## JohnsonDiversey



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

I Chemical Product and Company Indentification Indentification/ Information/ Information on Ingredients	Product Name Product Code Manufacturer Chemical Family Chemical Name of PHOSPHORIC A SULFURIC ACII NITRIC ACID (7	D (7664-93-9)	2-A SEY INC. RD [ 45241-2046 F ACID DETER	SCC	% 6 16 4	Exposur TLV 1; TLV 1; TLV 5;	PEL 1; STEL 3 PEL 1	(303) (800)	)831-9889 )592-1024 )424-9300 7/1996 Units MG/M3 MG/M3 MG/M3
III Haz ards Identific ation	A       CAUSES BURNS TO SKIN AND EYES. MISTS CAUSE SEVERE         Signs       IRRITATION TO SKIN, EYES, AND RESPIRATORY TRACT;         and       PULMONARY EDEMA. CAUSES BURNS TO DIGESTIVE TRACT.         and       MAY BE FATAL IF SWALLOWED.         Symptoms       SAME AS ACUTE         c       SAME AS ACUTE         HMIS:       Health       3         Flammability       0       Reactivity       0         Conditions Aggravated       SENSITIVE SKIN AND EYES, MAY AGGRAVATE RESPIRATORY								
	Conditions Aggrav Carcinogen Info Target Organs or S Routes of Exposur Inhalation <b>REM</b>	DISEASE. NONE ystem e: Inhalation [5]	Skin		ngestior	n X	NTP IARC		OSHA
IV First Aid Measures	Inhalation       REMOVE TO FRESH AIR. IF DIFFICULT BREATHING, GIVE OXYGEN.         GET MEDICAL ATTENTION.         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 WATER. DO NOT INDUCE VOMITING. GET MEDICAL ATTENTION.								
V Fire Fighting Measures	Fire Control Measures/ Equipment       WEAR SELF-CONTAINED BREATHING APPARATUS AND FULL PROTECTIVE GEAR IN FIRE AREA.         Flammable Property Info         Explosion Info       NONE								
	Extinguishing Media CO2, FOAM, WATER, DRY CHEMICAL Gases								

VI Accidental Measures	Spill and Leak       DIKE SPILL. VACUUM OR ABSORB WITH CLAY OR SAND. PLACE WASTE         IN APPROPRIATE COVERED CONTAINER. NEUTRALIZE RESIDUE WITH DILUTE         ALKALI AND FLUSH TO SANITARY SEWER.         Cerecta PRODUCT RQ: PHOSPHORIC ACID - 83,333 LBS OR 8,597 GAL.;         NITRIC ACID - 25,000 LBS OR 2,579 GAL.; SULFURIC ACID - 6,250         LBS OR 645 GAL.									
	Environmental Precautions									
	Ventilation Required? YES Instructions NORMAL AIR DILUTION									
VII Handling and Storage	Safe Storage,       DO NOT PRESSURIZE CONTAINER TO EMPTY. KEEP FROM FREEZING.         Handling       KEEP CONTAINER CLOSED.         and Use       Instructions									
	Imcompatible Materials									
	Protective Gloves ACID RESISTANT MATERIALS									
VIII	Eye Protection         GOGGLES WHEN POURING OR SPLASH HAZARD EXISTS									
Exposure Controls/ Personal Protection	Respiratory Protection USE NIOSH APPROVED RESPIRATOR IF PEL/TLV EXCEEDED.									
	Other Protective ACID RESISTANT CHEMICAL APRON WHEN HANDLING Clothing Equipment									
	Characteristics o of Hazardous Chemcial									
IX	Vapor Pressure         20.1         MmHg@         20         °C         Vapor Density(Air=1         N/A         pH         Water Solubility         100         %           Appearance & Odor         RED LIQUID; SHARP PUNGENT ODOR         Figure 1         N/A         pH         Water Solubility         100         %									
Physical and Chemical	Appearance & Odor       RED LIQUID; SHARP FUNGENT ODOR         Boiling Point       °F         Melting Point       °F         Flammability Limits in Air By Volume: Upper NONE       Lower NONE									
Properties	Flash Point     NONE °F     Auto Ignition     N/A     °F     Oxidizing Properties									
	Specific Gravity 1.165         Volatile by Volume         68         %									
	Evaporation Rate(n-Butyl Acetate=1) <1									
	Peroxide, Pyrophoric, Unstable or Water Reactive NONE Reactivity and Hazardous Polymerization NONE									
Х	Possible Hazardous Reactions									
	Conditions to Avoid									
Stability and Reactivity	Materials To Avoid CONCENTRATED ALKALIS, SOFT METALS, OR CHLORINATED COMPOUNDS									
	Hazardous OXIDES OF NITROGEN Decomposition Products									
XI Toxicological Information										
XII	Possible Effects and Environmental Fate									
Ecological Information	Degradability									
mormation	Aquatic Toxicity Method of USE UNTIL LESS THAN ONE INCH REMAINS IN CONTAINER, EMPTY									
XIII Disposal Consideration	Method of       USE ONTAILER. STITIAN ONE INCIT KEWARDS INCOMPARING REEK, EWITH         Disposal,       CONTAINER. TRIPLE RINSE WITH WATER, ADD TO OPERATION. REMOVE         OR DEFACE CONTAINER LABEL BEFORE SELLING OR DISPOSAL.       OR DEFACE CONTAINER LABEL BEFORE SELLING OR DISPOSAL.         Dispose       OF IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL         Safe       REGULATIONS. SOLUTIONS MAY BE TOXIC TO FISH OR AQUATIC LIFE.         Handling       Handling									
	Disposal of OXIDES OF NITROGEN Contaminated Material									
XIV Transport Information	CONTACT DISTR. DEPT. FOR DESCRIPTION									
XV-Regulatory Information XVI-Other Information										
S.A.R.A. Title III Section 313	THIS PRODUCT CONTAINS PHOSPHORIC ACID (7664-38-2) AT 6%, SULFURIC ACID (7664-93-9) AT 16%, AND NITRIC ACID (7697-37-2) AT 4%, WHICH ARE SARA REPORTABLE.									
State Right to Know Information	PHOSPHORIC ACID - CAS #7664-38-2 WATER - CAS #7732-18-5 SULFURIC ACID - CAS #7664-93-9 NITRIC ACID - CAS #7697-37-2 POLYALKOXY GLYCOL - CAS #9003-11-6									