Section 1. Chemical Product and Company Identification

Product name: ZEP GLASS CLEANER
Product Use: Cleaner.
Product Code: 0019
Date of issue: 07/21/05
Supersedes: 12/13/04

Emergency Telephone Numbers

Prepared by: Compliance Services Group
Acuity Specialty Products Group
1420 Seaboard Industrial Blvd.
Atlanta, GA 30318

For MSDS Information:
Acuity Specialty Products Group, Inc.
Compliance Services 1-877-I-BUY-ZEP (428-9937)

For Medical Emergency
INFOTRAC:
(877) 541-2016 Toll Free - All Calls Recorded

For a Transportation Emergency
CHEMTREC:
(800) 424-9300 - All Calls Recorded
In the District of Columbia (202) 483-7616

Printing date: 07/21/05

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>ACETONE; dimethyl ketone</td>
<td>67-64-1</td>
<td>1 - 10</td>
<td>ACGIH TLV / OSHA PEL (United States). TWA: 750 ppm 8 hour(s). ACGIH / OSHA (United States). STEL: 1000 ppm 15 minute(s).</td>
</tr>
<tr>
<td>ETHANOL; ethyl alcohol; grain alcohol</td>
<td>64-17-5</td>
<td>1 - 10</td>
<td>ACGIH TLV / OSHA PEL (United States). TWA: 1000 ppm 8 hour(s).</td>
</tr>
<tr>
<td>HYDROCARBON PROPELLANT; blend of propane, isobutane &amp; n-butane</td>
<td>75-28-5; 74-98-6; 106-97-8</td>
<td>1 - 10</td>
<td>ACGIH TLV / OSHA PEL (United States). Notes: Propane TWA: 1000 ppm 8 hour(s). OSHA PEL / ACGIH TLV (United States). Notes: n-Butane TWA: 800 ppm 8 hour(s).</td>
</tr>
<tr>
<td>ISOPROPYL ALCOHOL; ipa; dimethylcarbinol; 2-propanol</td>
<td>67-63-0</td>
<td>1 - 5</td>
<td>ACGIH TLV (United States). TWA: 200 ppm 8 hour(s). OSHA PEL (United States). TWA: 400 ppm 8 hour(s). ACGIH/OSHA (United States). STEL: 400 ppm 15 minute(s).</td>
</tr>
</tbody>
</table>

Section 3. Hazards Identification

Acute Effects

Eye contact. Inhalation.

Skin Hazardous in case of skin contact (irritant). May cause slight transient irritation.

Eyes Hazardous in case of eye contact (irritant). Liquid in eye may cause irritation with possible damage if not rinsed immediately. Inflammation of the eye is characterized by redness, watering, and itching.


Ingestion May be harmful if swallowed. Can cause gastrointestinal disturbances.

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

Can cause central nervous system depression. Symptoms and signs include headaches, dizziness, fatigue, muscular weakness, drowsiness and, in extreme cases, loss of consciousness. The substance may be toxic to kidneys, liver. Repeated or prolonged exposure to the substance can produce target organs damage. Prolonged or repeated contact may dry skin and cause irritation.

See Toxicological Information (section 11)
Section 4. First Aid Measures

**Eye Contact**  Check for and remove any contact lenses. Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. Get medical attention immediately.

**Skin Contact**  In case of contact, immediately flush skin with plenty of water. Get medical attention if irritation develops.

**Inhalation**  If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

**Ingestion**  Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If affected person is conscious, give plenty of water to drink. Get medical attention immediately.

Section 5. Fire Fighting Measures

**Flash Point**  Not determined.  **Flammable Limits**  Not determined.

**Flammability**  Not considered to be flammable. (CSMA)

**Fire Hazard**  CONTENTS UNDER PRESSURE. Container explosion may occur under fire conditions or when heated. Cool closed containers exposed to fire with water.

**Fire-Fighting Procedures**  Use DRY chemicals, CO₂, water spray or foam. Wear special protective clothing and positive pressure, self-contained breathing apparatus.

Section 6. Accidental Release Measures

**Spill Clean up**  Large spills are unlikely due to packaging.

Section 7. Handling and Storage

**Handling**  Avoid contact with eyes. Avoid prolonged or repeated contact with skin. Avoid breathing vapors or spray mists. Use with adequate ventilation. Wash contaminated clothing before reusing. Wash thoroughly after handling.

**Storage**  CONTENTS UNDER PRESSURE. Do not puncture or incinerate. Keep away from heat and direct sunlight. Keep container in a cool, well-ventilated area. Store below 120°F. Keep out of the reach of children.

Avoid contact with eyes. Avoid prolonged or repeated contact with skin. Avoid breathing vapors or spray mists. Use with adequate ventilation. Wash contaminated clothing before reusing. Wash thoroughly after handling.

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**Respiratory**  Use with adequate ventilation. Good general ventilation should be sufficient to control airborne levels.

Section 8. Exposure Controls, Personal Protection

**Personal Protection**

**Eyes**  Safety glasses.

**Body**  For prolonged or repeated handling, use gloves. Recommended: Rubber gloves. Nitrile gloves. Neoprene gloves.

**Respiratory**  Use with adequate ventilation. Good general ventilation should be sufficient to control airborne levels.

Section 9. Physical and Chemical Properties

**Physical State**  Liquid. (Foam. Hazy liquid.)

**pH**  Not determined.

**Boiling Point**  96.1°C (205°F)

**Specific Gravity**  0.98 (Water = 1)

**Solubility**  Easily soluble in cold water.

**Color**  Colorless.

**Odor**  Pleasant.

**Vapor Pressure**  Not determined.

**Vapor Density**  Not determined.

**Evaporation Rate**  1 compared to Water

**VOC (Consumer)**  116.47 (g/l). 0.97 lbs/gal 11.93%

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 Dioxide, Carbon Monoxide and other Organic chemicals..

Section 11. Toxicological Information

**Toxicity to Animals**

**Acetone**:  ORAL (LD50): Acute: 9750 mg/kg [Mouse.].

**DERMAL (LD50): Acute: 20000 mg/kg [Rabbit.].

**VAPOR (LC50): Acute: 16000 ppm 4 hour(s) [Rat].

**Ethanol**:  ORAL (LD50): Acute: 7060 mg/kg [Rat].

**Isopropyl Alcohol**:  ORAL (LD50): Acute: 4700 mg/kg [Rat].

**DERMAL (LD50): Acute: 13000 mg/kg [Rabbit].

**VAPOR (LC50): Acute: 22500 ppm 8 hour(s) [Rat (Male)]. 19000 ppm 8 hour(s) [Rat (Female)].
Section 12. Ecological Information

Ecotoxicity
Not available.

Biodegradable/OECD
Not available.

Section 13. Disposal Considerations

Waste
Waste must be disposed of in accordance with federal, state and local environmental control regulations.

Waste Stream
Non-hazardous waste

Section 14. Transport Information

Proper shipping name
Consumer Commodity

DOT Classification
ORM-D

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.