

ABC CORPORATION

94-085 Leonui Street, Waipahu HI 96797; 808-671-2671

MATERIAL SAFETY DATA SHEET

For Emergency Call CHEMTREC 1-800-424-9300

Prepared 2/17/1999 – Rev 5/16/2000

SECTION 1 : IDENTIFICATION

<u>PRODUCT NAME</u>	<u>APPLICATION</u>	<u>SHIPPING HAZARD NO.</u>
Vanguard	Liquid Laundry Concentrate	Corrosive Liquids, n.o.s. (Contains sodium hydroxide), 8, UN1760, PGII

Component Information

<u>Principal Hazard Components</u>	<u>CAS No.</u>	<u>WT (%)</u>	<u>PEL/TLV</u>
Sodium Hydroxide	1310-73-2	15-30%	2mg/m3

SARA Title III Section 313 and 40 CFR Notification

This product is not subject to notification

SECTION 2: PHYSICAL DATA

Boiling Point (?F): > 212	Appearance/Odor: White liquid/citrus scent
Vapor Pressure (mm Hg): NE	pH: >14
Vapor Density (Air = 1): NE	Specific Gravity (Water = 1): 1.3
Percent Volatile: 50-70%	Solubility in Water: Complete
Evaporation Rate (Butylacetate = 1): ND	

SECTION 3: FIRE AND EXPLOSION HAZARD DATA

Flash Point (?F): NE	Lower Explosive Limit: NE	
	Upper Explosive Limit: NE	
Extinguishing Media: Material is non-combustible		
Special Fire Fighting Procedures: Self-contained breathing apparatus and full protective clothing should be worn in fighting fires involving chemicals.		
Unusual Fire and Explosion Hazards: None known		
NFPA Ratings	Key:	
Health = 3	0= None	1= Mild
Flammability = 0	2= Moderate	3= High
Reactivity = 1	4= Extreme	
Special Hazard = none		

SECTION 4: REACTIVITY DATA

Stability: Stable	Incompatibility: Acids, Aluminum, Tin, Zinc, Bronze and Brass.
Hazardous Decomposition Products: In water solution, caustic can react with amphoteric metals (such as aluminum), generating hydrogen, which is flammable and/or explosive if ignited.	
Polymerization: Polymerization will not occur.	
Conditions to avoid: None (product absorbs carbon dioxide from air). Keep containers sealed and closed when not in use.	

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SECTION 5: HEALTH HAZARD DATA

Effects of overexposure:

Eyes: Eye contact will severely irritate, burn and damage eyes. May cause blindness.

Skin: Skin contact will irritate the skin. Prolonged contact will burn and damage the skin.

Inhalation: Prolonged inhalation will irritate respiratory tract. Will cause coughing, chest pain and breathing difficulty.

Ingestion: If ingested, will burn mouth and digestive tract. May cause abdominal pain, vomiting and collapse.

SECTION 6: FIRST AID

Eyes: Immediately flush with plenty of water for 15 minutes. Call a physician immediately..

Skin: Flush with plenty of water. If irritation persists, call a physician. Remove contaminated clothing and wash thoroughly before re-use..

Inhalation: Move subject to fresh air. Apply artificial respiration if necessary. Call a physician if symptoms persist.

Ingestion: If swallowed, drink large quantities of water. Call a physician immediately. Never give fluids to an unconscious person.

SECTION 7: SPECIAL PROTECTION INFORMATION

Respiratory Protection: Not required.

Protective Gloves: For prolonged contact wear rubber gloves.

Eye Protection: Where eye contact may be a problem, wear goggles.

SECTION 8: SPECIAL PRECAUTIONS AND SPILL/LEAK PROCEDURES

Handling and Storage: Use good personal hygiene practice. Avoid contact with eyes, skin, or clothing. Wash contaminated clothing and equipment before reuse.

Release or Spill: Before attempting clean up refer to Hazard Data above. Leaks should be stopped, Spills, after containment should be shoveled up or removed by vacuum truck to chemical waste area. Neutralize residue with dilute acid, flush spill area with water followed by liberal covering with sodium bicarbonate. Disposal of wash water and spill by-products to conform to federal, state and local regulations.

Waste Disposal: Disposal to conform to federal, state and local regulations.

The information on this data sheet represents our current data and best opinion as to the proper use in handling of this product under normal conditions. Any use of the product which is not in conformance with this data sheet or which involves the product in combination with any other process is the responsibility of the user.