

## MATERIAL SAFETY DATA SHEET

SERVAC Product Name Emergency (800)831-9889 I 08344280 UPC-A SCC Medical(Collect) (303)592-1024 Product Code Chemical Product Chemtree (800)424-9300 Manufacturer JOHNSONDIVERSEY INC. and Company 3630 E. KEMPER RD 06/17/1996 Date Indentification **CINCINNATI, OH 45241-2046** LIQUID ACID CLEANER Chemical Family Chemical Name of Hazardous Ingredient **Exposure Limits** Units PHOSPHORIC ACID (7664-38-2) 54 TLV 1: PEL 1: STEL 3 MG/M3  $\Pi$ Composition/ Information on Ingredients CAUSES BURNS TO SKIN AND EYES. MISTS CAUSE SEVERE IRRITATION TO SKIN, EYES, AND RESPIRATORY TRACT, PULMONARY EDEMA. CAUSES BURNS TO DIGESTIVE TRACT. Signs П MAY BE FATAL IF SWALLOWED. and Symptoms SAME AS ACUTE Exposure Ш O Haz ards Identific ation HMIS: Health 3 Flammability Reactivity Personal Protection D SENSITIVE SKIN AND EYES, MAY AGGRAVATE RESPIRATORY Conditions Aggravated DISEASE. Carcinogen Info NOT CARCINOGENIC NTP **IARC OSHA** Target Organs or System Routes of Exposure: Inhalation Skin Ingestion X X X REMOVE TO FRESH AIR. IF DIFFICULT BREATHING, GIVE OXYGEN. Inhalation GET MEDICAL ATTENTION. IV Eyes IMMEDIATELY FLUSH THOROUGHLY WITH FRESH WATER FOR AT LEAST 15 MINUTES. GET MEDICAL ATTENTION. First Aid Measures Skin IMMEDIATELY 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. Fire Control WEAR SELF-CONTAINED BREATHING APPARATUS AND PROTECTIVE GEAR TO Measures/ PREVENT SKIN CONTACT WITH ACIDIC SOLUTIONS. Equipment V Flammable Property Info Fire Fighting STRONG ACIDIC LIQUID **Explosion Info** Measures Extinguishing Media CO2, FOAM, DRY CHEMICAL, WATER Gases

Printed: 02/06/2004

VI Accidental Measures	Spill and Leak Clean UP Procedures  DIKE SPILL. VACUUM OR ABSORB WITH CLAY OR SAND. PLACE IN AN APPROPRIATE COVERED CONTAINER. NEUTRALIZE RESIDUE WITH DILUTE ALKALI AND FLUSH TO SANITARY SEWER.  CERCLA PRODUCT RQ = 11,363 LBS OR 1,067 GALLONS
	Environmental Precautions
	Ventilation Required? YES Instructions NORMAL AIR DILUTION
VII Handling and Storage	Safe Storage, Handling and Use Instructions  DO NOT PRESSURE CONTAINER TO EMPTY. KEEP CONTAINER CLOSED.  KEEP OUT OF THE REACH OF CHILDREN. WHEN DILUTING, ADD SLOWLY WITH STIRRING TO AVOID VIOLENT SPLATTERING AND HEAT GENERATION.
	Imcompatible Materials
VIII Exposure Controls/ Personal Protection	Protective Gloves ACID RESISTANT
	Eye Protection GOGGLES WHEN POURING OR SPLASH HAZARD EXISTS
	Respiratory Protection  USE APPROVED CARTRIDGE RESPIRATOR TO MAINTAIN PEL/TLV.
	Other Protective ACID RESISTANT CHEMICAL APRON WHEN HANDLING Clothing Equipment SAFETY SHOWER/EYE WASH
	Characteristics o of Hazardous Chemcial
IX	Vapor Pressure 9.56 MmHg@ 20 °C Vapor Density(Air=1 N/A pH Water Solubility 100 %  Appearance & Odor RED LIQUID; SHARP PUNGENT ODOR
Physical and Chemical Properties	Boiling Point 258 °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 1.37 Volatile by Volume 44 %
	Evaporation Rate(n-Butyl Acetate=1) 1.
X	Peroxide, Pyrophoric, Unstable or Water Reactive NONE
	Reactivity and Hazardous Polymerization NONE  Possible Hazardous Reactions
Λ	Conditions to Avoid
Stability and Reactivity	Materials To Avoid  CONCENTRATED ALKALIS, SOFT METALS, OR CHLORINATED COMPOUNDS
	Hazardous SULFUR OXIDES, PHOSPHORUS OXIDES Decomposition Products
XI Toxicological Information	
XII	Possible Effects and Environmental Fate
Ecological	Degradability
Information	Aquatic Toxicity  Middle 1 Control No. 10 Control N
XIII Disposal Consideration	Method of Disposal, Residues and Safe Handling  WEE UNTIL LESS THAN ONE INCH REMAINS IN CONTAINER, EMPTY CONTAINER. TRIPLE RINSE CONTAINER WITH WATER, ADD TO OPERATION. REMOVE OR DEFACE CONTAINER LABEL BEFORE SELLING, DISPOSAL, OR RECYCLE. DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL REGULATIONS. MAY BE TOXIC TO FISH OR AQUATIC LIFE.
	Disposal of SULFUR OXIDES, PHOSPHORUS OXIDES 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 SARA TITLE III, SECTION 313 CHEMICALS: PHOSPHORIC ACID (7664-38-2) AT 40%.
State Right to Know Information	PHOSPHORIC ACID - CAS #7664-38-2 WATER - CAS #7732-18-5 SODIUM ALHA OLEFIN SULFONATE - CAS #68439-57-6 C.I. ACID RED 27 DYE - CAS #915-67-3 NONYLPHENOXY POLYETHOXY GLYCOL - CAS #9016-45-9