1. PRODUCT AND COMPANY IDENTIFICATION

Product name           Swisher Spot Zyme Plus Prespotter
Product code           40218-32OZ
Recommended Use        Dual Enzyme Based Prespotter

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  Clear Thin Liquid  Physical state  liquid.  Odor  Mild, Cherry

Potential Health Effects
Acute toxicity
  Eyes                   Irritating to eyes
  Skin                   Irritating to skin
  Inhalation            No known effect based on information supplied
  Ingestion             No known effect based on information supplied

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).

4. FIRST AID MEASURES

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

Inhalation
Move to fresh air

Ingestion
Give milk or water to dilute material; DO NOT induce vomiting. 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
Water spray or fog, dry chemical, carbon dioxide, if product is involved.

Hazardous Combustion Products
If burned, normal combustion products: Carbon Dioxide and Carbon Monoxide.

Explosion Data
Sensitivity to Mechanical Impact
none

Sensitivity to Static Discharge
none

Specific hazards arising from the chemical
Product will not burn but may splatter if temperature exceeds boiling point.

Protective Equipment and Precautions for Firefighters
Avoid exposure to fumes or vapors. Wear self-contained positive pressurized breathing apparatus MSHA/NIOSH approved or equivalent to maintain TLV.

**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
Mop up & flush to sewer with plenty of water. Floors may be slippery. Use care to avoid falls.

**7. HANDLING AND STORAGE**

Advice on safe handling
KEEP OUT OF REACH OF CHILDREN CAUTION Do not get in eyes, on skin or on clothing Remove and wash contaminated clothing before re-use

Technical measures/Storage conditions
Avoid all contact. Store upright in original closed container.

**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.
- **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</th>
<th>Methods</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Physical state</strong></td>
<td>liquid</td>
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<td></td>
</tr>
<tr>
<td><strong>Appearance</strong></td>
<td>Clear Thin Liquid</td>
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<td></td>
</tr>
<tr>
<td><strong>Color</strong></td>
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</tr>
<tr>
<td><strong>Odor</strong></td>
<td>Mild Cherry</td>
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<td><strong>Odor Threshold</strong></td>
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<td><strong>pH</strong></td>
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</tr>
<tr>
<td><strong>Freezing Point</strong></td>
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<td><strong>Boiling point/boiling range</strong></td>
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<td><strong>Flash Point</strong></td>
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</tr>
<tr>
<td><strong>Evaporation rate</strong></td>
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</tr>
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<td><strong>Flammability (solid, gas)</strong></td>
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</tr>
<tr>
<td><strong>Flammability Limits in Air</strong></td>
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</tr>
<tr>
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<td><strong>Explosion Limits</strong></td>
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<tr>
<td><strong>upper</strong></td>
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<tr>
<td><strong>lower</strong></td>
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</tr>
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<td><strong>Solubility in other solvents</strong></td>
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<tr>
<td><strong>Partition coefficient: n-octanol/water</strong></td>
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<td><strong>Viscosity, kinematic</strong></td>
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<tr>
<td><strong>Viscosity, dynamic</strong></td>
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<td><strong>Explosive properties</strong></td>
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<tr>
<td><strong>Oxidizing Properties</strong></td>
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9.2 Other information

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
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<tbody>
<tr>
<td>Softening point</td>
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<tr>
<td>Bulk Density VALUE</td>
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</tr>
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</table>

10. STABILITY AND REACTIVITY

**Stability**
Stable. Store in a cool, dry area.

**Incompatible products**
Strong oxidizing agents in concentrated areas, cationics.

**Conditions to Avoid**
None known based on information supplied

**Hazardous Decomposition Products**
If burned, normal combustion products: Carbon Dioxide, Carbon Monoxide.

**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.

**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

14. TRANSPORT INFORMATION
### 15. REGULATORY INFORMATION

#### International Inventories

<table>
<thead>
<tr>
<th>Inventory</th>
<th>Regulation Status</th>
</tr>
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<tbody>
<tr>
<td>TSCA</td>
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</tr>
<tr>
<td>DSL</td>
<td>Complies</td>
</tr>
<tr>
<td>NDSL</td>
<td>Complies</td>
</tr>
<tr>
<td>EINECS</td>
<td>Complies</td>
</tr>
<tr>
<td>ELINCS</td>
<td>Complies</td>
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<tr>
<td>ENCS</td>
<td>Complies</td>
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<td>IECSC</td>
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<td>KECL</td>
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<td>PICCS</td>
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<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**  
*Sara Title III (EPCRA) NOTIFICATION:* Does not contain chemicals subject of the reporting requirements of Section 302, 304, or 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986.  
**COMPREHENSIVE ENVIRONMENT RESPONSE, COMPENSATION, AND LIABILITY ACT (CERLA) NOTIFICATION:** This does not contain chemical subject to reporting under CERCLA. For more information consult 40 CFR parts 302, 355, 370, 372, and 40 CFR part 68.

#### SARA 311/312 Hazard Categories

<table>
<thead>
<tr>
<th>Hazard Category</th>
<th>Regulation Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute Health Hazard</td>
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</tr>
<tr>
<td>Chronic Health Hazard</td>
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</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
30-Sep-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