1. PRODUCT AND COMPANY IDENTIFICATION

Product name: Swisher Power Clean
Product code: 42081
UN/ID No: UN1759
Recommended Use: Dishmachine Detergent

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
May cause severe burns to eyes and skin
Harmful if swallowed
Harmful if inhalation exposure limits are exceeded

Appearance: White powder
Physical state: Powder
Odor: Odorless

Potential Health Effects
Acute toxicity
- Eyes: Causes burns
- Skin: Causes burns
- Inhalation: Irritation, or burning to mucous membranes.
- Ingestion: Irritation, or burning to 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 product is 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>
</table>

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4. FIRST AID MEASURES

**Eye contact**
Flush with flowing water for 15 minutes & see physician.

**Skin contact**
Flush with water. Remove contaminated clothing and do not re-wear until washed. If burns develop see a physician.

**Inhalation**
Dust may produce severe irritation. If difficulty in breathing occurs, leave area and do not return until dust has settled.

**Ingestion**
Drink large amounts of water or milk. DO NOT INDUCE VOMITING. See a physician immediately.

**Notes to physician**
Treat symptomatically.

5. FIRE-FIGHTING MEASURES

**Flammable Properties**
Not flammable

**Flash point**
N/A

**Suitable Extinguishing Media**
Dry chemical, water mist, alcohol foam

**Explosion Data**
Sensitivity to Mechanical Impact: none

Sensitivity to Static Discharge: none

**Specific hazards arising from the chemical**
Contact with aluminum and zinc in presence of moisture will produce hydrogen gas, which can form explosive mixture in air.

**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.

**NFPA**
Health Hazard 0  Flammability 0  Stability 0

**HMIS**
Health Hazard 2  Flammability 0  Physical Hazard 0  Personal protection -

6. ACCIDENTAL RELEASE MEASURES

**Personal precautions**
Ensure adequate ventilation

**Environmental precautions**
Try to prevent the material from entering drains or water courses

**Methods for Containment**
Sweep up spilled material taking care not to produce dust. Dilute residual material with dilute acetic acid (vinegar) to a pH of less than 10.

**Methods for cleaning up**
Pick up and transfer to properly labeled containers

7. HANDLING AND STORAGE

**Advice on safe handling**
KEEP OUT OF REACH OF CHILDREN. Wash hands before eating. Keep container tightly closed when not in use.
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 hydroxide</td>
<td></td>
<td>TWA: 2 mg/m³</td>
<td>IDLH: 10 mg/m³</td>
</tr>
<tr>
<td>1310-73-2</td>
<td></td>
<td>Ceiling: 2 mg/m³</td>
<td></td>
</tr>
<tr>
<td>Sodium metasilicate</td>
<td></td>
<td>2mg/m³</td>
<td></td>
</tr>
<tr>
<td>6834-92-0</td>
<td></td>
<td></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
  - Practice 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>powder</td>
<td>Odor: Odorless</td>
</tr>
<tr>
<td>Appearance</td>
<td>White powder</td>
<td>Odor Threshold: No information available</td>
</tr>
<tr>
<td>Color</td>
<td>white</td>
<td></td>
</tr>
<tr>
<td>pH</td>
<td>&gt; 13</td>
<td></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>
<tr>
<td>Flammability Limits in Air</td>
<td></td>
<td>No information available</td>
</tr>
<tr>
<td>upper flammability limit</td>
<td></td>
<td></td>
</tr>
<tr>
<td>lower flammability limit</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Explosion Limits</td>
<td></td>
<td></td>
</tr>
<tr>
<td>upper</td>
<td></td>
<td></td>
</tr>
<tr>
<td>lower</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Vapor pressure | No information available
Vapor density | No information available
Specific Gravity | No information available
Water solubility | No information available
Solubility in other solvents | No information available
Partition coefficient: n-octanol/water | No information available
Autoignition temperature | No information available
Decomposition temperature | No information available
Viscosity, kinematic | No information available
Viscosity, dynamic | No information available
Explosive properties | No information available
Oxidizing Properties | No information available

9.2 Other information
Softening point | No information available
Molecular Weight | No information available
VOC Content(%) | No information available
Density VALUE | No information available
Bulk Density VALUE | No information available

10. STABILITY AND REACTIVITY

Stability | Stable
Incompatible products | Strong acids Contact with aluminum or zinc in the presence of moisture
Conditions to Avoid | Moisture Elevated Temperatures
Hazardous Decomposition Products | Carbon oxides
Hazardous Polymerization | Hazardous polymerization does not occur

11. TOXICOLOGICAL INFORMATION

Acute toxicity

Product Information | Dust is irritating to eyes and mucous membranes. Causes burns to eyes, skin, and mucous membranes. May be toxic if swallowed

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>LD50 Oral</th>
<th>LD50 Dermal</th>
<th>LC50 Inhalation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium hydroxide</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sodium metasilicate</td>
<td></td>
<td>1350 mg/kg (Rabbit)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>600 mg/kg (Rat)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Chronic toxicity

Target Organ Effects | None known.

12. ECOLOGICAL INFORMATION

Ecotoxicity
The environmental impact of this product has not been fully investigated
### 13. DISPOSAL CONSIDERATIONS

#### Waste Disposal Methods
Flush diluted material to sewer.

#### Contaminated packaging
Do not re-use empty containers

### 14. TRANSPORT INFORMATION

#### Note
UN1759, Corrosive Solid, n.o.s. (contains sodium hydroxide), 8, PG II

#### Dot
- **Proper shipping name**: UN1759, Corrosive Solid, n.o.s. (contains sodium hydroxide), 8, PG II
- **Hazard class**: 8
- **UN/ID No**: UN1759
- **Packing Group**: II

##### 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

#### International Inventories
- **TSCA**: TSCA
- **DSL**: -
- **NDSL**: Complies
- **EINECS**: -
- **ELINCS**: -
- **ENCS**: Complies
- **IECSC**: Complies
- **KECL**: -
- **PICCS**: Complies
- **AICS**: Complies
TSCA - United States Toxic Substances Control Act Section 8(b) Inventory  
DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List  
EINECS/ELINCS - European Inventory of Existing Commercial Chemical Substances/EU List of Notified Chemical Substances  
ENCS - Japan Existing and New Chemical Substances  
IECSC - China Inventory of Existing Chemical Substances  
KECL - Korean Existing and Evaluated Chemical Substances  
PICCS - Philippines Inventory of Chemicals and Chemical Substances  
AICS - Australian Inventory of Chemical Substances  

U.S. Federal Regulations  

SARA 313  
_SARA TITLE III (EPCRA) NOTIFICATION: Does not contain chemicals subject to the reporting requirements of Section 302, 304, or 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986._  
COMPREHENSIVE ENVIRONMENTAL RESPONSE, COMPENSATION, AND LIABILITY ACT (CERCLA) NOTIFICATION: SODIUM HYDROXIDE  
For more information, consult 40 CFR parts 302, 355, 370, 372, and 40 CFR part 68.  

SARA 311/312 Hazard Categories  
_Acute Health Hazard_  
Chronic Health Hazard  
Fire Hazard  
Sudden Release of Pressure Hazard  
Reactive Hazard  

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).  

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CWA - Reportable Quantities</th>
<th>CWA - Toxic Pollutants</th>
<th>CWA - Priority Pollutants</th>
<th>CWA - Hazardous Substances</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium hydroxide</td>
<td>1000 lb</td>
<td></td>
<td></td>
<td>X</td>
</tr>
</tbody>
</table>

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.  

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Hazardous Substances RQs</th>
<th>Extremely Hazardous Substances RQs</th>
<th>RQ</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium hydroxide</td>
<td>1000 lb</td>
<td></td>
<td>RQ 454 kg final RQ</td>
</tr>
</tbody>
</table>

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

Prepared By
Swisher Hygiene Inc.
4725 Piedmont Row Drive
Suite 400
Charlotte, NC 28210

Issuing date
13-Oct-2011

Revision Date
28-Nov-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