

MATERIAL SAFETY DATA SHEET

APACHE Product Name Emergency (800)831-9889 I (303)592-1024 08615100 SCC Medical(Collect) UPC-A 774205552502 Product Code Chemical Product Chemtree (800)424-9300 Manufacturer JOHNSONDIVERSEY INC. and Company 3630 E. KEMPER RD 08/26/1996 Date Indentification **CINCINNATI, OH 45241-2046** Chemical Family LAUNDRY ALKALI Chemical Name of Hazardous Ingredient **Exposure Limits** Units **SODIUM HYDROXIDE (1310-73-2)** 30 TLV C 2; PEL C 2 MG/M3 Π Composition/ Information on Ingredients CAUSES BURNS TO SKIN AND EYES. DUSTS ARE CORROSIVE TO SKIN, EYES, AND RESPIRATORY TRACT. MAY BE FATAL Signs П IF SWALLOWED. and Symptoms SAME AS ACUTE Exposure Ш O Haz ards Identific ation HMIS: Health 3 Flammability Reactivity Personal Protection D SENSITIVE SKIN AND EYES; DUST OR MIST MAY AGGRAVATE Conditions Aggravated RESPIRATORY DISEASE. Carcinogen Info NONE NTP **IARC OSHA** Target Organs or System Routes of Exposure: Inhalation Skin X Ingestion X Х Inhalation IF INHALED, REMOVE TO FRESH AIR. GET MEDICAL ATTENTION. IV Eyes IMMEDIATELY FLUSH THOROUGHLY WITH FRESH WATER FOR AT LEAST 15 MINUTES. GET MEDICAL ATTENTION IMMEDIATELY. First Aid Measures Skin FLUSH WITH FRESH WATER FOR AT LEAST 15 MINUTES, REMOVE CONTAMINATED CLOTHES AND SHOES. GET MEDICAL ATTENTION. GIVE WATER. DO NOT INDUCE VOMITING. GET MEDICAL ATTENTION. Ingestion NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON. WEAR FULL PROTECTIVE GEAR TO PREVENT SKIN CONTACT AND Fire Control Measures/ SELF-CONTAINED BREATHING APPARATUS. Equipment V Flammable Property Info Fire Fighting FORMS A CORROSIVE LIQUID WITH WATER. CONTACT WITH ALUMINUM **Explosion Info** Measures CAUSES SEVERE CORROSION AND RELEASES HYDROGEN GAS. Extinguishing Media CO2, FOAM, DRY CHEMICALS, WATER Gases

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VI Accidental Measures	Spill and Leak Clean UP Procedures CERCLA PRODUCT RQ = 3,333 LBS. CORROSIVE SOLID. SWEEP OR SHOVEL MATERIAL INTO AN APPROPRIATE COVERED CONTAINER. NEUTRALIZE LIQUID RESIDUE WITH DILUTE MINERAL ACIDS. WEAR PROPER PROTECTIVE EQUIPMENT. WASH SPILL AREA WITH WATER.
	Environmental Precautions
	Ventilation Required? NO Instructions PROVIDE ADEQUATE VENTILATION
VII Handling and Storage	Safe Storage, Handling and Use Instructions STORE IN A DRY PLACE. KEEP AWAY FROM ACIDS. KEEP COVER ON CONTAINER. KEEP OUT OF THE REACH OF CHILDREN. WHEN DILUTING, ADD PRODUCT SLOWLY. DO NOT ADD TO HOT WATER.
	Imcompatible Materials
	Protective Gloves RUBBER, PVC, OR CHEMICALLY RESISTANT
VIII	Eye Protection FACE SHIELD, SIDE SHIELD SAFETY GLASSES.
Exposure Controls/ Personal Protection	Respiratory Protection WEAR NIOSH ALKALINE CARTRIDGE RESPIRATOR IF TLV/PEL LIMITS ARE EXCEEDED.
	Other Protective SAFETY SHOWER AND EYE WASH. CHEMICALLY IMPERVIOUS CLOTHING Clothing Equipment AND FOOTWEAR TO PREVENT SKIN CONTACT.
	Characteristics o of Hazardous Chemcial
IX	Vapor Pressure N/A MmHg@ °C Vapor Density(Air=1 N/A pH Water Solubility 20 %
Physical and Chemical Properties	Appearance & Odor OFF-WHITE POWDER; SLIGHT PINE ODOR Boiling Point N/A °F Melting Point °F Flammability Limits in Air By Volume: Upper NONE Lower NONE
	Flash Point NONE °F Auto Ignition N/A °F Oxidizing Properties
	Specific Gravity 66#F3 Volatile by Volume 0 %
	Evaporation Rate(n-Butyl Acetate=1) <1
X	Peroxide, Pyrophoric, Unstable or Water Reactive MODERATE Reactivity and Hazardous Polymerization NONE
	Possible Hazardous Reactions
	Conditions to Avoid
Stability and Reactivity	Materials To Avoid CONCENTRATED MINERAL ACIDS, FLAMMABLE LIQUIDS, ORGANIC HALOGEN COMPOUNDS, OR SOFT METALS.
	Hazardous NONE KNOWN Decomposition Products
XI Toxicological Information	
XII	Possible Effects and Environmental Fate
Ecological Information	Degradability
mormation	Aquatic Toxicity Mathod of LISE UNITH LESS THAN ONE INCH DEMAINS IN CONTAINED EMPTY
XIII Disposal Consideration	Method of Disposal, Residues and Safe Handling USE UNTIL LESS THAN ONE INCH REMAINS IN CONTAINER, EMPTY CONTAINER. TRIPLE RINSE CONTAINER WITH WATER, ADD TO OPERATION. REMOVE AND DEFACE CONTAINER LABEL BEFORE SELLING OR DISPOSAL. DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL REGULATIONS. ADJUST PH; BEFORE DISPOSAL. CONTAINS PHOSPHORUS. SOLUTIONS MAY BE TOXIC TO FISH OR AQUATIC LIFE.
	Disposal of NONE KNOWN Contaminated Material
XIV Transport Information	CORROSIVE SOLID,BASIC,INORGANIC,N.O.S., (SODIUM HYDROXIDE),8,UN3262,PG II, ERG#60, NAERG#154
XV-Regulatory Information XVI-Other Information	
S.A.R.A. Title III Section 313	NONE
State Right to Know Information	SODIUM CARBONATE - CAS #497-19-8 SODIUM HYDROXIDE - CAS #1310-73-2 SODIUM TRIPOLYPHOSPHATE - CAS #7758-29-4 PINE OIL - CAS #8002-09-3 SODIUM CARBOXYMETHYLCELLULOSE - CAS #9004-32-4