SAFETY DATA SHEET

Revision Date 01-January-2016 **Version** 3

1. IDENTIFICATION

Product Identifier

Product Name PortionPac® Germicidal DetergentQ

Other means of Identification

SDS # 232-Concentrate

Product Code 232

Recommended use of the chemical and restrictions on use

Recommended Use Germicidal Detergent

Details of the Supplier of the Safety Data Sheet

Supplier Address

PortionPac Chemical Corporation 400 N. Ashland Avenue Chicago, IL 60622-6382 www.portionpaccorp.com

Emergency Telephone Number

Company Phone Number Phone: 312-226-0400 Fax: 312-226-5400

Emergency Telephone Number INFOTRAC 1-352-323-3500 (International)
1-800-535-5053 (North America)

2. HAZARDS IDENTIFICATION

Classification

Product as sold

Skin corrosion/irritation	Category 2
Serious eye damage/irritation	Category 1

Signal Word

Danger

Hazard Statements

Causes skin irritation.
Causes serious eye damage.

Precautionary Statements - Prevention

Wash face, hands and any exposed skin thoroughly after handling.
Wear protective gloves and eye protection.

Precautionary Statements - Response

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Immediately call a poison center or physician.
IF ON SKIN: Wash with plenty of soap and water. Take off contaminated clothing and wash it before reuse. If skin irritation occurs: Get medical advice.

Product in use dilution

Does not have hazards as defined by the OSHA Hazard Communication Standard 29 CFR 1910.1200. However, this Safety Data Sheet (SDS) contains valuable information critical to the safe handling and proper use of this product.

Hazards not otherwise classified (HNOC) May be harmful if swallowed.

Unknown Acute Toxicity 1.5% of the mixture consists of ingredient(s) of unknown toxicity.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Appearance Red liquid **Physical State** Liquid **Odor** Fresh odor.

Chemical Name	CAS No	Weight-%
didecyldimethylammonium chloride	7173-51-5	<6%
alkyl dimethyl benzyl ammonium chloride (C12-16)	68424-85-1	<4%
ethyl alcohol	64-17-5	<2%

In the concentrations in this formulation, the ingredients listed below are considered to be non-hazardous according to OSHA 1910.1200:

water (CAS# 7732-18-5), C9-11 pareth-6 (CAS# 68439-46-3), tetrasodium EDTA (CAS# 64-02-8), citric acid (CAS# 77-92-9), trace fragrance and colorant added.

4. FIRST AID MEASURES

First aid measures

Eye Contact Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a poison center or physician.

Skin Contact Wash with plenty of soap and water. Take off contaminated clothing and wash it before reuse. If skin irritation occurs: Get medical advice.

Inhalation Remove to fresh air.

Ingestion Do not induce vomiting. Drink plenty of water.

Most important symptoms and effects, both acute and delayed

Symptoms May be harmful if swallowed. Small, unit dose pouch size would require the ingestion of multiple pouches to reach the dangerous level. In concentrated form, causes skin irritation and serious eye damage.

Indication of any immediate medical attention and special treatment needed

Note to physicians Treat symptomatically.

5. FIRE FIGHTING MEASURES

Suitable Extinguishing Media Dry chemical, CO_2 or water spray.
Unsuitable Extinguishing Media Not determined.
Specific hazards arising from the chemical None known.
Protective equipment and precautions for firefighters
As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal precautions Use personal protective equipment as described in Section 8 of this Safety Data Sheet.

Environmental precautions See Section 12 of this Safety Data Sheet for additional ecological information.

Methods and material for containment and cleaning up

Methods for containment Concentrated materials are packed in unit-dosed pouches limiting any spills to very small quantities.

Methods for cleaning up Paper toweling or mopping is usually sufficient.

7. HANDLING AND STORAGE

Precautions for safe handling

Advice on safe handling Foods contaminated by germicides should be discarded and utensils, etc. should be rinsed with potable water before use. Avoid contact with skin, eyes or clothing. Keep out of reach of children.

Conditions for safe storage, including any incompatibilities

Storage conditions Keep containers in a dry, cool and well-ventilated place. Do not store near heat or open flame.

Incompatible materials None known.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
citric acid		15 mg/m^3 (Total)	-
ethyl alcohol	STEL: 1000 ppm	TWA: 1000 ppm TWA: 1900 mg/m3 (vacated) TWA: 1000 ppm (vacated) TWA: 1900 mg/m3	IDLH: 3300 ppm TWA: 1000 ppm TWA: 1900 mg/m3

Appropriate engineering controls

Engineering Controls Apply technical measures to comply with the occupational exposure limits.

Individual protection measures, such as personal protective equipment

Eye/face protection Wear protective glasses when mixing product.

Skin and body protection Wear gloves when mixing product.

Respiratory protection Provide adequate ventilation.

General Hygiene Considerations Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical State Liquid
Appearance Red liquid
Color Red
Odor Fresh odor
Odor Threshold Not determined

Property	Values	Remarks • Method
pH	6 – 8	
Melting point/freezing point	< -17.8 °C / <0 °F	
Boiling point/boiling range	Not determined.	
Flash point	Not determined.	
Evaporation rate	Not determined.	
Flammability (solid, gas)	Not applicable.	
Flammability Limits in Air		
Upper flammability limits	Not determined.	
Lower flammability limit	Not determined.	
Vapor pressure	Not determined.	
Vapor density	Not determined.	
Specific Gravity	1.002 – 1.006	(1=Water)
Water solubility	Completely soluble.	
Solubility in other solvents	Not determined.	
Partition coefficient	Not determined.	
Autoignition temperature	Not determined.	
Decomposition temperature	Not determined.	
Kinematic viscosity	Not determined.	
Dynamic viscosity	Not determined.	

10. STABILITY AND REACTIVITY

Reactivity	Not reactive under normal conditions.
Chemical stability	Stable under recommended storage conditions.
Possibility of Hazardous Reactions	None under normal processing.
Conditions to avoid	Strong oxidizing agents, reducing agents.
Incompatible materials	Strong oxidizing agents, reducing agents.
Hazardous Decomposition Products	If heated to decomposition, CO, CO_2 & NO_x may be produced.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Eye or skin contact, ingestion or inhalation.

Component Information

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
didecyldimethylammonium chloride 7173-51-5	= 84 mg/kg (Rat)	-	-
alkyl dimethyl benzyl ammonium chloride (C12-16) 68424-85-1	= 426 mg/kg (Rat)	-	-
C9-11 pareth-6 68439-46-3	= 1400 mg/kg (Rat) = 1378 mg/kg (Rat)	> 2 g/kg (Rabbit)	-
ethyl alcohol 64-17-5	= 7060 mg/kg (Rat)		= 124.7 mg/L (Rat) 4 h
citric acid 77-92-9	= 3000 mg/kg (Rat)	-	-

Information on physical, chemical and toxicological effects

Symptoms See section 4.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Carcinogenicity Ethanol has been shown to be carcinogenic in long-term studies only when consumed as an alcoholic beverage.

Numerical measures of toxicity - Product

Not determined.

12. ECOLOGICAL INFORMATION

Ecotoxicity Toxic to aquatic life with long lasting effects.

Component Information

Chemical Name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
ethyl alcohol 64-17-5		12.0 - 16.0: 96 h Oncorhynchus mykiss mL/L LC50 static 13400 - 15100: 96 h Pimephales promelas mg/L LC50 flow-through 100: 96 h Pimephales promelas mg/L LC50 static	EC50 = 34634 mg/L 30 min EC50 = 35470 mg/L 5 min	9268 - 14221: 48 h Daphnia magna mg/L LC50 2: 48 h Daphnia magna mg/L EC50 Static 10800: 24 h Daphnia magna mg/L EC50
citric acid 77-92-9	-	1516: 96 h Lepomis macrochirus mg/L LC50 static	-	120: 72 h Daphnia magna mg/L EC50

Persistence and degradability Not determined.
Bioaccumulation Not determined.
Mobility Not determined.

Chemical Name	Partition Coefficient
ethyl alcohol 64-17-5	-0.32
Citric acid 77-92-9	-1.72

Other adverse effects Not determined.

13. DISPOSAL CONSIDERATIONS

Waste treatment methods

Disposal of wastes Dispose of in accordance with applicable regional, national and local laws and regulations.

Contaminated packaging Dispose of in accordance with applicable regional, national and local laws and regulations.

California Hazardous Waste Status

ethyl alcohol Toxic, ignitable.

14. TRANSPORT INFORMATION

DOT Not regulated.
IATA Not regulated.
IMDG Not regulated.

15. REGULATORY INFORMATION

International Inventories

Chemical Name	TSCA	DSL	NDSL	EINECS	ELINCS	ENCS	IECSC	KECL	PICCS	AICS
didecyldimethylammonium chloride	Present	X		Present		Present	X	Present	X	X
alkyl dimethyl benzyl ammonium chloride (C12-16)	Present	X		Present		Present	X	Present	X	X
ethyl alcohol	Present	X		Present		Present	X	Present	X	X

US Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain chemicals which are subject to reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

US State Regulations

California Proposition 65

This product does not contains the following Proposition 65 chemicals.

Chemical Name	Partition Coefficient
ethyl alcohol 64-17-5	carcinogen, developmental

U.S. State Right-to-know Regulations

Chemical Name	New Jersey	Massachusetts	Pennsylvania
ethyl alcohol	X	X	X

U.S. EPA Label Information EPA Reg. No. 10324-155-8722 EPA Est. No. 86091-WI-1

16. OTHER INFORMATION

	Health hazards	Flammability	Instability	Special hazards
NFPA	1	0	0	N/A
	Health hazards	Flammability	Physical hazards	Personal Protection
HMIS	1	0	0	A

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Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet