

## MATERIAL SAFETY DATA SHEET

LINENBRITE CONC LIQ CHLORINE BLEACH Product Name Emergency (800)831-9889 I 3041019 UPC-A 774205562532 SCC Medical(Collect) (303)592-1024 Product Code Chemical Product Chemtree (800)424-9300 Manufacturer JOHNSONDIVERSEY INC. and Company 3630 E. KEMPER RD 04/03/2003 Date Indentification **CINCINNATI, OH 45241-2046** Chemical Family LAUNDRY DESTAINER Units Chemical Name of Hazardous Ingredient **Exposure Limits** SODIUM HYDROXIDE 1310-73-2 1.0 TLV-C 2 MG/M3 **SODIUM HYPOCHLORITE 7681-52-9** NONE ESTABLISHED 10  $\Pi$ Composition/ Information on Ingredients EYES: CORROSIVE. MAY CAUSE PERMANENT DAMAGE INCLUDING BLINDNESS. SKIN: CORROSIVE. MAY CAUSE PERMANENT DAMAGE. INGESTION: CORROSIVE. MAY CAUSE BURNS TO MOUTH, THROAT Signs П AND STOMACH. INHALATION: MAY CAUSE IRRITATION AND CORand ROSIVE EFFECTS TO NOSE, THROAT AND RESPIRATORY TRACT. Symptoms SAME AS ACUTE EFFECTS. Exposure Ш O Haz ards Identific ation HMIS: Health 3 Flammability Reactivity Personal Protection D INDIVIDUALS WITH CHRONIC RESPIRATORY DISORDERS ASTHMA, Conditions Aggravated BRONCHITIS OR EMPHEYSEMA MAY BE MORE EASILY AFFECTED. Carcinogen Info **OSHA** Target Organs or System EYES, SKIN, RESP.TRACT, AND GASTROINTESTINAL TRACT Routes of Exposure: Inhalation Skin Ingestion X X X IF BREATHING IS AFFECTED, REMOVE TO FRESH AIR. GET MEDICAL Inhalation ATTENTION IMMEDIATELY. IV Eyes IMMEDIATELY FLUSH EYES WITH RUNNING WATER FOR AT LEAST 15 MINUTES KEEPING EYELIDS OPEN. GET MEDICAL ATTENTION IMMEDIATELY. First Aid Measures Skin FLUSH IMMEDIATELY WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES. GET MEDICAL ATTENTION IMMEDIATELY. Ingestion DO NOT INDUCE VOMITING. IMMEDIATELY DRINK ONE CUPFUL OF WATER OR MILK. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON. GET MEDICAL ATTENTION IMMEDIATELY. WEAR FULL PROTECTIVE GEAR AND POSITIVE PRESSURE BREATHING APPARA-Fire Control TUS (SCBA) IN FIRE AREA. Measures/ Equipment V Flammable Property Info Fire Fighting BURNING OR DECOMPOSITION MAY FORM HYDROGEN CHLORIDE OR OTHER **Explosion Info** Measures TOXIC GASSES. Extinguishing Media WATER SPRAY, CO2, FOAM OR DRY POWDER. Gases

Printed: 02/06/2004

VI Accidental Measures	Spill and Leak Clean UP Procedures  WEAR PROTCETIVE CLOTHING. SOAK UP OR ABSORB LIQUID ON SUITABLE ABSORBENT MATERIAL. COLLECT AND PLACE IN CHEMICAL WASTE CONTAINER DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL REG- ULATIONS. FLUSH SPILL AREA WITH WATER.
	Environmental Precautions
	Ventilation Required? <b>REQUIRED</b> Instructions <b>GOOD GENERAL VENTILATION.</b>
VII Handling and Storage	Safe Storage, Handling and Use Instructions  AVOID CONTACT WITH EYES, SKIN AND CLOTHING. DO NOT TASTE OR SWALLOW. AVOID BREATHING VAPORS OR SPRAY MISTS. USE ONLY WITH ADE QUATE VENTILATION. REMOVE AND WASH CONTAMINATED CLOTHING AND FOOT WEAR BEFORE RE-USE. KEEP OUT OF REACH OF CHILDREN
	Imcompatible Materials ACIDS, OXIDIZING AGENTS.
	Protective Gloves
VIII	Eye Protection CHEMICAL SPLASH GOGGLES.
Exposure Controls/ Personal Protection	Respiratory Protection IF MISTS/VAPORS ARE NOT ADEQUATELY CONTROLLED BY VENTILATION, USE APPROPRIATE RESPIRATORY PROTECTION TO AVOID OVER EXPOSURE.
	Other Protective Clothing Equipment IF MAJOR EXPOSURE IS POSSIBLE, WEAR SUITABLE PROTECTIVE CLOTHING AND FOOTWEAR.
	Characteristics o of Hazardous Chemcial
IX	Vapor Pressure 17.5 MmHg@ 20 °C Vapor Density(Air=1 17.3 pH 11.5 Water Solubility SOL %
Physical and Chemical	Appearance & Odor YELLOW LIQUID, CHLORINE ODOR.
Properties Properties	Boiling Point 212 °F Melting Point °F Flammability Limits in Air By Volume: Upper N/E Lower N/E  Flash Point °F Auto Ignition °F Oxidizing Properties
	Specific Gravity 1.21 Volatile by Volume 86 %
	Evaporation Rate(n-Butyl Acetate=1)
v	Peroxide, Pyrophoric, Unstable or Water Reactive
	Reactivity and Hazardous Polymerization NONE KNOWN.
X	Possible Hazardous Reactions Conditions to Avoid
Stability and Reactivity	Materials ACIDS, OXIDIZING AGENTS. To Avoid
	Hazardous INCOMPLETE COMBUSTION FORMS; HYDROGEN CHLORIDE, CHLORINE AND CHLORINATED COMPOUNDS.
XI Toxicological Information	TOXICOLOGICAL TESTING HAS NOT BEEN PERFORMED.
XII Ecological Information	Possible Effects and Environmental Fate NO DATA AVAILABLE.
	Degradability
	Aquatic Toxicity
XIII Disposal Consideration	Method of Dispose IN ACCORDANCE WITH FEDERAL, STATE, AND LOCAL REGULATIONS.  Residues and Safe Handling
	Disposal of Contaminated Material INCOMPLETE COMBUSTION FORMS; HYDROGEN CHLORIDE, CHLORINE AND CHLORINATED COMPOUNDS.
XIV Transport Information	R.Q., HYPOCHLORITE SOLUTIONS, (WITH MORE THAN 5 PERCENT BUT LESS THAN 16 PERCENT AVAILABLE CHLORINE), 8, UN1791, PG III, ERG NO. 60, NAERG NO. 154
XV-Regulatory Information XVI-Other Information	
S.A.R.A. Title III Section 313	NONE
State Right to Know Information	SODIUM HYPOCHLORITE - CAS #7681-52-9 WATER - 7732-18-5 SODIUM HYDROXIDE - CAS #1310-73-2