

MATERIAL SAFETY DATA SHEET

SENTOL Product Name Emergency (800)831-9889 I (303)592-1024 08343150 UPC-A SCC Medical(Collect) 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** Chemical Family LIQUID ACID CLEANER **Exposure Limits** Units Chemical Name of Hazardous Ingredient PHOSPHORIC ACID (7664-38-2) MG/M3 37 TLV 1; PEL 1; STEL 3 Π 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 U HARMFUL 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 X Ingestion X X REMOVE TO FRESH AIR. IF DIFFICULT BREATHING, SEEK PROMPT MEDICAL Inhalation 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, FOR AT LEAST 15 MINUTES. REMOVE CONTAMINATED CLOTHES AND SHOES. GIVE WATER. DO NOT INDUCE VOMITING. GET PROMPT MEDICAL Ingestion 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, WATER FOG Gases

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VI Accidental Measures	Spill and Leak APPROPRIATE COVERED CONTAINER. NEUTRALIZE RESIDUE WITH DILUTE ALKALI AND FLUSH TO SANITARY SEWER. Procedures CERCLA PRODUCT RQ = PHOSPHORIC ACID - 13,158 LBS OR 1,277 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 NIOSH/MSHA RESPIRATOR TO MAINTAIN PEL/TLV OR FOR POTENTIAL EXPOSURES IF REPEATED OR PROLONGED EXPOSURE.
	Other Protective ACID RESISTANT CHEMICAL APRON WHEN HANDLING Clothing Equipment SAFETY SHOWER/EYE WASH
IX Physical and Chemical Properties	Characteristics o of Hazardous Chemcial
	Vapor Pressure 12.8 MmHg@ 20 °C Vapor Density(Air=1 N/A pH Water Solubility 100 % Appearance & Odor RED LIQUID; SLIGHT ACID ODOR
	Boiling Point 235 °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 1.235 Volatile by Volume 62 %
	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 PHOSPHORUS OXIDES Decomposition Products
XI Toxicological Information	
XII	Possible Effects and Environmental Fate
Ecological	Degradability
Information	Aquatic Toxicity Mala Land Mark Mark Mark Mark Mark Mark Mark Mark
XIII Disposal Consideration	Method of Disposal, Residues and Safe Handling USE 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 PHOSPHORUS OXIDES
XIV	Contaminated Material CONTACT DISTR. DEPT. FOR DESCRIPTION
Transport Information XV-Regulatory Information	CONTACT DISTR. DET 1. FOR DESCRIPTION
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 37% ALL CHEMICALS ARE LISTED ON THE TSCA INVENTORY.
State Right to Know Information	PHOSPHORIC ACID - CAS #7664-38-2 WATER - CAS #7732-18-5 POLYALKOXY GLYCOL - CAS #9003-11-6