1. PRODUCT AND COMPANY IDENTIFICATION

Product name: Swisher Tuff
Product code: 41776-40
Recommended Use: Low Suds Laundry 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
The product contains no substances which at their given concentration, are considered to be hazardous to health.

Appearance: White Powder with Blue Specs
Physical state: powder.
Odor: Light lemon

Potential Health Effects
Acute toxicity
- Eyes: May cause mild transient irritation and dryness.
- Skin: May cause mild transient irritation and dryness.
- Inhalation: Heavy exposure to dust may cause transient respiratory tract irritation.
- Ingestion: Possible mild gastrointestinal irritation with nausea, vomiting, and/or diarrhea.

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 carbonate</td>
<td>497-19-8</td>
<td>&lt; 25</td>
</tr>
<tr>
<td>Sodium metasilicate</td>
<td>6834-92-0</td>
<td>&lt; 3</td>
</tr>
<tr>
<td>Nonyl phenol 4 mole ethoxylate</td>
<td>9016-45-9</td>
<td>&lt; 2</td>
</tr>
</tbody>
</table>
4. FIRST AID MEASURES

Eye contact
Flush with large amounts of cool running water for at least 15 minutes while holding upper and lower lids open. If irritation persists get medical attention immediately.

Skin contact
Flush with flowing water for 15 minutes. See physician if irritation persists.

Inhalation
Move to fresh air. Get medical attention immediately.

Ingestion
Drink large amounts of water, Do not induce vomiting. Consult physician immediately for additional advice and treatment.

Notes to physician
Treat symptomatically

5. FIRE-FIGHTING MEASURES

Flammable Properties
Not flammable

Flash point
none

Suitable Extinguishing Media
Use extinguishing measures that are appropriate to local circumstances and the surrounding environment

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 1 Flammability 0 Stability 0 Physical and chemical hazards -
HMIS Health Hazard 1 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
Prevent further leakage or spillage if safe to do so

Methods for cleaning up
Stop spill or leak if it can be done safely. Contain spill to smallest possible area. Large spills should be recovered for disposal.

7. HANDLING AND STORAGE

Advice on safe handling
KEEP OUT OF REACH OF CHILDREN Empty containers may contain product residue. All safety precautions taken when handling this product should also be taken when handling empty drums and containers Keep container closed when not in use

Technical measures/Storage conditions
Store in a cool, dry area away from combustibles and reactive chemicals. Store away from sources of ignition. Do not store at temperatures above 120 º F.

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 Environment**: Care should be taken to avoid Eye contact.
- **Skin and body protection**: Impervious rubber, alkali-proof protective 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
- **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

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>powder</td>
<td>Odor</td>
<td>Light lemon</td>
</tr>
<tr>
<td>Appearance</td>
<td>White Powder with Blue Specs</td>
<td>Odor Threshold</td>
<td>No information available</td>
</tr>
<tr>
<td>Color</td>
<td>white</td>
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<td></td>
</tr>
<tr>
<td>pH</td>
<td>10.5-11.0</td>
<td></td>
<td>No information available</td>
</tr>
<tr>
<td>Melting/freezing point</td>
<td></td>
<td></td>
<td>No information available</td>
</tr>
<tr>
<td>Freezing Point</td>
<td></td>
<td></td>
<td>No information available</td>
</tr>
<tr>
<td>Boiling point/boiling range</td>
<td></td>
<td></td>
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</tr>
<tr>
<td>Flash Point</td>
<td></td>
<td></td>
<td>No information available</td>
</tr>
<tr>
<td>Evaporation rate</td>
<td></td>
<td></td>
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</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td></td>
<td></td>
<td>No information available</td>
</tr>
<tr>
<td>Flammability Limits in Air</td>
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<td>upper flammability limit</td>
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<td>lower flammability limit</td>
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<td>Explosion Limits</td>
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<tr>
<td>upper</td>
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<td>lower</td>
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<tr>
<td>Vapor pressure</td>
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<td>Vapor density</td>
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<tr>
<td>Water solubility</td>
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<tr>
<td>Solubility in other solvents</td>
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<tr>
<td>Partition coefficient: n-octanol/water</td>
<td></td>
<td></td>
<td>No information available</td>
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</tbody>
</table>
10. STABILITY AND REACTIVITY

Stability

Stable

Incompatible products

Strong Oxidizers and Acids

Conditions to Avoid

None known based on information supplied

Hazardous Decomposition Products

Oxides of Carbon

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.

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>LD50 Oral</th>
<th>LD50 Dermal</th>
<th>LC50 Inhalation</th>
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<tbody>
<tr>
<td>Sodium carbonate</td>
<td>4090 mg/kg (Rat)</td>
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<tr>
<td>Sodium metasilicate</td>
<td>600 mg/kg (Rat)</td>
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</tr>
<tr>
<td>Nonyl phenol 4 mole ethoxylate</td>
<td>1310 mg/kg (Rat)</td>
<td>2 mL/kg (Rabbit)</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**

This material, as supplied, is not a hazardous waste according to Federal regulations (40 CFR 261). This material could become a hazardous waste if it is mixed with or otherwise comes in contact with a hazardous waste, if chemical additions are made to this material, or if the material is processed or otherwise altered. Consult 40 CFR 261 to determine whether the altered material is a hazardous waste. Consult the appropriate state, regional, or local regulations for additional requirements.

**Contaminated packaging**

Do not re-use empty containers

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### 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

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### 15. REGULATORY INFORMATION

**International Inventories**

<table>
<thead>
<tr>
<th>International Invetories</th>
<th>TSCA</th>
<th>DSL</th>
<th>NDSL</th>
<th>EINECS</th>
<th>ELINCS</th>
<th>ENCS</th>
<th>IECSC</th>
<th>KECL</th>
<th>PICCS</th>
<th>AICS</th>
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<td>EINECS</td>
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</table>

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
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>Status</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.
Prepared By
Swisher Hygiene Inc.
4725 Piedmont Row Drive
Suite 400
Charlotte, NC 28210

Issuing date
17-Oct-2011

Revision Date
17-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