : ACID-SURFACTANT BLEND  
FORMULA : PROPRIETARY  
DOT HAZARD CLASS : CORROSIVE, 8, PHOSPHORIC ACID SOLUTION UN #1805

| <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: 3                   | 2=MODERATE           | C=GOGGLES, GLOVES, APRON              |
| PROTECTIVE EQUIPMENT: D         | 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#      | PERCENTAGE | TLV    | PEL    |
|---------------------|-----------|------------|--------|--------|
| PHOSPHORIC ACID 75% | 7664-38-2 | 40-50      | 1mg/m3 | 1mg/m3 |

## SECTION III

## PHYSICAL DATA

BOILING POINT : 212 °F  
VAPOR PRESSURE (AIR=1): >1  
VAPOR DENSITY: (AIR=1): >1  
EVAPORATION RATE (WATER=1): 1  
PH CONCENTRATE: 1.0 ± 0.5  
DESCRIPTION: CLEAR GREEN SOLUTION, PUNGENT ODOR

VOLATILE : 65%  
SOLUBILITY IN WATER: COMPLETE  
SPECIFIC GRAVITY: 1.24 ± 0.005  
VISCOSITY: 25 CPS @ 68 °F

## SECTION IV

## FIRE AND EXPLOSION HAZARDS

FLASH POINTS: NON-FLAMMABLE  
FLAMMABLE LIMITS LEL/UEL: NA  
METHOD USED: NA  
EXTINGUISHING MEDIA: WATER.  
UNUSUAL FIRE OR EXPLOSIVE HAZARD: MAY GENERATE HYDROGEN GAS, AND TOXIC PHOSPHOROUS OXIDE FUMES AT FLAME TEMPERATURE.

## SECTION V

## HEALTH HAZARD DATA

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

EYE CONTACT : WILL CAUSE PAIN, SEVERE DAMAGE TO CORNEAL. THE PRODUCT IS DESTRUCTIVE TO EYE TISSUES IF EYES ARE NOT PROMPTLY TREATED.

INHALATION : MAY CAUSE IRRITATION OF NOSE, MOUTH, AND UPPER RESPIRATORY TRACT AND LUNGS. CHOKING, COUGHING MAY ALSO BE NOTED. DEEP INHALATION MAY DAMAGE LUNG TISSUES.

INGESTION : CAN CAUSE SEVERE BURN TO MOUTH, THROAT, GASTROINTESTINAL TRACT, AND STOMACH. MAY ALSO CAUSE ULCERATION.

SKIN CONTACT : IMMEDIATE LOCAL REACTIOPN INCLUDING REDNESS, ITCHING, IRRITATION, OR BURN, FOLLOED BY LOSS OF SURFACE LAYERS OF THE SKIN. PROLONGED CONTACT WITH THE DILUTE SOLUTION WILL CAUSE CHRONIC DERMATITIS.

**FIRST AID MEASURES**

EYE CONTACT : IMMEDIATELY AND IMPERATIVELY FLUSH EYES WITH LOTS OF RUNNING WATER FOR AT LEAST 15 MINUTES, LIFTING THE UPPER AND LOWER EYELIDS TO ENSURE FLUSHING OF THE ENTIRE SURFACE. PROMPT MEDICAL ATTENTION IS ESSENTIAL.

INHALATION : REMOVE TO FRESH AIR. IF NOT BREATHING, GIVE MOUTH TO MOUTH RESUSCITATION. IF BREATHING IS DIFFICULT, ADMINISTER OXYGEN. CALL A PHYSICIAN.

INGESTION : DO NOT INDUCE VOMITING. DRINK LARGE QUANTITIES OF WATER AND TRANSPORT VICTIM TO MEDICAL FACILITY 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.

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

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STABILITY: STABLE  
INCOMPATIBILITY (MATERIALS TO AVOID): STRONG ALKALIES OR OXIDIZERS.  
HAZARDOUS POLYMERIZATION: WILL NOT OCCUR  
CONDITIONS TO AVOID: DIRECT FLAME.  
HAZARDOUS DECOMPOSITION: TOXIC PHOSPHOROUS OXIDE FUMES MAY BE GENERATED AT FLAME TEMPERATURES.

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

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CLEAN-UP PROCEDURES: ONLY TRAINED AND PROPERLY PROTECTED PERSONNEL SHOULD BE INVOLVED IN SPILLED CLEAN-UP OPERATIONS. WEAR PROTECTIVE CLOTHING. MOP UP AND PLACE MATERIAL IN SEALABLE CONTAINERS FOR DISPOSAL. FLUSH CONTAMINATED AREAS WITH WATER AFTER ALL VISIBLE TRACES OF SPILLS HAVE BEEN REMOVED.  
RECOMMENDED WASTE DISPOSAL METHOD: THE MATERIALS RESULTED FROM THE CLEAN-UP OPERATIONS MAY BE HAZARDOUS; THEREFORE, ARE SUBJECTED TO SPECIFIC REGULATIONS. DISPOSE OF IN ACCORDANCE WITH ALL APPLICABLE FEDERAL, STATE AND LOCAL REGULATIONS. ENSURE THAT ALL APPLICABLE AGENCIES RECEIVE PROPER NOTIFICATION OF SPILL AND DISPOSAL METHODS.

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

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RESPIRATORY PROTECTION : NIOSH-APPROVED RESPIRATOR EQUIPPED WITH CARTRIDGE FOR ORGANIC/ACID VAPORS IF USE CONDITIONS GENERATE MIST/VAPORS.

EYE PROTECTION : CHEMICAL GOGGLES.

PROTECTIVE CLOTHING : RUBBER GLOVES, APRON. FULL-LENGTH CLOTHING AND SAFETY SHOES.

VENTILATION : LOCAL EXHAUST VENTILATION

OTHER PROTECTIVE MEASURES: EYEWASH AND SAFETY SHOWER SHOULD BE NEARBY AND READY FOR USE.

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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.  
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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