

## MATERIAL SAFETY DATA SHEET

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	<u> </u>	PRESIDENT A PRANTA CENTERAL CAR						30/200	
I	Product Name PRECISION ADVANTAGE METAL SAFE					Emergency (800)831-9889 Medical(Collect) (303)592-1024			
	Product Code 39000280 UPC-A 774205554834 SCC 10774205554831								
Chemical Product and Company	Manufacturer JOHNSONDIVERSEY INC. 3630 E. KEMPER RD CINCINNATI, OH 45241-2046					Chemtree	(800)424		
Indentification						Date 06/01/2000			
	Chemical Family	MACHINE DISHWASHING PRO	DUCT						
	Chemical Name of	f Hazardous Ingredient		%	Exposure	Limits	Un	its	
	POTASSIUM HYDROXIDE 1310-58-3			10 2C		NA DI KANDA		<b>33</b>	
II	SODIUM SILICA	SODIUM SILICATE 1344-09-8		>30	NOTES	ESTABLISHED			
Composition/ Information on Ingredients									
ш	Signs U and T E Symptoms of H Exposure R O	NAUSEA/CORROSIVE TO SKIN AND E TO SKIN, EYES AND RESPIRATORY TO SAME AS ACUTE		STS ARI	E CORRO	SIVE			
Ш	N I								
Hazards Identification	C	2					. 5		
	HMIS: Health 3 Flammability 0 Reactivity 0 Personal Protection D  Conditions Aggravated SENSITIVE SKIN, EYES, IMPAIRED PULMONARY FUNCTION								
	Carcinogen Info	NONE				NTP IARC	OSH	A	
	Target Organs or System								
	Routes of Exposure: Inhalation X Skin X Ingestion X								
	Inhalation N/A IN NORMAL OPERATION								
IV	Eyes FLUSH THROUGHLY 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								
	Ingestion GIVE WATER. DO NOT INDUCE VOMITING. GET MEDICAL ATTENTION								
V	Fire Control WEAR PROTECTIVE GEAR AND SLEF CONTAINED BREATHING APPARATUS IN FIRE AREA Equipment								
Fire Fighting	Flammable Proper	ty Info							
Measures	Explosion Info NONE								
	Extinguishing Media WATER, WATER FOG, DRY CHEMICALS								
	Gases								

VI Accidental Measures	Spill and Leak CONTAINER  Clean UP Procedures  CERCLA RQ- SODIUM HYPOCHLORITE= 4000 POUNDS OR 370 GALLONS								
	Environmental Precautions								
	Ventilation Required? YES Instructions NO								
VII Handling and Storage	Safe Storage, Handling and Use Instructions  DO NOT PRESSURE CONTAINER TO EMPTY. IF FROZEN, THAW AND MIX TO MAKE USABLE. KEEP CONTAINER CLOSED								
	Imcompatible Materials								
VIII  Exposure Controls/ Personal Protection	Protective Gloves ALKALI RESISTANT								
	Eye Protection FACE SHIELD OR GOOGLES								
	Respiratory Protection WEAR NIOSH APPROVED RESPIRATOR IF TLV OR PEL EXPOSURE LIMITS ARE EXCEEDED								
	Other Protective NONE Clothing Equipment								
IX Physical and Chemical	Characteristics o of Hazardous Chemcial								
	Vapor Pressure 17.5 MmHg@ 20 °C Vapor Density(Air=1) pH 13.13 Water Solubility 100 %								
	Appearance & Odor CLEAR SLIGHTLY YELLOW LIQUID; CHLORINE ODOR  Boiling Point 215 °F Melting Point °F Flammability Limits in Air By Volume: Upper NONE Lower NONE								
Properties	Boiling Point 215 °F Melting Point °F Flammability Limits in Air By Volume: Upper NONE Lower NONE Flash Point NONE °F Auto Ignition N/A °F Oxidizing Properties								
	Specific Gravity 1.3 Volatile by Volume 70 %								
	Evaporation Rate(n-Butyl Acetate=1) >1								
	Peroxide, Pyrophoric, Unstable or Water Reactive LOW								
X	Reactivity and Hazardous Polymerization NONE  Possible Hazardous Reactions								
	Conditions to Avoid								
Stability and Reactivity	Materials MINERAL ACIDS RELEASE CHLORINE To Avoid								
	Hazardous CL2 Decomposition Products								
XI Toxicological Information									
XII	Possible Effects and Environmental Fate								
Ecological	Degradability								
Information	Aquatic Toxicity								
XIII Disposal Consideration	Method of Disposal, Residues and Safe Handling  USE UNTIL LESS THAN ONE INCH REMAINS IN CONTAINER. EMPTY CONTAINE R. TRIPLE RINSE WITH WATER. DISPOSE TO INDUSTRIAL OR SANITARY SEW ER. REMOVE OR DEFACE LABEL BEFORE SELLING CONTAINER OR DISPOSAL. CONTAINS PHOSPHATES. ALL CHEMICAL COMPONENTS ARE ON TSCA INVENTORY								
	Disposal of CL2 Contaminated Material								
XIV	CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S., (POTASSIUM HYDROXIDE, SODIUM								
Transport Information	SILICATE, SODIUM HYPOCHLORITE), 8, UN3266, PGII, NAERG 154								
XV-Regulatory Information XVI-Other Information									
S.A.R.A. Title III Section 313									
State Right to Know Information	POTASSIUM HYDROXIDE- CAS #1310-58-3 WATER- CAS #7732-18-5 SODIUM TRIPOLYPHOSPHATE- CAS #7758-29-4 SODIUM HYPOCHLORITE- CAS #7681-52-9								