MATERIAL SAFETY DATA SHEET

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■ SECTION 01 IDENTIFICATION

MSDS No. 1600 REVIEWED: January 2009

TRADE NAME: **CorrectPac® Sanitizer No. CP1617**

NOTE: CAS Registry numbers are not applicable to formulated products. EPA Reg. No. 10324-117-8722 EPA Est. No. 8722-IL-1

■ SECTION 02 PHYSICAL & HEALTH HAZARDOUS INGREDIENTS

Hazardous Material as defined by 29 CFR 1910.1200 Reportable under CERCLA or SARA TITLE III Sec. 304 Regulations.

Common Names:	ethyl alcohol, alcohol		CAS# 64-17-5
Chemical Name:	ethanol		
Hazard % in formula:	in concentrate: 0.75%	in working use solution: 0.0015%	
Hazard Reference:	TLV:TWA 1000ppm	PEL : TWA 1000ppm	

■ SECTION 02A OTHER INGREDIENTS NOT CONSIDERED HAZARDOUS IN FORMULATION

NOTE: Contains germicidal active agents. By definition these agents are biologically active so that they can kill bacteria and viruses on contact. Even though they are not listed by OSHA et. al. as hazardous materials. Safe handling procedures and common sense should be used in their handling.

water	CAS# 7732-18-5
alkyl dimethyl benzyl ammonium chloride	CAS# 68424-85-1
octyl decyl dimethyl ammonium chloride didecyl dimethyl ammonium chloride dioctyl dimethyl ammonium chloride	CAS# 68424-95-3

■ SECTION 03 PHYSICAL & CHEMICAL CHARACTERISTICS

Boiling Point:	214 deg. F.	
Vapor pressure:	19 mm Hg	
Vapor density (Air=1):	Not determined.	
Water solubility:	Complete.	
Melting/Freezing point:	< 0 deg. F.	
Appearance:	Transparent clear liquid, water like consistency.	
Specific Grav. (water=1):	0.993	
Evaporation rate:	much slower than 1 (n-butyl acetate = 1)	
pH:	in concentrate: 6.8 ± .2	in working/use solution: will reflect pH of dilution water.
Odor:	Fresh, antiseptic odor.	

■ SECTION 04 PHYSICAL HAZARD DATA

Flash point:	Not applicable.
Flammable limits:	Not determined.
Fire fighting media:	Water spray, CO_2, dry chemical. Treat primary cause of fire.
Special fire fighting procedures:	None known.
Fire/Explosion Hazards:	None.

■ SECTION 05 REACTIVITY DATA

Stability:	Stable.
Hazardous Polymerization:	Will not occur.
Conditions to Avoid:	Very long exposure to materials containing copper, aluminum and strong oxidizing agents.
Incompatible Materials:	Strong oxidizing agents.
Hazardous Decomposition products:	Acrid smoke and fumes emitted when heated to decomposition.

■ SECTION 06 HEALTH HAZARD DATA

Oral Toxicity:	Not determined for formulation.
Carcinogenicity:	None of the individual materials in this formulation are listed as carcinogens in NTP, IARC Monographs, or are OSHA regulated carcinogens.

■ SECTION 07 SYMPTOMS OF OVEREXPOSURE

Symptoms of Ingestion:	When concentrate is ingested in sufficiently large quantities, immediate burning pain in the mouth, throat, abdomen and possible severe swelling of the larynx. Possible skeletal muscle paralysis affecting the ability to breath with circulatory shock, convulsions. May cause red blood cell hemolysis and possible liver and kidney injury. May be fatal. Circulatory shock possible if large quantities are ingested. Small unit dosed bag size would require the ingestion of multiple bags to reach the dangerous level.
Symptoms of Inhalation:	If misted in concentrated form, can cause irritation of mucous membrane, nose, eye and throat.
Symptoms of Skin Contact:	In the concentrate may cause dermatitis or irritation in some individuals upon prolonged contact. Localized skin defatting can be expected from concentrated material on long contact.
Symptoms of Eye Contact:	Causes painful stinging or burning of eyes and lids, watering of eye, conjunctivitis and in concentrated undiluted form may cause opaqueness of cornea.

■ SECTION 08 EMERGENCY FIRST AID PROCEDURES

For Ingestion:	DO NOT induce vomiting. Immediately give 3-4 glasses of milk, egg whites or gelatin solution (if none, give water for dilution). If vomiting occurs, give fluids again. NEVER give anything to an unconscious person. Call a physician. Probable mucosal damage may contraindicate the use of gastric lavage. Measures against circulatory shock as well as oxygen and measures to support breathing manually or mechanically may be needed. If persistent, convulsions may be controlled by the cautious intravenous injection of a short acting barbiturate drug.
For Skin:	As for all foreign materials, wash off with water. Remove clothing that has been saturated by concentrate. Decontaminate affected clothing and shoes.
For Eyes:	PROMPTLY flush with large amounts of water occasionally lifting the lower and upper lids. Call a physician if irritation persists.
Medical conditions aggravated by exposure:	No data found.

■ SECTION 09 OCCUPATIONAL CONTROL PROCEDURES

Ventilation:	Normally not required.
Respiratory Protection:	Not required under normal working/use conditions.
Eye Protection:	EPA recommends use of goggles or face shield.
Skin Protection:	For concentrate use rubber gloves. Some individuals may be uniquely sensitive even to dilute use solution.
Personal Hygiene:	As in handling any germicidally active agent, wash thoroughly after using.
Food Contamination:	Discard food contaminated with sanitizer.

■ SECTION 10 PRECAUTIONS FOR SAFE HANDLING STORAGE AND USE

Precautionary Measures:	Avoid contact with eyes and prolonged contact of concentrate with skin. Avoid breathing concentrate if misted. Use with adequate ventilation. Do not store at elevated temperatures.
Spills Clean-up Procedures:	Concentrated materials are packed in very small bags limiting any spills to very small quantities. Paper toweling or mopping is usually sufficient.
Disposal Method:	Normal waste disposal of empty bags in accordance with state and local regulations or recycle after rinsing package.

■ HAZARD RATINGS

	NFPA Concentrate	NFPA Dilution
Health	2	1
Flammability	0	0
Reactivity	0	0

■ GENERAL NOTE ABOUT PRODUCTS

CorrectPac® Sanitizer formulation is not substantially different from any other commercially available sanitizer. The unique packaging of PortionPac materials in unit dosed bags limits the amount of exposure of the concentrate to very small amounts. Spills can be cleaned up with paper toweling or plain mopping.
We know of no hazards associated with the proper use and handling of this product.
PortionPac Chemical Corporation makes no warranty, expressed or implied, as to the accuracy, completeness or reliability of this information, except that such information is, to the best of our knowledge and belief, accurate as of the date indicated.

PELIGRO: SI NO PUEDE LEER EN INGLES, PREGUNTE A SU SUPERVISOR SOBRE LAS INSTRUCCIONES DE USO APROPIADAS ANTES DE TRABAJAR CON ESTE PRODUCTO.

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MSDS: 1600 REVIEWED: 01/09

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