

MATERIAL SAFETY DATA SHEET

OSHA MEETS 29 CFR 1910.1200 STANDARDS

HMIS HAZARD RATINGS



HEALTH	2	0 = INSIGNIFICANT	3 = HIGH
FLAMMABILITY	0	1 = SLIGHT	4 = EXTREME
REACTIVITY	0	2 = MODERATE	

TRANSPORTATION INFORMATION

PROPER SHIPPING NAME : Caustic alkali liquids, n o s (potassium hydroxide)
 HAZARD CLASS / PKG GRP : 8 / III REF: 49 CFR 173.154, 203.241
 IDENTIFICATION NUMBER : UN 1719 LABEL: CORROSIVE

SECTION 1 - PRODUCT / COMPANY IDENTIFICATION

IDENTITY (AS USED ON LABEL AND LIST)
DETERGENT 3000

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MANUFACTURER'S NAME

Vista Serv Corporation

EMERGENCY TELEPHONE NUMBER

CHEM • TEL (800) 255-3924

ADDRESS (NUMBER, STREET, P.O. BOX)

6093 Clark Center Avenue

TELEPHONE NUMBER FOR INFORMATION

(941) 925-9277

(CITY, STATE AND ZIP CODE)

Sarasota, Florida 34238-2718

DATE PREPARED: December 5, 1995

SUPERCEDES: New

SECTION 2 - HAZARDOUS INGREDIENTS / IDENTITY INFORMATION

HAZARDOUS COMPONENTS (SPECIFIC CHEMICAL IDENTITY; COMMON NAME(S))	CAS#	% (OPTIONAL)	ACGIH TWA PPM	ACGIH STEL MG/M ³	SARA TITLE III	RQ LBS
Potassium hydroxide (a)	1310-58-3					1000
Sodium silicate	1344-09-8					
Sodium phosphate, tribasic (STPP) (a)	7758-29-4					5000

(a) Indicates the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) has notification requirements for releases or spills to the environment of the Reportable Quantity (RQ this product = 8,000 lbs) or greater amounts, according to 40 CFR 302.

SECTION 3 - HEALTH HAZARD DATA

ROUTES OF ENTRY - SIGNS AND SYMPTOMS OF EXPOSURE

EMERGENCY AND FIRST AID PROCEDURES

INHALATION: Corrosive and irritating to upper respiratory tract and mucous membranes

Remove victim to fresh air; wash mouth and nasal passages with water repeatedly; if breathing difficulties persist seek medical attention.

SKIN: Corrosive and irritating; chemical burns may result from contact; severe irritant

Wash contacted area with soap and water; DO NOT attempt to neutralize with chemical agents; if irritation persists, seek medical attention.

EYES: CORROSIVE; Contact with eyes is painful and irritating and will cause chemical burns.

Immediately flush eyes for 15 minutes in clear running water while holding eyelids open; get medical attention immediately.

INGESTION: Corrosive and irritating to digestive tract; may cause gastric distress, stomach pains and vomiting.

Drink large quantities of water or milk; give diluted vinegar or lemon juice to conscious person; DO NOT induce vomiting; seek medical attention immediately.

HEALTH HAZARDS (ACUTE AND CHRONIC): Corrosive to skin and eyes; prolonged inhalation of this product may cause ulcers to the upper respiratory tract; no long term health effects are known at this time

CARCINOGENICITY:

NTP? No

IARC MONOGRAPHS? No

OSHA REGULATED? No

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: Preexisting skin, eye, or respiratory disorders may become aggravated through prolonged exposure.

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Date: December 5, 1995**SECTION 4 - FIRE FIGHTING MEASURES**FLASH POINT (METHOD USED) FLAMMABLE LIMITS LEL: UEL:
Non-flammable Not applicable Not applicableEXTINGUISHING MEDIA
CO₂; water; water fog; dry chemical; chemical foamSPECIAL FIRE FIGHTING PROCEDURES
Keep containers cool with water spray to prevent container rupture due to steam buildup; *CAUTION - material is corrosive*UNUSUAL FIRE AND EXPLOSION HAZARDS
None**SECTION 5 - ACCIDENTAL RELEASE MEASURES**STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: *CAUTION - CORROSIVE*. Wash small spills to sanitary sewer
Large spills - confine spill, soak up with approved absorbant, shovel product into approved container for disposal. For spills in excess of allowable limits (RQ) notify the National Response Center (800) 424-8802; refer to CERCLA 40 CFR 302 for detailed instructions concerning reporting requirements.**SECTION 6 - HANDLING AND STORAGE**PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: Keep container closed when not in use; protect containers from abuse; protect from extreme temperatures. *CAUTION - material is corrosive*. Keep this and other chemicals out of reach of children, minimize body contact with this product as well as all chemicals in general.**SECTION 7 - EXPOSURE CONTROLS / PERSONAL PROTECTION**

RESPIRATORY PROTECTION (SPECIFY TYPE): None required while threshold limits (Section II) are kept below maximum allowable concentrations; if TWA exceeds limits, NIOSH approved respirator must be worn.

VENTILATION LOCAL EXHAUST: Required SPECIAL: To maintain minimum TWA and STEL levels
MECHANICAL (GENERAL): Yes OTHER: Engineering and work controls as required.PROTECTIVE GLOVES: Neoprene or rubber EYE PROTECTION: Goggles with side shields

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Safety eyebath nearby

WORK / HYGIENIC PRACTICES: Practice safe workplace habits. Minimize body contact with this, as well as all chemicals in general.

SECTION 8 - PHYSICAL / CHEMICAL PROPERTIESBOILING POINT SPECIFIC GRAVITY (WATER = 1)
212 ° F 1.160VAPOR PRESSURE (MM HG) pH
17 mm @ 20° C 13.6VAPOR DENSITY (AIR = 1) EVAPORATION RATE (n-BUTYL ACETATE = 1)
< 1 < 1SOLUBILITY IN WATER % VOLATILE (BY WT)
Complete 83 %APPEARANCE AND ODOR
Clear, colorless liquid, characteristic odor.**SECTION 9 - STABILITY AND REACTIVITY**STABILITY CONDITIONS TO AVOID:
UNSTABLE: STABLE: XXX Extreme temperaturesINCOMPATIBILITY (MATERIALS TO AVOID):
Strong oxidizers, strong acidsHAZARDOUS DECOMPOSITION OR BYPRODUCTS:
Thermal decomposition may yield CO; CO₂HAZARDOUS POLYMERIZATION CONDITIONS TO AVOID:
MAY OCCUR: WILL NOT OCCUR: XXX None**SECTION 10 - DISPOSAL CONSIDERATIONS**

WASTE DISPOSAL METHOD: Dispose of in accordance with Local, State, and Federal Regulations. Refer to "40 CFR Protection of Environment Parts 260-299" for complete waste disposal regulations for corrosive materials. Consult your local, state, or Federal Environmental Protection Agency before disposing of any chemicals.

The information contained herein is believed to be accurate but is not warranted to be so. Users are advised to confirm in advance of need that information is current, applicable and suited to the circumstances of use. Vendor assumes no responsibility for injury to vendee or third persons proximately caused by the material if reasonable safety procedures are not adhered to as stipulated in the data sheet. Furthermore, vendor assumes no responsibility for injury caused by abnormal use of this material even if reasonable safety procedures are followed.

Form revised 09 / 95