



## MATERIAL SAFETY DATA SHEET Printed: 02/06/2004

_	Product Name DIVERSEY REFRANE			Emergency	(800)831-9889		
Ι	Product Code 08689640 UPC-A 774205551178 SCC			Medical(Collect)	(303)592-1024		
Chemical Product	Manufacturer JOHNSONDIVERSEY INC. 3630 E. KEMPER RD CINCINNATI, OH 45241-2046			Chemtree	(800)424-9300		
and Company Indentification				Date	03/10/1999		
	Chemical Family	ALKALINE HARD SURFACE CLEANE	R				
	-	f Hazardous Ingredient	%	Exposu	re Limits	Units	
	SODIUM METASILICATE (6834-92-0)		10	NOT ESTABLISHED			
II							
Composition/ Information							
on Ingredients							
	A CAUSES SKIN AND EYE IRRITATION; MAY CAUSE						
	Signs U						
	and E						
	of $H_{R}$ SAME AS ACUTE						
III	Exposure o						
Hazards	C						
Identific ation	HMIS:     Health 2     Flammability     0     Reactivity     0     Personal Protection     B       Conditions Aggravated     NONE KNOWN						
	Carcinogen Info NONE NTP IARC OSHA						
	Target Organs or System						
	Routes of Exposure:   Inhalation   X   Skin   Ingestion   X     Inhalation   REMOVE TO FRESH AIR.						
IV	Eyes FLUSH THOROUGHLY WITH FRESH WATER FOR AT LEAST 15 MINUTES.						
	GET MEDICAL ATTENTION.						
First Aid Measures	Skin FLUSH WITH FRESH WATER, WASH WITH SOAP AND WATER.						
	REMOVE CONTAMINATED CLOTHES AND SHOES.						
		E WATER. DO NOT INDUCE VOMITING. `MEDICAL ATTENTION. NEVER GIVE ANY	THING				
	BY	MOUTH TO AN UNCONSCIOUS PERSON.	111110				
	Fire Control Measures/	NONE					
V	Equipment						
Fire Fighting	Flammable Property Info						
Measures	Explosion Info NONE						
	Extinguishing Media CO2, FOAM						
	Gases						
	1						

VI Accidental Measures	Spill and       FLUSH SMALL AMOUNTS TO DRAIN AFTER DILUTION. SWEEP UP         Leak       AND RETURN LARGE AMOUNTS TO CONTAINER.         Clean UP       Procedures					
	Environmental Precautions					
	Ventilation Required? NONE Instructions PRODUCE NORMAL AIR DILUTION					
VII Handling and Storage	Safe Storage,       STORE IN DRY PLACE. KEEP CONTAINER COVERED.         Handling       KEEP AWAY FROM ACIDS         and Use       Instructions					
	Imcompatible Materials					
	Protective Gloves ALKALI RESISTANT					
VIII	Eye Protection FACE SHIELD					
Exposure Controls/ Personal Protection	Respiratory Protection USUALLY NOT REQUIRED.					
	Other Protective NONE Clothing Equipment					
	Characteristics o of Hazardous Chemcial					
IX	Vapor Pressure       N/A       MmHg@       °C       Vapor Density(Air=1)       N/A       pH       Water Solubility       23       %         Appearance & Odor       BLUE POWDER; FLORAL ODOR       General content of the second content of the					
Physical and Chemical Properties	Boiling Point N/A °F Melting Point °F Flammability Limits in Air By Volume: Upper NONE Lower NONE					
	Flash Point         NONE °F         Auto Ignition         NONE °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 NONE Reactivity and Hazardous Polymerization NONE					
	Possible Hazardous Reactions					
	Conditions to Avoid					
Stability and Reactivity	Materials       CONCENTRATED MINERAL ACIDS, FLAMMABLE LIQUIDS, ORGANIC         To Avoid       HALOGENS					
	Hazardous CO, SO2, WITH INCOMPLETE COMBUSTION Decomposition Products					
XI Toxicological Information						
XII	Possible Effects and Environmental Fate					
Ecological	Degradability					
Information	Aquatic Toxicity Method of PH ADJUSTMENT; CONTAINS PHOSPHATES. USE UNTIL LESS THAN ONE INCH					
XIII Disposal Consideration	Disposal, Remains in Container, EMPTY CONTAINER. TRIPLE RINSE WITH WATER, ADD TO OPERATION. REMOVE OR DEFACE LABEL BEFORE Safe Handling					
	Disposal of CO, SO2, WITH INCOMPLETE COMBUSTION Contaminated Material					
XIV Transport Information	COMPOUND CLEANING, OTHER THAN LIQUID, N.O.I.					
XV-Regulatory Information XVI-Other Information						
S.A.R.A. Title III Section 313	NONE					
State Right to Know Information	SODIUM CARBONATE - CAS #497-19-8 SODIUM METASILICATE - CAS #6834-92-0 SODIUM CHLORIDE - CAS #7647-14-5 SODIUM TRIPOLYPHOSPHATE - CAS #7758-29-4 ETHOXYLATED ALCOHOL - CAS #68002-97-1					