



MATERIAL SAFETY DATA SHEET

Printed: 02/06/2004

I Chemical Product and Company Identification	Product Name TRS-4D						Emergency (800)831-9889			
	Product Code 04569 UPC-A SCC						Medical(Collect) (303)592-1024			
	Manufacturer JOHNSON DIVERSEY INC. 3630 E. KEMPER RD CINCINNATI, OH 45241-2046						Chemtree (800)424-9300			
								Date 08/26/1993		
	Chemical Family ALKALINE CLEANER									
II Composition/ Information on Ingredients	Chemical Name of Hazardous Ingredient SODIUM HYDROXIDE (1310-73-2)					% <7	Exposure Limits TLV C 2; PEL C 2		Units MG/M3	
III Hazards Identification	ACUTE CHRONIC	Signs and Symptoms of Exposure CAUSES BURNS TO SKIN AND EYES. MISTS ARE RESPIRATORY IRRITANTS.								
		SAME AS ACUTE								
	HMIS:		Health	3	Flammability	0	Reactivity	1	Personal Protection	D
	Conditions Aggravated SENSITIVE SKIN									
	Carcinogen Info		NONE			NTP		IARC	OSHA	
	Target Organs or System									
Routes of Exposure: Inhalation ☒ Skin ☐ Ingestion ☒										
IV First Aid Measures	Inhalation	N/A IN NORMAL OPERATION								
	Eyes	FLUSH THOROUGHLY WITH FRESH WATER, FOR AT LEAST 15 MINUTES. GET MEDICAL ATTENTION.								
	Skin	FLUSH WITH FRESH WATER, WASH WITH SOAP AND WATER REMOVE CONTAMINATED CLOTHES AND SHOES								
	Ingestion	GIVE MILK OR WATER, DO NOT INDUCE VOMITING. GET MEDICAL ATTENTION. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.								
V Fire Fighting Measures	Fire Control Measures/Equipment	NONE								
	Flammable Property Info									
	Explosion Info	NONE								
	Extinguishing Media	CO2, FOAM, DRY CHEMICALS								
	Gases									

VI Accidental Measures	Spill and Leak Clean UP Procedures FLUSH SMALL AMOUNTS TO DRAIN; COLLECT AND RETURN LARGE AMOUNTS TO DRUM. REPORTABLE QUANTITY (R.Q.) OF PRODUCT: 17857 LBS. OR 1910 GAL.											
	Environmental Precaution:											
VII Handling and Storage	Ventilation Required? YES Instructions NO											
	Safe Storage, Handling and Use Instructions DO NOT PRESSURE CONTAINER TO EMPTY. KEEP BUNGS IN DRUM; STORE INSIDE OR OUTSIDE; IF FROZEN, THAW AND MIX TO MAKE USABLE.											
	Incompatible Materials											
VIII Exposure Controls/ Personal Protection	Protective Gloves ALKALI RESISTANT											
	Eye Protection FACE SHIELD											
	Respiratory Protection NONE											
	Other Protective Clothing Equipment NONE											
IX Physical and Chemical Properties	Characteristics of Hazardous Chemical											
	Vapor Pressure	17.5	MmHg@	20	°C	Vapor Density(Air=1)	N/A	pH		Water Solubility	100	%
	Appearance & Odor BROWN LIQUID; NO ODOR											
	Boiling Point	220	°F	Melting Point		°F	Flammability Limits in Air By Volume: Upper		N/A	Lower	N/A	
	Flash Point	NONE	°F	Auto Ignition	N/A	°F	Oxidizing Properties					
	Specific Gravity 1.115						Volatile by Volume 66 %					
	Evaporation Rate(n-Butyl Acetate=1) >1											
X Stability and Reactivity	Peroxide, Pyrophoric, Unstable or Water Reactive NONE											
	Reactivity and Hazardous Polymerization NONE											
	Possible Hazardous Reactions											
	Conditions to Avoid											
	Materials To Avoid CONCENTRATED MINERAL ACIDS											
	Hazardous Decomposition Products CO, H2O WITH INCOMPLETE COMBUSTION											
XI Toxicological Information												
XII Ecological Information	Possible Effects and Environmental Fate											
	Degradability											
	Aquatic Toxicity											
XIII Disposal Consideration	Method of Disposal, Residues and Safe Handling NO PHOSPHATES; PH ADJUSTMENT. USE UNTIL LESS THAN 1 INCH REMAINS IN CONTAINER, EMPTY CONTAINER TRIPLE RINSE WITH WATER, ADD TO OPERATION REMOVE OR DEFACE LABEL BEFORE SELLING CONTAINER OR DISPOSAL											
	Disposal of Contaminated Material CO, H2O WITH INCOMPLETE COMBUSTION											
XIV Transport Information	CONTACT DISTR. DEPT. FOR DESCRIPTION											
XV-Regulatory Information												
XVI-Other Information												
S.A.R.A. Title III Section 313	NONE											
State Right to Know Information	SODIUM HYDROXIDE - CAS #1310-73-2 WATER - CAS #7732-18-5 TRADE SECRET REGISTRATION: 694954-00-1-5110P, 694954-00-1-5111P											