Material Safety Data Sheet

1. PRODUCT AND COMPANY IDENTIFICATION

<table>
<thead>
<tr>
<th>Product name</th>
<th>Swisher Striker</th>
</tr>
</thead>
<tbody>
<tr>
<td>Product code</td>
<td>42089</td>
</tr>
<tr>
<td>Recommended Use</td>
<td>Silver Presoak</td>
</tr>
</tbody>
</table>

**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**
The product contains no substances which at their given concentration, are considered to be hazardous to health.

<table>
<thead>
<tr>
<th>Appearance</th>
<th>Physical state</th>
<th>Odor</th>
</tr>
</thead>
<tbody>
<tr>
<td>solid</td>
<td>solid.</td>
<td>Bland Scent</td>
</tr>
</tbody>
</table>

**Potential Health Effects**

**Acute toxicity**

<table>
<thead>
<tr>
<th>Eyes</th>
<th>Severe irritation and burning</th>
</tr>
</thead>
<tbody>
<tr>
<td>Skin</td>
<td>Causes moderate skin irritation May cause burns</td>
</tr>
<tr>
<td>Inhalation</td>
<td>No known effect based on information supplied</td>
</tr>
<tr>
<td>Ingestion</td>
<td>May cause irritation</td>
</tr>
</tbody>
</table>

**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>Sodium metasilicate</td>
<td>6834-92-0</td>
<td>&lt; 10</td>
</tr>
<tr>
<td>Nonyl phenol 4 mole ethoxylate</td>
<td>9016-45-9</td>
<td>&lt; 10</td>
</tr>
</tbody>
</table>
4. FIRST AID MEASURES

General advice
May cause irritation to exposed mucous membranes.

Eye contact
Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

Skin contact
Flush with flowing water for 15 minutes.

Inhalation
Not likely to occur under conditions of use. If mists form, leave area until mists have dissipated.

Ingestion
Give milk or water to dilute material; DO NOT induce vomiting. Avoid alcohol. CALL A PHYSICIAN OR POISON CONTROL CENTER IMMEDIATELY; NEVER 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
Dry chemical Water spray Alcohol-resistant foam

Explosion Data
Sensitivity to Mechanical Impact
none
Sensitivity to Static Discharge
none

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
Physical and chemical hazards -

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
Collect dry material. Dilute residual or any fluid spilled with dilute acetic acid (vinegar) to less than pH 10.

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

7. HANDLING AND STORAGE

Advice on safe handling
Avoid contact with solid material. Use only in appropriate dispenser.

Technical measures/Storage conditions
Store in a cool, dry place away from acids

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines
Review Section 3 & 4 for Exposure Guidelines.
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</th>
<th>Methods</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical state</td>
<td>solid</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Appearance</td>
<td>solid</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Color</td>
<td>blue</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Odor</td>
<td></td>
<td>Bland Scent</td>
<td></td>
</tr>
<tr>
<td>Odor Threshold</td>
<td></td>
<td>No information available</td>
<td></td>
</tr>
<tr>
<td>pH</td>
<td>11.2</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Melting/freezing point</td>
<td></td>
<td>No information available</td>
<td></td>
</tr>
<tr>
<td>Freezing Point</td>
<td></td>
<td>No information available</td>
<td></td>
</tr>
<tr>
<td>Boiling point/boiling range</td>
<td></td>
<td>No information available</td>
<td></td>
</tr>
<tr>
<td>Flash Point</td>
<td></td>
<td>No information available</td>
<td></td>
</tr>
<tr>
<td>Evaporation rate</td>
<td></td>
<td>No information available</td>
<td></td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td></td>
<td>No information available</td>
<td></td>
</tr>
<tr>
<td>Flammability Limits in Air</td>
<td></td>
<td>No information available</td>
<td></td>
</tr>
<tr>
<td>Explosion Limits</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>upper flammability limit</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>lower flammability limit</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Vapor pressure</td>
<td></td>
<td>No information available</td>
<td></td>
</tr>
<tr>
<td>Vapor density</td>
<td></td>
<td>No information available</td>
<td></td>
</tr>
<tr>
<td>Specific Gravity</td>
<td></td>
<td>No information available</td>
<td></td>
</tr>
<tr>
<td>Water solubility</td>
<td>ND</td>
<td>No information available</td>
<td></td>
</tr>
<tr>
<td>Solubility in other solvents</td>
<td></td>
<td>No information available</td>
<td></td>
</tr>
<tr>
<td>Partition coefficient: n-octanol/water</td>
<td>No information available</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Autoignition temperature</td>
<td></td>
<td>No information available</td>
<td></td>
</tr>
</tbody>
</table>
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
Conditions to Avoid Elevate Temperatures
Hazardous Decomposition Products Carbon oxides
Hazardous Polymerization Hazardous polymerization does not occur

11. TOXICOLOGICAL INFORMATION

Acute toxicity

Product Information Product does not present an acute toxicity hazard based on known or supplied information.
Eye contact Severe irritation to eyes Causes burns
Skin contact Irritation to skin May cause burns
Ingestion Ingestion may cause irritation to mucous membranes

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>LD50 Oral (mg/kg) (Rat)</th>
<th>LD50 Dermal (mg/kg) (Rat)</th>
<th>LC50 Inhalation (mL/kg) (Rabbit)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium metasilicate</td>
<td>600</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Nonyl phenol 4 mole ethoxylate</td>
<td>1310</td>
<td></td>
<td>2</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

<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></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
13. DISPOSAL CONSIDERATIONS

**Waste Disposal Methods**
Flush diluted material to sewer Dispose of solids in a manner approved by federal, state and local regulatory agencies

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

14. TRANSPORT INFORMATION

**Note**
Cleaning Compound, Not Regulated

**Dot Proper shipping name**
Not regulated
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

**International Inventories**

<table>
<thead>
<tr>
<th>Inventory</th>
<th>Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>TSCA</td>
<td>TSCA</td>
</tr>
<tr>
<td>DSL</td>
<td>Complies</td>
</tr>
<tr>
<td>NDSL</td>
<td>Complies</td>
</tr>
<tr>
<td>EINECS</td>
<td>-</td>
</tr>
<tr>
<td>ELINCS</td>
<td>-</td>
</tr>
<tr>
<td>ENCS</td>
<td>Complies</td>
</tr>
<tr>
<td>IECSC</td>
<td>Complies</td>
</tr>
<tr>
<td>KECL</td>
<td>Complies</td>
</tr>
<tr>
<td>PICCS</td>
<td>Complies</td>
</tr>
<tr>
<td>AICS</td>
<td>Complies</td>
</tr>
</tbody>
</table>

**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
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

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

Issuing date: 29-Aug-2011
Revision Date: 19-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