SAFETY DATA SHEET

1. IDENTIFICATION

Product Identifier

<table>
<thead>
<tr>
<th>Product Name</th>
<th>PortionPac® Germicidal Cleaner</th>
</tr>
</thead>
<tbody>
<tr>
<td>Other means of Identification</td>
<td>0200-Concentrate</td>
</tr>
<tr>
<td>SDS #</td>
<td>201N, 202N, 204N, 205N, 230N, 264N</td>
</tr>
<tr>
<td>Registration Number</td>
<td>1839-215-8722</td>
</tr>
<tr>
<td>Recommended use of the chemical and restrictions on use</td>
<td>EPA Registered Germicidal Cleaner</td>
</tr>
<tr>
<td>Recommended Use</td>
<td></td>
</tr>
<tr>
<td>Details of the Supplier of the Safety Data Sheet</td>
<td>PortionPac Chemical Corporation</td>
</tr>
<tr>
<td>Supplier Address</td>
<td>400 N. Ashland Avenue Chicago, IL 60622-6382 <a href="http://www.portionpaccorp.com">www.portionpaccorp.com</a></td>
</tr>
<tr>
<td>Emergency Telephone Number</td>
<td></td>
</tr>
<tr>
<td>Company Phone Number</td>
<td>Phone: 312-226-0400 Fax: 312-226-5400</td>
</tr>
<tr>
<td>Emergency Telephone Number</td>
<td>INFOTRAC 1-352-323-3500 (International) 1-800-535-5053 (North America)</td>
</tr>
</tbody>
</table>

2. HAZARDS IDENTIFICATION

This product is registered by the Environmental Protection Agency and is subject to certain labeling requirements under federal law. These requirements differ from the classification criteria and hazard information required for safety data sheets and for workplace labels of non-EPA registered chemicals. See Section 15 for EPA information.

Classification

<table>
<thead>
<tr>
<th>Product as sold</th>
<th>Product in use dilution</th>
</tr>
</thead>
<tbody>
<tr>
<td>Skin corrosion/irritation</td>
<td>Category 2</td>
</tr>
<tr>
<td>Serious eye damage/irritation</td>
<td>Category 1</td>
</tr>
<tr>
<td>Signal Word</td>
<td></td>
</tr>
<tr>
<td>Danger</td>
<td></td>
</tr>
<tr>
<td>Hazard Statements</td>
<td></td>
</tr>
<tr>
<td>Causes skin irritation.</td>
<td></td>
</tr>
<tr>
<td>Causes serious eye damage.</td>
<td></td>
</tr>
<tr>
<td>Precautionary Statements – Prevention</td>
<td></td>
</tr>
<tr>
<td>Wash face, hands and any exposed skin thoroughly after handling.</td>
<td></td>
</tr>
<tr>
<td>Wear protective gloves and eye protection.</td>
<td></td>
</tr>
<tr>
<td>Precautionary Statements - Response</td>
<td></td>
</tr>
<tr>
<td>IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.</td>
<td></td>
</tr>
<tr>
<td>Immediately call a poison center or physician.</td>
<td></td>
</tr>
<tr>
<td>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.</td>
<td></td>
</tr>
<tr>
<td>Other Hazards</td>
<td></td>
</tr>
<tr>
<td>Toxic to aquatic life with long lasting effects.</td>
<td></td>
</tr>
</tbody>
</table>

3. COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS No</th>
<th>Weight-%</th>
</tr>
</thead>
<tbody>
<tr>
<td>didecyl dimethyl ammonium chloride</td>
<td>7173-81-5</td>
<td>1-10%</td>
</tr>
<tr>
<td>alkyl dimethyl benzyl ammonium chloride (C12-16)</td>
<td>68424-85-1</td>
<td>&lt;5%</td>
</tr>
<tr>
<td>ethyl alcohol</td>
<td>64-17-5</td>
<td>&lt;5%</td>
</tr>
<tr>
<td>tetrasodium EDTA</td>
<td>64-02-8</td>
<td>&lt;5%</td>
</tr>
</tbody>
</table>

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), poly(oxy-1,2-ethanediyl), a-undecyl-w-hydroxy- (CAS# 34398-01-1), lactic acid (CAS# 79-33-4), free amines (proprietary), trisodium NTA (CAS# 5064-31-3), sodium hydroxide (CAS# 1310-73-2), ethylenediaminetriacetic acid, trisodium salt (CAS# 19019-43-3), 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 burns and serious eye damage.

**Indication of any immediate medical attention and special treatment needed**

Note to physicians: Treat symptomatically.

---

5. **FIRE FIGHTING MEASURES**

<table>
<thead>
<tr>
<th>Suitable Extinguishing Media</th>
<th>Measures that are appropriate to circumstances and the surrounding environment.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Unsuitable Extinguishing Media</td>
<td>Not determined.</td>
</tr>
<tr>
<td>Specific hazards arising from the chemical</td>
<td>Not determined.</td>
</tr>
</tbody>
</table>

**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**

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. Wash hands and any exposed skin thoroughly after handling. 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**

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>ACGIH TLV</th>
<th>OSHA PEL</th>
<th>NIOSH IDLH</th>
</tr>
</thead>
<tbody>
<tr>
<td>ethyl alcohol</td>
<td>STEL: 1000 ppm</td>
<td>TWA: 1000 ppm</td>
<td>IDLH: 3300 ppm</td>
</tr>
</tbody>
</table>

| TWA: 1900 mg/m3 | TWA: 1000 ppm | TWA: 1900 mg/m3 |
| (vacated)      | (vacated)    | (vacated)    |

**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**

<table>
<thead>
<tr>
<th>Physical State</th>
<th>Appearance</th>
<th>Color</th>
<th>Odor</th>
<th>Odor Threshold</th>
</tr>
</thead>
<tbody>
<tr>
<td>Liquid</td>
<td>Red liquid</td>
<td>Red</td>
<td>Fresh odor</td>
<td>Not determined</td>
</tr>
</tbody>
</table>
Property | Values | Remarks • Method
--- | --- | ---
pH | 6 – 8 | 
Melting point/freezing point | Not determined. | 
Boiling point/boiling range | Not determined. | 
Flash point | > 200 °F (> 93.3 °C) | 
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 | Not determined. | 
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 | Keep out of reach of children. |
Incompatible materials | None known. |
Hazardous Decomposition Products | None known. |

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure: Eye or skin contact, ingestion or inhalation.

Component Information

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Oral LD50</th>
<th>Dermal LD50</th>
<th>Inhalation LC50</th>
</tr>
</thead>
<tbody>
<tr>
<td>didecyldimethylammonium chloride 7173-51-5</td>
<td>= 84 mg/kg (Rat)</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>alkyl dimethyl benzyl ammonium chloride (C12-16) 68424-85-1</td>
<td>= 426 mg/kg (Rat)</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>ethyl alcohol 64-17-5</td>
<td>= 7060 mg/kg (Rat)</td>
<td>= 124.7 mg/L (Rat) 4 h</td>
<td></td>
</tr>
<tr>
<td>Tetrasodium EDTA 64-02-8</td>
<td>= 1658 mg/kg (Rat) = 10 g/kg (Rat)</td>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>

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. |

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>ACGIH</th>
<th>IARC</th>
<th>NTP</th>
<th>OSHA</th>
</tr>
</thead>
<tbody>
<tr>
<td>ethyl alcohol 64-17-5</td>
<td>A3</td>
<td>Group 1</td>
<td>Known</td>
<td>X</td>
</tr>
</tbody>
</table>

Numerical measures of toxicity - Product

ATEmix (oral) | 3.886.00 mg/kg |
ATEmix (inhalation-dust/mist) | 5591.90 mg/L |

12. ECOLOGICAL INFORMATION

Ecotoxicity | Toxic to aquatic life with long lasting effects. |

Component Information

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Algae/aquatic plants</th>
<th>Fish</th>
<th>Crustacea</th>
</tr>
</thead>
<tbody>
<tr>
<td>ethyl alcohol 64-17-5</td>
<td>1.01: 72 h Desmodesmus subspicatus mg/L EC50</td>
<td>13400 - 15100: 96 h Pimephales promelas mg/L LC50 flow-through 100: 96 h Pimephales promelas mg/L LC50 static 12.0 - 16.0: 96 h Oncorhynchus mykiss mg/L LC50 static</td>
<td>10800: 24 h Daphnia magna mg/L EC50</td>
</tr>
<tr>
<td>tetrasodium EDTA 64-02-8</td>
<td>59.8: 96 h Pimephales promelas mg/L LC50 static 41: 96 h Lepomis macrochirus mg/L LC50 static</td>
<td>610: 24 h Daphnia magna mg/L EC50</td>
<td></td>
</tr>
</tbody>
</table>

Persistence and degradability | Not determined. |
Bioaccumulation | Not determined. |
13. DISPOSAL CONSIDERATIONS

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

14. TRANSPORT INFORMATION

This product is a pesticide product registered by the Environmental Protection Agency and is subject to labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets and workplace labels of non-pesticides. Following is the EPA required hazard information:

**Chemical Name**
- Ethyl alcohol

**Health hazards**
- Toxic, ignitable.

**NFPA**
- Health hazards: 1
- Flammability: 0
- Instability: 0
- Special hazards: N/A

**HMIS**
- Health hazards: 1
- Flammability: 0
- Physical hazards: 0
- Personal Protection: B

**EPA Label**
- Signal Word: Danger
- Keep out of reach of children. Corrosive. Causes irreversible eye damage and skin burns. Do not get in eyes, on skin or on clothing. May be fatal if inhaled. Do not breathe spray mist. Harmful if swallowed or absorbed through skin. Wear goggles or face shield, rubber gloves and protective clothing when handling. Wash thoroughly with soap and water after handling and before eating, drinking, using tobacco or using the toilet. Remove contaminated clothing and wash before reuse.

15. REGULATORY INFORMATION

US Federal Regulations

CERCLA
This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355).

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.

CWA (Clean Water Act)
This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

US State Regulations

California Proposition 65
This product does not contain any Proposition 65 chemicals. The ethyl alcohol referred to in Proposition 65 is EDF-026 – “ethyl alcohol in alcoholic beverages”

U.S. State Right-to-know Regulations

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>New Jersey</th>
<th>Massachusetts</th>
<th>Pennsylvania</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethyl alcohol</td>
<td>X</td>
<td>X</td>
<td>X</td>
</tr>
</tbody>
</table>

U.S. EPA Label Information
EPA Reg. No. 1839-215-8722

EPA Statement
This chemical is a pesticide product registered by the Environmental Protection Agency and is subject to labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets and workplace labels of non-pesticides. Following is the EPA required hazard information:

**Chemical Name**
- Ethyl alcohol

**Health hazards**
- Toxic, ignitable.

**NFPA**
- Health hazards: 1
- Flammability: 0
- Instability: 0
- Special hazards: N/A

**HMIS**
- Health hazards: 1
- Flammability: 0
- Physical hazards: 0
- Personal Protection: B

Issue Date
01-March-2017

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