



MATERIAL SAFETY DATA SHEET Printed: 02/06/2004

	Product Name	Emergency (800)831-9889								
Ι	Product Code 08498 UPC-A SCC						Medical(Collect)		592-1024	
Chemical Product	Manufacturer JOHNSONDIVERSEY INC.							424-9300		
and Company Indentification	112000000000000000000000000000000000000	3630 E. KEMI	PER RD				Date		5/1996	
indonin i carton			, OH 45241-204							
	Chemical Family	-	LORINATED	SANITIZER						
							e Limits	Units		
Π	SODIUM HYPOCHLORITE (7681-52-9) SODIUM HYDROXIDE (1310-73-2)					NOT ES TLV 2;	STABLISHED PEL 2		MG/M3	
Composition/ Information										
on Ingredients										
		CORROSIVE	TO SKIN AND	EYES. MISTS AI	RE RES	L SPIRATO	RV			
	CORROSIVE TO SKIN AND EYES. MISTS ARE RESPIRATORY IRRITANTS. Signs U and E Symptoms C of H SAME AS ACUTE									
III	Exposure o	Exposure ^R ₀								
	I	- N I								
Haz ards Identific ation		C HMIS: Health 3 Flammability 0 Reactivity 0 Personal Protection D							D	
	Conditions Aggrav	Conditions Aggravated SENSITIVE SKIN								
									0.0114	
								OSHA		
	Target Organs or System									
	-	Routes of Exposure: Inhalation X Skin X Ingestion Interface DEMONE TO EDESH AID CET MEDICAL ATTENTION								
	Illitatation KEAN	Inhalation REMOVE TO FRESH AIR. GET MEDICAL ATTENTION.								
IV	Eyes FLUSH THOROUGHLY WITH FRESH WATER FOR AT LEAST 15 MINUTES. GET MEDICAL ATTENTION.									
First Aid Measures	Skin WAS	H OFF IMMEI	DIATELY WITH	SOAP AND LAI	RGE O'	UANTITI	ES OF WATER.			
	GET PROMPT MEDICAL ATTENTION. REMOVE AND LAUNDER CONTAMINATED									
		THING AND FO		AMOUNTS OF V	¥7 A TFE	י אט אנ	TINDUCE			
				OR POISON CE						
	Fire Control	WEAR FULL	PROTECTIVE	GEAR AND SEL	FCON	TAINED	RREATHING			
	Measures/		IN FIRE AREA		r con	IAINER	DREATHING			
V	Equipment									
Fire Fighting	Flammable Property Info Explosion Info HIGH TEMPERATURE WILL RELEASE CL2 OR OXYGEN									
Measures	Explosion Info	HIGH IEMPI	ERATURE WIL	L RELEASE UL2	2 OK U	XYGEN				
	Extinguishing Med	ia CO2, DRY	CHEMICALS, V	WATER						
	Extinguishing Media CO2, DRY CHEMICALS, WATER Gases									

VI Accidental Measures	Spill and LeakPROVIDE GOOD VENTILATION. AVOID CONTACT WITH ORGANIC MATERIALS.DIKE AREA TO CONTAIN SPILL; MOP UP OR PUMP LIQUID INTO SUITABLE Clean UPCONTAINER. FLUSH TO SANITARY SEWER SYSTEM WITH PLENTY OF WATER.ProceduresCERCLA PRODUCT RQ: SODIUM HYPOCHLORITE 66 GALLONS								
	Environmental Precautions								
	Ventilation Required? NO Instructions NORMAL AIR DILUTION								
VII Handling and Storage	Safe Storage, HandlingSTORE THE PRODUCT IN A COOL AREA, AWAY FROM DIRECT SUN LIGHT AND HEAT TO AVOID DETERIORATION. KEEP CONTAINER CLOSED WHEN NOT IN USE. DO NOT BREATHE MIST. Instructions								
	Imcompatible Materials								
	Protective Gloves RUBBER GLOVES								
VIII	Eye Protection FACE SHIELD OR GOGGLES								
Exposure Controls/ Personal Protection	Respiratory Protection PROVIDE NIOSH/MSHA-APPROVED RESPIRATOR RECOMMENDED FOR CHLORINE FUMES IF PROLONGED OR REPEATED EXPOSURE IS LIKELY.								
	Other ProtectiveCLOTHING COVERING ARMS AND LEGS AND FOOTWEAR TO PREVENT SKINClothing EquipmentCONTACT. DELUGE SYSTEM AS REQUIRED BY OSHA 1910.151.								
	Characteristics o of Hazardous Chemcial								
IX	Vapor Pressure 17.5 MmHg@ 20 °C Vapor Density(Air=1 N/A pH Water Solubility 100 %								
Physical and Chemical	Appearance & Odor CLEAR LIGHT YELLOW LIQUID; CHLORINE ODOR Boiling Point °F Melting Point °F Flammability Limits in Air By Volume: Upper N/A Lower N/A								
Properties	Borning Point 212 P Menting Point P Planmaolity Limits in Air By Volume: Opper N/A Lower N/A Flash Point NONE °F Auto Ignition N/A °F Oxidizing Properties								
	Specific Gravity 1.200 Volatile by Volume 85 %								
	Evaporation Rate(n-Butyl Acetate=1) <1								
	Peroxide, Pyrophoric, Unstable or Water Reactive NONE								
х	Reactivity and Hazardous Polymerization NONE Possible Hazardous Reactions								
Λ	Possible Hazardous Reactions Conditions to Avoid								
Stability and	Materials ACIDS, AMMONIA, ORGANICS AND REDUCING AGENTS. CHLORINE GAS								
Reactivity	To Avoid WILL BE RELEASED UPON CONTACT WITH ACIDS.								
	Hazardous CO2 WITH INCOMPLETE COMBUSTION								
XI Toxicological Information									
XII	Possible Effects and Environmental Fate								
Ecological	Degradability								
Information	Aquatic Toxicity								
	Method of Disposal, TRIPLE RINSE CONTAINER WITH COLD WATER; DISPOSE OF IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL REGULATIONS. Residues and SEE PRODUCT LABEL FOR ADDITIONAL PRECAUTIONS.								
XIII	Safe Handling								
Disposal Consideration	Handling								
Constant									
	Disposal of CO2 WITH INCOMPLETE COMBUSTION								
	Disposal of CO2 WITH INCOMPLETE COMBUSTION								
XIV Transport Information	HYPOCHLORITE SOLUTIONS, (WITH MORE THAN 5 PERCENT BUT LESS THAN 16 PERCENT AVAIL ABLE CHLORINE), 8, UN1791, PG III, (ERG NO. 60, NAERG#154								
XV-Regulatory Information XVI-Other Information									
S.A.R.A.	ALL CHEMICAL INCREDIENTS ARE ON TSCA INVENTORY.								
S.A.R.A. Title III Section 313	ALL CHEMICAL INGREDIENTS ARE ON TSCA INVENTORY.								
	SODIUM HYDROXIDE - CAS #1310-73-2 SODIUM HYPOCHLOPITE - CAS #7681 52.9								
State	SODIUM HYPOCHLORITE - CAS #7681-52-9 WATER - CAS #7732-18-5								
Right to Know	SODIUM CARBONATE - CAS #497-19-8 SODIUM CHLORIDE - CAS #7647-14-5								
Information									