

SAFETY DATA SHEET

Revision Date 01-December-2015

Version 3

1. IDENTIFICATION

Product Identifier

Product Name PortionPac® Germicidal Detergent

Other means of Identification

SDS # 0200-Concentrate

Product Code 201N, 202N, 204N, 205N, 230N, 264N

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

Product in use dilution

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.

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, CO₂ 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/m ³ (vacated) TWA: 1000 ppm (vacated) TWA: 1900 mg/m ³ | IDLH: 3300 ppm TWA: 1000 ppm TWA: 1900 mg/m ³ |

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

| <u>Property</u> | <u>Values</u> | <u>Remarks • Method</u> |
|------------------------------|---------------------|-------------------------|
| 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

| | |
|---|--|
| <u>Reactivity</u> | Not reactive under normal conditions. |
| <u>Chemical stability</u> | Stable under recommended storage conditions. |
| <u>Possibility of Hazardous Reactions</u> | None under normal processing. |
| <u>Conditions to avoid</u> | Strong oxidizing agents, reducing agents. |
| <u>Incompatible materials</u> | Strong oxidizing agents, reducing agents. |
| <u>Hazardous Decomposition Products</u> | 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

| <u>Chemical Name</u> | <u>Oral LD50</u> | <u>Dermal LD50</u> | <u>Inhalation LC50</u> |
|--|---|---------------------|--------------------------|
| 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

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

Issue Date 01-January-2009

Revision Date 01-December-2015

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