Section 1. Chemical Product and Company Identification

Product name: ZEP AIR FAIR LEMON CONCENTRATE

Product Use: Concentrated Odor Counteractant

Product Code: F183

Date of issue: 05/23/05

Supersedes: 02/22/00

Emergency Telephone Numbers:

Acuity Specialty Products Group, Inc.

Prepared by: Compliance Services 1-877-I-BUY-ZEP

Section 2. Composition, Information on Ingredients

<table>
<thead>
<tr>
<th>Name of Hazardous Ingredients</th>
<th>CAS #</th>
<th>% by Weight</th>
<th>Exposure Limits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ETHANOL; ethyl alcohol; grain alcohol</td>
<td>64-17-5</td>
<td>15 - 25</td>
<td>ACGIH TLV / OSHA PEL (United States), TWA: 1000 ppm 8 hour(s).</td>
</tr>
<tr>
<td>NONYLPHENOXY POLY(ETHYLENEOXY) ETHANOL - npe; poly (oxy-1,2-ethanediyl, alpha-(nonylphenyl)-omega-hydroxy</td>
<td>9016-45-9</td>
<td>15 - 25</td>
<td>Not established</td>
</tr>
<tr>
<td>PROPRIETARY FRAGRANCE</td>
<td>Proprietary</td>
<td>15 - 25</td>
<td>Not established</td>
</tr>
<tr>
<td>DIMETHYLBENZYL AMMONIUM CHLORIDES; blend of alkyl dimethylbenzyl ammonium chlorides, alkyl dimethyl ethylbenzyl ammonium chlorides, and ethanol</td>
<td>68391-01-5; 68956-79-6; 64-17-5</td>
<td>&lt;5</td>
<td>ACGIH TLV (United States), TWA: 1000 ppm 8 hour(s).</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>OSHA PEL (United States), TWA: 1900 mg/m³ 8 hour(s).</td>
</tr>
</tbody>
</table>

Section 3. Hazards Identification

Acute Effects Routes of Entry

Skin: Inhalation.

Skin: Hazardous in case of skin contact (irritant, sensitizer). Prolonged or repeated contact may dry skin and cause irritation. May cause allergic reactions to certain individuals.

Eyes: Hazardous in case of eye contact (irritant). Liquid in eye may cause irritation with possible damage if not rinsed immediately.

Inhalation: Over-exposure by inhalation may cause respiratory irritation. Exposure to high concentrations can cause dizziness, lightheadness, headache, nausea, and blurred vision. Medical Conditions Aggravated by Overexposure: Respiratory

Ingestion: Aspiration hazard if swallowed- can enter lungs and cause damage.

NOTE: MSDS data pertains to the product as delivered in the original shipping container(s). Risk of adverse health effects are lessened by following all prescribed safety precautions, including use of proper personal protective equipment.

Carcinogenic Effects: Ingredients: Not listed as carcinogen by OSHA, NTP or IARC.

Chronic Effects: Defatting to the skin. Prolonged or repeated contact may dry skin and cause irritation.

Section 4. First Aid Measures

Eye Contact: Flush with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical attention immediately.

Skin Contact: Wash affected area with soap or mild detergent and water. Get medical attention if irritation develops.

Inhalation: If inhaled, remove to fresh air. If irritation persists, get medical attention.

Ingestion: Aspiration hazard if swallowed- can enter lungs and cause damage. Do NOT induce vomiting unless directed to do so by medical personnel. If vomiting occurs, keep head lower than hips to help prevent aspiration. Never give anything by mouth to an unconscious person. If affected person is conscious, give plenty of water to drink. Get medical attention immediately.

See Toxicological Information (section 11)
Section 5. Fire Fighting Measures
Flash Point: Closed cup: 27.2°C (81°F). Flammable Limits: LOWER: 2%  UPPER: 12%
Flammability: Flammable in presence of open flames, sparks and static discharge.
Fire Hazard: Flammable liquid and vapor. Vapor may cause flash fire.
Fire-Fighting Procedures: Use DRY chemicals, CO2, alcohol foam. Cool closed containers exposed to fire with water. Fire-fighters should wear proper protective equipment.

Section 6. Accidental Release Measures
Spill Clean up: Eliminate all ignition sources. Put on appropriate personal protective equipment (see Section 8). Dilute with water and mop up, or absorb with an inert dry material and place in an appropriate waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements.

Section 7. Handling and Storage
Handling: Keep away from sources of ignition. Avoid contact with eyes, skin and clothing. Avoid breathing vapors or spray mists. Wash contaminated clothing before reusing. Keep container closed.
Storage: Store and use away from heat, sparks, open flame, or any other ignition source. Keep container tightly closed in a cool, well-ventilated place. Store between 40°F - 120°F (4.4°C - 49°C). Keep out of the reach of children.

Section 8. Exposure Controls, Personal Protection
Personal Protection: Provide adequate ventilation. A respirator is not needed under normal and intended conditions of product use.
Protective Clothing (Pictograms):

Section 9. Physical and Chemical Properties
Physical State: Liquid. (Thin liquid)
PH: 8.0-9.0
Boiling Point: 85°C (185°F)
Specific Gravity: 0.95 (Water = 1)
Solubility: Easily soluble in cold water.
Color: Colorless.
Odor: Lemon (Strong.)
Vapor Pressure: Not determined.
Vapor Density: Not determined.
Evaporation Rate: 1 compared to Water
VOC (Consumer): 34.67% 2.74 lb/gal 328.8 g/l

Section 10. Stability and Reactivity
Stability and Reactivity: The product is stable.
Incompatibility: Avoid contact with strong oxidizers, excessive heat, sparks or open flame.
Hazardous Polymerization: Will not occur.
Hazardous Decomposition Products: Carbon Oxides (CO, CO2)

Section 11. Toxicological Information
Toxicity to Animals:
Ethanol:
ORAL (LD50): Acute: 7060 mg/kg [Rat].
Quaternary Ammonium Chlorides:
ORAL (LD50): Acute: 250 mg/kg [Rat].
Nonylphenoxypoly(Ethyleneoxy)Ethanol:
ORAL (LD50): Acute: 3310 mg/kg [Rat].
DERMAL (LD50): Acute: 2000 mg/kg [Rabbit].

Section 12. Ecological Information
Ecotoxicity: Not available.
Biodegradable/OECD: Not available.
Waste Stream: Code: - (Not applicable.)
Classification: - (Non-hazardous waste)

Section 13. Disposal Considerations
Waste Information: Waste must be disposed of in accordance with federal, state and local environmental control regulations.
Consult your local or regional authorities.
### Section 14. Transport Information

**Proper shipping name**: None.

**DOT Classification**: Not a DOT controlled material (United States).

**UN number**: Not regulated.

*NOTE: DOT classification applies to most package sizes. For specific container size classifications or for size exceptions, refer to the Bill of Lading with your shipment.*

### Section 15. Regulatory Information

**U.S. Federal Regulations**

SARA 313 toxic chemical notification and release reporting:

- No products were found.

Clean Water Act (CWA) 311: No products were found.

Clean air act (CAA) 112 regulated toxic substances: No products were found.

All Components of this product are listed or exempt from listing on TSCA inventory.

### Section 16. Other Information

To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein.

Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.