1. PRODUCT AND COMPANY IDENTIFICATION

Product name: Swisher Portion Control Bar Sanitizer
Product code: 41746
Recommended Use: Bar Sanitizer
EPA Registration Number: 10634-27-72802

Distributor:
Swisher Hygiene Inc.,
4725 Piedmont Row Drive,
Suite 400,
Charlotte, NC 28210

Chemical Emergency Phone Number: 800-424-9300 (Chemtrec)
Company Emergency Phone Number: 800-444-4138

2. HAZARDS IDENTIFICATION

Emergency Overview
Corrosive: causes burns to eyes
Causes irreversible eye damage
Harmful if swallowed

Appearance: White granules.
Physical state: Solid white granules.
Odor: Bland Scent

Potential Health Effects
Acute toxicity
Eyes: Corrosive to the eyes; may cause severe and permanent damage.
Skin: Severely irritating to skin; can cause chemical burns, especially to broken skin.
Inhalation: Inhalation of dust causes toxic effects.
Ingestion: Can cause chemical burns of mouth, throat, stomach and mucous membranes.

Chronic Effects: No known effect based on information supplied

Aggravated Medical Conditions: None known.

Environmental hazard: See Section 12 for additional Ecological Information

3. COMPOSITION/INFORMATION ON INGREDIENTS

This material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS-No</th>
<th>Weight %</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
4. FIRST AID MEASURES

**Eye contact**
Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention immediately.

**Skin contact**
Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call poison control center or doctor for treatment advise.

**Inhalation**
If exposed to excessive levels of dust, remove to fresh air and get medical attention. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. Call a poison control center or doctor for further treatment advise.

**Ingestion**
Call poison control center or doctor for treatment advise. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told by poison control center or doctor. Do not give anything by mouth to an unconscious person.

**Notes to physician**
Treat symptomatically

5. FIRE-FIGHTING MEASURES

**Flammable Properties**
Not flammable

**Flash point**
none

**Suitable Extinguishing Media**
If involved in a fire, foam, carbon dioxide, dry chemical or water.

**Hazardous Combustion Products**
High temperatures e.g. in a fire will release carbon dioxide, nitrogen, chlorine, cyanogen chloride.

**Explosion Data**

**Sensitivity to Mechanical Impact**
none

**Sensitivity to Static Discharge**
none

**Specific hazards arising from the chemical**
Strong oxidizing agent. Material will burn with the evolution of chlorine and equally toxic gases. Contact with water slowly liberates chlorine-containing gases. Decomposes at 460 to 480 deg F with liberation of harmful gases.

**Protective Equipment and Precautions for Firefighters**
If possible, isolate container in open air or well-ventilated area. Flood with large volume of water. Use self-contained breathing apparatus where this material is involved in a fire.

<table>
<thead>
<tr>
<th></th>
<th>41746 - Swisher Portion Control Bar Sanitizer</th>
<th>6834-92-0</th>
<th>8</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium metasilicate</td>
<td></td>
<td></td>
<td>8</td>
</tr>
<tr>
<td>Sodium dichloroisocyanurate dihydrate</td>
<td></td>
<td>51580-86-0</td>
<td>5</td>
</tr>
</tbody>
</table>

6. ACCIDENTAL RELEASE MEASURES

**Personal precautions**
Ensure adequate ventilation

**Environmental precautions**
This product is toxic to fish. Do not discharge into lakes, streams, ponds or public waters unless in accordance with NPDES permit.

**Methods for Containment**
Sweep up and place in a disposal container.
Methods for cleaning up

Mop up or flush residue to drain with water.

---

7. HANDLING AND STORAGE

Advice on safe handling

KEEP OUT OF REACH OF CHILDREN CAUTION Avoid contact with eyes Wear goggles and rubber gloves when handling Wash thoroughly after handling

Technical measures/Storage conditions

Store in cool dry place. Store away from food, feed, combustible materials and other chemicals

---

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines

Review Section 3 & 4 for 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>Sodium metasilicate</td>
<td></td>
<td>2mg/m³</td>
<td></td>
</tr>
</tbody>
</table>

Engineering Measures

Showers
Eyewash stations
Ventilation systems

Personal Protective Equipment Institutional Environment

- **Eye/Face Protection**: Safety glasses are suggested when using this product in heavy use and institutional environments.
- **Consumer Environments**: Care should be taken to avoid Eye contact.
- **Skin and body protection**: Rubber gloves
- **Respiratory protection**: Unnecessary in open institutional environment.
- **Hygiene measures**: Practice good personal hygiene. Wash after handling.

Personal Protective Equipment Industrial Environment

- **Eye/Face Protection**: Splash-proof chemical goggles or face shield.
- **Skin and body protection**: Impervious rubber, alkali-proof protective gloves Impervious rubber boots & apron.
- **Respiratory protection**: If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.
- **Hygiene measures**: Practice good personal hygiene. Wash after handling. Shower at end of work period Practic good personal hygiene. Wash after handling

---

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Values</th>
<th>Remarks/Methods</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical state</td>
<td>Solid white granules</td>
<td>No information available</td>
</tr>
<tr>
<td>Appearance</td>
<td>White granules.</td>
<td>No information available</td>
</tr>
<tr>
<td>Color</td>
<td>white</td>
<td>No information available</td>
</tr>
<tr>
<td>Odor</td>
<td>Bland Scent</td>
<td>No information available</td>
</tr>
<tr>
<td>Odor Threshold</td>
<td></td>
<td>No information available</td>
</tr>
<tr>
<td>pH</td>
<td>10.2-10.9</td>
<td>No information available</td>
</tr>
<tr>
<td>Melting/freezing point</td>
<td></td>
<td>No information available</td>
</tr>
<tr>
<td>Freezing Point</td>
<td></td>
<td>No information available</td>
</tr>
<tr>
<td>Boiling point / boiling range</td>
<td></td>
<td>No information available</td>
</tr>
<tr>
<td>Flash Point</td>
<td></td>
<td>No information available</td>
</tr>
<tr>
<td>Evaporation rate</td>
<td></td>
<td>No information available</td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td></td>
<td>No information available</td>
</tr>
</tbody>
</table>
Flammability Limits in Air
upper flammability limit
lower flammability limit
Explosion Limits
upper
lower
Vapor pressure
Vapor density
Specific Gravity
Water solubility
Solubility in other solvents
Partition coefficient: n-octanol/water
Autoignition temperature
Decomposition temperature
Viscosity, kinematic
Viscosity, dynamic
Explosive properties
Oxidizing Properties
9.2  Other information
Softening point
Molecular Weight
VOC Content(%)
Density VALUE
Bulk Density VALUE
10. STABILITY AND REACTIVITY
Stability
Incompatible products
Conditions to Avoid
Hazardous Decomposition Products
Hazardous Polymerization
11. TOXICOLOGICAL INFORMATION
Acute toxicity
Product Information
Chemical Name
LD50 Oral
LD50 Dermal
LC50 Inhalation
Sodium metasilicate 600 mg/kg ( Rat )
Chronic toxicity
Target Organ Effects
None known.
12. ECOLOGICAL INFORMATION

Ecotoxicity
The environmental impact of this product has not been fully investigated

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Toxicity to algae</th>
<th>Toxicity to fish</th>
<th>Toxicity to microorganisms</th>
<th>Toxicity to daphnia and other aquatic invertebrates</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium metasilicate</td>
<td></td>
<td>210: 96 h Brachydanio rerio mg/L LC50 210: 96 h Brachydanio rerio mg/L LC50 semi-static</td>
<td>216: 96 h Daphnia magna mg/L EC50</td>
<td></td>
</tr>
</tbody>
</table>

Persistence and degradability        Considered biodegradable.

13. DISPOSAL CONSIDERATIONS

Waste Disposal Methods
Small amounts of unused product may be flushed safely to the sanitary sewer with plenty of water. Contact local water board before flushing large amounts. Large amounts may be disposed of in a sanitary landfill check with State and local authorities for restrictions and to ensure proper disposal of product.

Contaminated packaging
Do not re-use empty containers

14. TRANSPORT INFORMATION

Note
Cleaning Compound, Not Regulated

Dot
Proper shipping name
Cleaning Compound, Not Regulated

TDG
Not regulated

MEX
Not regulated

ICAO
Not regulated

ICAO/IATA
Not regulated

IMDG / IMO
Not regulated

RID
Not regulated

ADR/RID
Not regulated

ADN
Not regulated

15. REGULATORY INFORMATION

<table>
<thead>
<tr>
<th>International Inventories</th>
<th>TSCA</th>
<th>DSL</th>
<th>NDSL</th>
<th>EINECS</th>
<th>ELINCS</th>
</tr>
</thead>
<tbody>
<tr>
<td>TSCA</td>
<td>TSCA</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>DSL</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>NDSL</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>EINECS</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>ELINCS</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>
SARA 313
Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

SARA 311/312 Hazard Categories

<table>
<thead>
<tr>
<th>Hazard Category</th>
<th>Yes/No</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute Health Hazard</td>
<td>No</td>
</tr>
<tr>
<td>Chronic Health Hazard</td>
<td>No</td>
</tr>
<tr>
<td>Fire Hazard</td>
<td>No</td>
</tr>
<tr>
<td>Sudden Release of Pressure Hazard</td>
<td>No</td>
</tr>
<tr>
<td>Reactive Hazard</td>
<td>No</td>
</tr>
</tbody>
</table>

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).

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). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

U.S. State Regulations

California Proposition 65
This product does not contain any Proposition 65 chemicals.

U.S. State Right-to-Know Regulations

International Regulations

Canada
This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.
### 16. OTHER INFORMATION

<table>
<thead>
<tr>
<th>Prepared By</th>
<th>Swisher Hygiene Inc.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>4725 Piedmont Row Drive</td>
</tr>
<tr>
<td></td>
<td>Suite 400</td>
</tr>
<tr>
<td></td>
<td>Charlotte, NC 28210</td>
</tr>
</tbody>
</table>

**Issuing date**

06-Sep-2011

**Revision Date**

21-Oct-2011

**Revision Note**

No information available

**Disclaimer**

The information provided on this MSDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as 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 material or in any process, unless specified in the text.

End of Material Safety Data Sheet