Material S	afety	•								
IDENTITY LIQUI-PAK® CHLORINE BLEACH							A ALAKA A AMANGARAN BANGA			
						-			or completelity or an extendition	
Section I										
Manufacturer's Name Scientific Packaging Corp				Emergency Telephone Number (973) 676-310?						
Address 2-8 Central Avenue				Telephone Number for Information (973, 676-3107						
P.O. Box 1016 East Orange, NJ 07018-1016										
				Date Prepared January 21, 2003						
Section II - Ha	zardous	Ingredients/Ide	entity .	Information						
CAS#	Hazardo	rdous Components		A PEL	ACGIH TL	V	Other Limits % Recommended (option		% (optional)	
7681-52-9	Sodium	Sodium Hypochlorite		3 mg/m <sup>3</sup> 3 mg		mg/m³		Not Available 5-6		
Section III - Ph	nysical/C	Chemical Chara	cterist	ics						
Boiling Point 212°F/100°C decomposes				Specific Gravity ( $H_2O = 1$ ) : $0.8$						
Vapor Pressure (mm Hg) Not available			Melting Point No: applicable							
Vapor Density (Air = 1) Not available								t available		
pH 11-12										
Solubility in Water complete  Appearance and Odor Clear, light yellow liquid with chlorine odor										
Section V1 – Fi			uid wit	n chlorine odo	r					
Boiling Point (Method Used)				Flammable Limits LEL					т	
212°F/100°C decomposes							applicable Not applicable			
Extinguishing Med		Use water spray, o	iry cher	nical, foam or	carbon dioxid	de, as s	uitable for sur	rroun	ding fire.	
Special Fire Fightin	ng Procedi	ires								
Wear self-contained breathing apparatus and protective clothing appropriate for fighting a typical chemical fire.										
Unusual Fire and Explosion Hazards  When in contact with other chemicals such as acids, ammonia, reducing agents and organics, product may release										
chloring and other	gases,	iemicuts such as h	cius, ai	mnoma, reduc	ing agents and	a organ	nes, product n	пау г	cicase	
Section V - Rea		Data								
Stability U	nstable		Cond	Conditions to Avoid						
Stable X under				Keep product away from sunlight and heat. Keep product away						
normal consumer	use and sto		from	from contact with metals, except titanium						
Incompatibility (Me			ong aci	ds, reducing a	gents, ammon	ia, org	anics, and mo	st me	tals	
Hazardous Decomp	osition or		duct m	ay corrode mo	tals and releas	se oxyg	gen gas			
Hazardous Polymerization May Occur Conditions to Avoid Will Not Occur X Not Applicable										
Section VI - Health Hazard Data										
Route(s) of Entry		alation Yes	Skin/f	eye Yes		Ingest	ion Van		,	
			- CK111/1	775 162		mgest	ion Yes			

Health Hazard (Acute and Chronic) Acute - Inhalation may cause severe irritation and damage to nose, throat, nasal passages and lungs. Ingestion may cause severe irritation and damage to mouth, throat and stomach, vomiting and diarrhea. Contact with skin may cause burns and tissue destruction. Contact with eyes may cause severe irritation and irreversible damage Chronic - Prolonged skin or eye contact may cause severe irritation and irreversible damage. Carcinogenicity NTP Not Listed IRAC Monographs Not Listed OSHA Regulated Not Listed Signs and Symptoms of Exposure Irritation to respiratory tract and lungs. Irritation to skin and eyes. Nausea. Medical Conditions Generally Aggravated by Exposure Heart condition, respiratory problems such as asthma, chronic bronchitis or obstructive lung disease Emergency and First Aid Procedures Inhalation: Remove source of contamination or move victim to fresh air. Obtain medical attention of critation Skin contact: Remove contaminated clothing and footwear for cleaning. Wash contaminated skin gently and thoroughly with water for 20 minutes or until chemical is removed. Obtain medical advice if irritation persisted. Eye contact: Immediately flush contaminated eye(s) with lukewarm gently flowing water while holding eyelid open, for 20 minutes or until chemical is removed. Obtain medical attention quickly Ingestion: Give victim sips of water or milk. Never give anything by mouth if victim is rapidly cosing consciousness, unconscious or convulsing. Do not induce vorniting. If vomiting occurs naturally, have victim lean forward to reduce risk of aspiration. Obtain medical attention immediately.

## Section VII - Precautions for Safe Handling and Use

Steps to Be Taken in Case Material is Released or Spilled

Stop spill at source and contain material. Material will corrode metal and may release gases when contaminated. Collect material in vented plastic container for disposal in accordance with local, state and federal regulations.

Waste Disposal Method

Small household amounts of material may be diluted with large amount of water and flushed to appropriate (e.g. sanitary) sewer. Dispose of large amounts of properly contained contaminated material in accordance with local, state and federal regulations.

Procaution to Be Taken in Handling and Storing

Keep product in cool and dark conditions. Do not expose product to direct sunlight. CORROSIVE: Keep product away from eye and skin contact, or clothing.

Other Precautions

Keep product away from contact with strong acids, ammonia, reducing agents, organics and most metals including steel and stainless steel.

## Section VIII - Control Measures

Respiratory Protection	None required under	normal use condition				
Ventilation	None required under normal use conditions.  Local Exhaust - None required with normal consumer use.					
Where peressary - e a legistral and						
	Caratal and a specific against vapor or mist during hand, as					
Protective Gloves		Other - None Eye Protection				
None required with norm	al consumer use. Avoid					
product contact with skin		Wear safety glasses or gogglos to protect against product splashes and spills. Avoid product contact with eyes				
Other Protective Clothing	s or Equipment	27 of product contact with eves				

None required with normal consumer use. Rubber apron and rubber/latex gloves may be worn for protection against product splashes or spills. Personal protective equipment may be required under industrial conditions - see

Work/Hygiene Practices - Observe general industrial hygiene practices -e.g. hand/skin washing and clothing change Use adequate ventilation when handling product. Avoid skin and eye contact with product. For protection against fumes and mist, and skin and eye contact conditions, wear goggles or face shield, NIOSH approved respirator with organic vapor acid gas cartridge and dust/fume/mist filter, rubber/latex gloves and/or disposable suits

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