

MATERIAL SAFETY DATA SHEET

CLARIX Product Name Emergency (800)831-9889 I (303)592-1024 08540803 UPC-A 774205552649 SCC Medical(Collect) Product Code Chemical Product Chemtree (800)424-9300 Manufacturer JOHNSONDIVERSEY INC. and Company 3630 E. KEMPER RD 12/23/1997 Date Indentification **CINCINNATI, OH 45241-2046** HIGHLY ALKALINE SILICATED LAUNDRY DETERGENT Chemical Family Units Chemical Name of Hazardous Ingredient **Exposure Limits SODIUM HYDROXIDE (1310-73-2)** 45 TLV C 2; PEL C 2 MG/M3 SODIUM METASILICATE (6834-92-0) <15 NONE ESTABLISHED Π ALIPHATIC HYDROCARBONS <1 TLV: 5 (OIL), PEL: NE MG/M3 (64742-47-8)Composition/ Information on Ingredients CORROSIVE. CAUSES SEVERE BURNS TO SKIN AND EYES. MAY CAUSE DESTRUCTION OF TISSUES ON CONTACT. DUSTS ARE CORROSIVE TO SKIN, EYES, AND RESPIRATORY TRACT. MAY Signs П BE FATAL IF SWALLOWED. PULMONARY RESPIRATION HAZARD and FOR HYDROCARBONS. 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 П X 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 CORROSIVE LIQUID WITH WATER. CONTACT WITH ALUMINUM CAUSES **Explosion Info** Measures 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 = 2,222 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 DRY PLACE. KEEP AWAY FROM ACIDS. KEEP COVER ON CONTAINER. KEEP OUT OF THE REACH OF CHILDREN. SILUTE VERY SLOWLY. DO NOT USE HOT WATER. USE ONLY IN STAINLESS STEEL MACHINES. CORROSIVE TO OTHER SOFT METALS.
	Imcompatible Materials
	Protective Gloves RUBBER, PVC, OR CHEMICALLY RESISTANT
VIII	Eye Protection FACE SHIELD, SPLASH GOGGLES AND SIDE SHIELD SAFETY GLASSES.
Exposure Controls/ Personal Protection	Respiratory 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 29 %
Physical and Chemical Properties	Appearance & Odor OFF-WHITE GRANULAR POWDER; SOLVENT ODOR Boiling Point N/A °F Melting Point °F Flammability Limits in Air By Volume: Upper NONE Lower NONE
	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 1.15 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	Materials CONCENTRATED MINERAL ACIDS, FLAMMABLE LIQUIDS, ORGANIC HALOGEN
Reactivity	To Avoid COMPOUNDS, SOFT METALS, HOT WATER. Hazardous NONE KNOWN
	Decomposition Products
XI Toxicological Information	
XII	Possible Effects and Environmental Fate
Ecological Information	Degradability
mormation	Aquatic Toxicity Method of USE UNTIL LESS THAN ONE INCH REMAINS IN CONTAINER, EMPTY
XIII Disposal Consideration	Disposal, Residues and Safe Handling Handling Disposal, Residues and Safe Handling Dispose OF IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL REGULATIONS. ADJUST PH BEFORE DISPOSAL. CONTAINS NO PHOSPHORUS. SOLUTIONS MAY BE TOXIC TO FISH OR AQUATIC LIFE. DO NOT DISCHARGE TO LAKES, STREAMS OR PONDS.
	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 METASILICATE - CAS #6834-92-0 SODIUM CARBONATE - CAS #497-19-8 SODIUM HYDROXIDE - CAS #1310-73-2 SODIUM DIAMINOSTILBENE SULFONATE - CAS #7336-26-1 SODIUM TALLOW SOAP - CAS #8052-48-0