

MATERIAL SAFETY DATA SHEET

COMMANDER CO99 Product Name Emergency (800)831-9889 I (303)592-1024 32599340 UPC-A **774205551215** Medical(Collect) SCC Product Code Chemical Product Chemtree (800)424-9300 Manufacturer AMERICLEAN SYSTEMS, INC. and Company 26935 NORTHWESTERN HWY, SUITE 400 06/18/1997 Date Indentification SOUTHFIELD, MI 48034 HEAVY DUTY BATHROOM CLEANER Chemical Family Units Chemical Name of Hazardous Ingredient **Exposure Limits** PHOSPHORIC ACID (7664-38-2) TLV 1; PEL 1; STEL 3 MG/M3 <10 Π GLYCOLIC ACID (79-14-1) 3 **PEL 10** MG/M3 Composition/ Information on Ingredients CAN CAUSE SEVERE EYE AND SKIN IRRITATION OR BURNS. DO NOT GET IN EYES, ON SKIN OR ON CLOTHING. HARMFUL IF SWALLOWED. BREATHING MISTS MAY CAUSE SEVERE Signs П IRRITATION TO RESPIRATORY TRACT. and Symptoms SAME AS ACUTE Exposure Ш O Haz ards Identific ation HMIS: Health 3 Personal Protection Flammability Reactivity \mathbf{c} SENSITIVE SKIN; MISTS MAY AGGRAVATE RESPIRATORY Conditions Aggravated DISEASE. Carcinogen Info NONE NTP **IARC OSHA** Target Organs or System Routes of Exposure: Inhalation Skin X Ingestion X X Inhalation REMOVE TO FRESH AIR. GET MEDICAL ATTENTION. IV Eyes IMMEDIATELY FLUSH THOROUGHLY WITH FRESH WATER FOR AT LEAST 15 MINUTES. GET MEDICAL ATTENTION IMMEDIATELY First Aid Measures Skin PROMPTLY FLUSH WITH FRESH WATER FOR AT LEAST 15 MINUTES. REMOVE CONTAMINATED CLOTHES AND SHOES. GET MEDICAL ATTENTION FOR INJURED SKIN. Ingestion GIVE WATER. DO NOT INDUCE VOMITING. GET MEDICAL ATTENTION. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON. Fire Control WEAR FULL PROTECTIVE GEAR TO PREVENT SKIN CONTACT AND Measures/ SELF-CONTAINED BREATHING APPARATUS IN FIRE AREA Equipment V Flammable Property Info DOES NOT BURN Fire Fighting CORROSIVE LIQUID. ELEVATED TEMPERATURES MAY CAUSE CONTAINERS TO **Explosion Info** Measures Extinguishing Media CO2, FOAM, WATER, DRY CHEMICALS Gases

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VI Accidental Measures	Spill and Leak Clean UP Procedures STOP LEAKS AND CONTAIN SPILL. WEAR APPROPRIATE PROTECTIVE EQUIPMENT. LIQUIDS SHOULD BE VACUUMED UP OR ABSORBED WITH CLAY OR SAND. PLACE WASTE IN APPROPRIATE COVERED CONTAINER. NEUTRALIZE RESIDUE WITH DILUTE ALKALI (SODIUM CARBONATE) AND FLUSH AREA WITH WATER. CERCLA PRODUCT RQ = PHOSPHORIC ACID - 11,363 LBS OR 1,067 GALLONS Environmental Precautions DO NOT FLUSH TO LAKES OR STREAMS.
	Ventilation Required? YES Instructions PRODUCING NORMAL AIR DILUTION
VII Handling and Storage	Safe Storage, Handling and Use Instructions KEEP AWAY FROM CHLORINATED CLEANERS AND BLEACHES. KEEP CONTAINER CLOSED. DO NOT STORE WITH FOOD, KEEP OUT OF THE REACH OF CHILDREN.
	Imcompatible Materials NONE
VIII Exposure Controls/ Personal Protection	Protective Gloves RUBBER GLOVES WHEN HANDLING CONCENTRATE OR DILUTE USE-SOLUTION.
	Eye Protection USE GOGGLES WITH CONCENTRATE FOR INDUSTRIAL SPLASH PROTECTION.
	Respiratory Protection IF PEL/TLV MAY BE EXCEEDED, USE AN APPROPRIATE NIOSH RESPIRATOR OR FULL FACE PIECE SUPPLIED AIR RESPIRATOR.
	Other Protective Clothing Equipment WEAR PROTECTIVE EYEWEAR, CLOTHING AND RUBBER GLOVES WHEN HANDLING PRODUCT.
IX Physical and Chemical Properties	Characteristics o of Hazardous Chemcial
	Vapor Pressure 15.0 MmHg@ 20 °C Vapor Density(Air=1 N/A pH 1.8 Water Solubility 100 % Appearance & Odor CLEAR, PURPLE LIQUID; SLIGHT CHERRY ODOR
	Boiling Point >212 °F Melting Point °F Flammability Limits in Air By Volume: Upper NONE Lower NONE
	Flash Point >200 °F Auto Ignition N/A °F Oxidizing Properties
	Specific Gravity 1.05 Volatile by Volume 85 %
	Evaporation Rate(n-Butyl Acetate=1) <1 Peroxide, Pyrophoric, Unstable or Water Reactive NONE
X Stability and Reactivity	Reactivity and Hazardous Polymerization NONE
	Possible Hazardous Reactions REACTS WITH METALS TO RELEASE HYDROGEN GAS
	Conditions to Avoid MIX ONLY WITH WATER
	Materials To Avoid ALKALINE MATERIALS, SOFT METALS, OR CHLORINATED CLEANERS, NATURAL MARBLE, AND COLORED GROUT.
XI	Hazardous OXIDES OF CARBON OR NITROGEN Decomposition Products
Toxicological Information	
XII	Possible Effects and Environmental Fate NONE
Ecological Information	Degradability N/A
- Information	Aquatic Toxicity NONE Method of USE UNTIL LESS THAN ONE INCH REMAINS IN CONTAINER, EMPTY
XIII Disposal Consideration	Disposal, Residues and Safe Handling CONTAINER. TRIPLE RINSE WITH WATER, ADD TO OPERATION. REMOVE OR DEFACE LABEL. PLACE RINSED CONTAINER IN TRASH OR RECYCLE IN AN APPROVED PROGRAM.
	Disposal of OXIDES OF CARBON OR NITROGEN Contaminated Material
XIV Transport Information	CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S., (PHOSPHORIC ACID, GLYCOLIC ACID) 8, UN3264,LTD. QTY.,PG III, ERG #60, NAERG #154
XV-Regulatory Information	
S.A.R.A. Title III Section 313	THIS PRODUCT CONTAINS PHOSPHORIC ACID (7664-38-2) AT 9.8%.
State Right to Know Information	PHOSPHORIC ACID CAS # 7664-38-2 WATER CAS # 7732-18-5 GLYCOLIC ACID CAS # 79-14-1 ALCOHOL ETHOXYLATE CAS # 68439-46-3