Material Safety Data Sheet

IDENTITY (As Used on Label and list)
Automatic Drip Coffeemaker Cleaner

Section I

Manufacturer's Name
Whink Products Company

Emergency Telephone Numbers
Transportation-Chemtrec: (800) 424-9300
Medical: (800) 229-5036

Address (Number, Street, City, and ZIP Code)
1901 15th Avenue
Eldora, IA 50627

Telephone Number for Information
(800) 247-5102

Date Prepared
06-27-00

Supersedes
1-25-99

Signature of Preparer (optional)

Section II — Hazardous Ingredients/Identity Information

<table>
<thead>
<tr>
<th>Hazardous Components (Specify Chemical Identity; Common Name(s))</th>
<th>CAS #</th>
<th>OSHA PEL</th>
<th>ACGIH TLV</th>
<th>Other Limits Recommended</th>
<th>% (optional)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hydroxyacetic Acid</td>
<td>79-14-1</td>
<td>Not est.</td>
<td>Not est.</td>
<td>Not est.</td>
<td>10.5</td>
</tr>
<tr>
<td>Sulfamic Acid</td>
<td>5329-14-6</td>
<td>Not est.</td>
<td>Not est.</td>
<td>Not est.</td>
<td>6.8</td>
</tr>
</tbody>
</table>

Section III — Physical/Chemical Characteristics

Boiling Point
> 200°F

Specific Gravity
1.071

Vapor Pressure (mm Hg)
Same as water

Melting Point
Not applicable

Vapor Density (AIR = 1)
Same as water

Evaporation Rate (Butyl Acetate = 1)
Slower than 1

Solubility in Water
Infinitely soluble

pH (1%)
2.0 – 2.5

Appearance and Odor
Clear, water thin, odorless liquid.

Section IV — Fire and Explosion Hazard Data

Flash Point (Method Used)
Non-flammable

Flammable Limits
Not applicable

LEL
—

UEL
—

Extinguishing Media

Product does not support combustion. Use extinguishing media suitable for surrounding fire.

Special Fire Fighting Procedure

Solutions are strongly acidic. Wear protective clothing including a NIOSH-approved self-contained breathing apparatus. Neutralize run-off from fire control with lime, soda ash, etc. to prevent pollution and corrosion of metals and formation of Hydrogen gas.

Unusual Fire and Explosion Hazards

May release sulfur dioxide, sulfur trioxide, and ammonia if involved in a fire. Contact with metals may produce flammable Hydrogen gas.
**Section V — Reactivity Data**

<table>
<thead>
<tr>
<th>Stability</th>
<th>Conditions to Avoid</th>
</tr>
</thead>
<tbody>
<tr>
<td>Unstable</td>
<td></td>
</tr>
<tr>
<td>Stable</td>
<td>X</td>
</tr>
</tbody>
</table>

**Incompatibility (Materials to Avoid)**

Hazardous reaction in aqueous solution may occur with chlorine, hypochlorous acid, hypochlorites, cyanides, or sulfides. Reacts with metals and oxidizing agents.

**Hazardous Decomposition or Byproducts**

Thermal decomposition releases sulfur dioxide, sulfur trioxide, and ammonia gases.

<table>
<thead>
<tr>
<th>Hazardous Polymerization</th>
<th>May Occur</th>
<th>Conditions to Avoid</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Will Not Occur</td>
<td>X</td>
<td></td>
</tr>
</tbody>
</table>

**Section VI — Health Hazard Data**

<table>
<thead>
<tr>
<th>Route(s) of Entry</th>
<th>Inhalation?</th>
<th>Skin?</th>
<th>Ingestion?</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
</tbody>
</table>

**Health Hazard (Acute and Chronic)**

Corrosive to skin and eyes. Exposure by inhalation or ingestion may cause corrosion of mucosal membranes.

**Carcinogenicity:**

NTP? No  IARC Monograph? No  OSHA Regulated? No

**Signs and Symptoms of Exposure**

Causes eye burns. Irritates or burns skin, nose and throat.

**Medical Conditions Generally Aggravated by Exposure**

Unknown

**Emergency and First Aid Procedures**

Eyes: Flush immediately with water for at least 15 minutes and call a physician.

Skin: Flush immediately with water for 15 minutes. Wash contaminated clothing before reuse.

Ingestion: Do not induce vomiting. Drink large quantities of water or milk. Call a physician.

**Section VII — Precautions for Safe Handling and Use**

**Steps to Be Taken in Case Material Is Released or Spilled**

Neutralize with lime or soda ash. Clean up spillage and flush area with large quantities of water.

**Waste Disposal Method**

In accordance with federal, state, and local regulations.

**Precautions to Be Taken in Handling and Storing**

Keep in a well-ventilated area away from other materials.

**Other Precautions**

None

**Section VIII — Control Measures**

**Respiratory Protection (Specify Type)**

None

<table>
<thead>
<tr>
<th>Ventilation</th>
<th>Local Exhaust</th>
<th>Recommended</th>
<th>Special</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>Mechanical (General)</td>
<td>Other</td>
</tr>
</tbody>
</table>

**Protective Gloves**

Acid resistant rubber gloves  Eye Protection

**Other Protective Clothing or Equipment**

Safety goggles

**Acid suit if there is possibility of contact with large quantities.**

**Work/Hygienic Practices**

Always wash hands with soap and water after handling.