1. PRODUCT AND COMPANY IDENTIFICATION

Product name: Swisher Bio Rinse
Product code: 42087-1
Reference number(s): 42087-5/42087-15
Recommended Use: Rinse Additive

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
Irritating to eyes
Harmful if swallowed

Appearance: Liquid.
Physical state: liquid.
Odor: Surfactant

Potential Health Effects
Acute toxicity
Eyes: Irritating to eyes
Skin: No known effect based on information supplied
Inhalation: Not an expected route of exposure
Ingestion: Nausea and 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>Alcohols, C6-10, ethoxylated propoxylated</td>
<td>68987-81-5</td>
<td>0</td>
</tr>
</tbody>
</table>
4. FIRST AID MEASURES

Eye contact
Wash with water for 15 minutes. See physician if irritation persists.

Skin contact
Wash skin with soap and water

Inhalation
Not likely to occur under condition of use.

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 Alcohol-resistant foam Water spray

Hazardous Combustion Products
Carbon oxides

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

HMIS
Health Hazard 1  Flammability 0  Physical Hazard 0

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 leak. Dilute spilled material with water.

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

Technical measures/Storage conditions
Store in cool dry place.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines
Review Section 3 & 4 for Exposure Guidelines.
**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.
- **Care should be taken to avoid Eye contact.**
- **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

**Personal Protective Equipment Industrial Environment**
- **Eye/Face Protection**: Impervious rubber, alkali-proof protective gloves Impervious rubber boots.
- **Skin and body protection**: Impervious rubber boots & apron.
- **Respiratory protection**: NIOSH/MSHA approved respiratory protection should be worn.
- **Hygiene measures**: 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</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Physical state</strong></td>
<td>liquid</td>
<td></td>
</tr>
<tr>
<td><strong>Appearance</strong></td>
<td>Liquid</td>
<td></td>
</tr>
<tr>
<td><strong>Color</strong></td>
<td>blue</td>
<td></td>
</tr>
<tr>
<td><strong>Odor</strong></td>
<td>Surfactant</td>
<td></td>
</tr>
<tr>
<td><strong>Odor Threshold</strong></td>
<td>No information available</td>
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</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Property</th>
<th>Values</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>pH</strong></td>
<td>8.2</td>
<td>No information available</td>
</tr>
<tr>
<td><strong>Melting/freezing point</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Freezing Point</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Boiling point/boiling range</strong></td>
<td>&gt; 212 °F</td>
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<tr>
<td><strong>Flash Point</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Evaporation rate</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Flammability (solid, gas)</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Flammability Limits in Air</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>upper flammability limit</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>lower flammability limit</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Explosion Limits</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>lower</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>lower</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Vapor pressure</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Vapor density</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Specific Gravity</strong></td>
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</tr>
<tr>
<td><strong>Water solubility</strong></td>
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<tr>
<td><strong>Solubility in other solvents</strong></td>
<td>No information available</td>
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</tr>
<tr>
<td><strong>Partition coefficient: n-octanol/water</strong></td>
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<td></td>
</tr>
<tr>
<td><strong>Autoignition temperature</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Decomposition temperature</strong></td>
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<td></td>
</tr>
<tr>
<td><strong>Viscosity, kinematic</strong></td>
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<td></td>
</tr>
<tr>
<td><strong>Viscosity, dynamic</strong></td>
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</tr>
<tr>
<td><strong>Explosive properties</strong></td>
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<td></td>
</tr>
</tbody>
</table>

**Explosive properties**: No information available
9.2 Other information

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Softening point</td>
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</tr>
<tr>
<td>Molecular Weight</td>
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</tr>
<tr>
<td>VOC Content(%)</td>
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<tr>
<td>Density VALUE</td>
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</tr>
<tr>
<td>Bulk Density VALUE</td>
<td>No information available</td>
</tr>
</tbody>
</table>

10. STABILITY AND REACTIVITY

Stability

Stable

Incompatible products

None known based on information supplied

Conditions to Avoid

No special precautions beyond standard safe industrial practices.

Hazardous Decomposition Products

Oxides of Carbon

Hazardous Polymerization

Hazardous polymerization does not occur

11. TOXICOLOGICAL INFORMATION

Acute toxicity

May cause eye irritation May cause nausea and diarrhea if ingested

Chronic toxicity

This product does not contain any known or anticipated carcinogens according to the criteria of the NTP annual report on carcinogens and OSHA 29 CFR 1910.2

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

Diluted material may be flushed to the sewer.

Contaminated packaging

Do not re-use empty containers

14. TRANSPORT INFORMATION

Note

Cleaning Compound Liquid, Not Regulated
15. REGULATORY INFORMATION

International Inventories

<table>
<thead>
<tr>
<th>Regulation</th>
<th>Not regulated</th>
</tr>
</thead>
<tbody>
<tr>
<td>TSCA</td>
<td>TSCA</td>
</tr>
<tr>
<td>DSL</td>
<td>-</td>
</tr>
<tr>
<td>NDSC</td>
<td>-</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>-</td>
</tr>
<tr>
<td>AICS</td>
<td>Complies</td>
</tr>
</tbody>
</table>

**Explanation:**

- **TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory
- **DSL/NDSC** - 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>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 25-Aug-2011
Revision Date 25-Aug-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