Material Safety Data Sheet and Safe Handling and Disposal Information

Section 1. Chemical Product and Company Identification

Product name: Multi-Purpose Cleaner & Degreaser Concentrate
Product Code: HDAP128, CNAP128
Date of issue: 12/13/04
Supersedes: 03/20/02

Emergency Telephone Numbers
For MSDS Information:
Compliance Services (404) 352-1680

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

For a Transportation Emergency:
CHEMTREC
(800) 424-9300 (Toll Free - Calls Recorded)

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

Printing Date: 12/13/04

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>ETHYLENE GLYCOL MONOBUTYL ETHER; 2-butoxyethanol; butyl cellosolve</td>
<td>111-76-2</td>
<td>1 - 5</td>
<td>ACGIH TLV (United States), TWA: 20 ppm 8 hour(s). OSHA PEL (United States). Skin TWA: 50 ppm 8 hour(s).</td>
</tr>
<tr>
<td>DIPROPYLENE GLYCOL N-BUTYL ETHER; 1-(2-butoxy-1-methoxy)-2-propanol; glycol ether dpnb TETRASODIUM ETHYLENEDIAMINE TETRAACETATE; ethylenediamine tetracetic acid; tetrassium salt</td>
<td>29911-28-2</td>
<td>1 - 5</td>
<td>Not established</td>
</tr>
<tr>
<td>TETRASODIUM ETHYLENEDIAMINE TETRAACETATE; ethylenediamine tetracetic acid; tetrassium salt</td>
<td>64-02-8</td>
<td>1 - 5</td>
<td>Not established</td>
</tr>
</tbody>
</table>

Section 3. Hazards Identification

Acute Effects Routes of Entry
Skin Dermal contact. Eye contact. Inhalation.

Eyes Hazardous in case of skin contact (irritant, permeator). Harmful if absorbed through the skin. Direct contact may cause irritation and redness. Inflammation of the eye is characterized by redness, watering, and itching.

Inhalation Hazardous in case of inhalation. Avoid breathing vapors or spray mists. Over-exposure by inhalation may cause respiratory irritation. Can cause central nervous system depression.

Ingestion Harmful if swallowed.

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

Chronic Effects
The substance may be toxic to blood, kidneys, liver, upper respiratory tract, skin, eyes, central nervous system (CNS). Inhalation or absorption of spray mists or vapors may cause central nervous system depression characterized by headache, dizziness, nausea, stupor, weakness and/or numbness and tingling in the extremities (medical term - peripheral neuropathy). Repeated or prolonged exposure to the substance can produce target organs damage.

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.

**Skin Contact**  
In case of contact, immediately flush skin with plenty of water. Remove contaminated clothing and shoes. Wash clothing before reuse. 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. Get medical attention immediately.

**Section 5. Fire Fighting Measures**

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Flash Point</strong></td>
<td>Closed cup: 70.55°C (159°F)</td>
</tr>
<tr>
<td><strong>Flammable Limits</strong></td>
<td>Not applicable.</td>
</tr>
<tr>
<td><strong>Vapor Pressure</strong></td>
<td>Not determined.</td>
</tr>
<tr>
<td><strong>Vapor Density</strong></td>
<td>Not determined.</td>
</tr>
<tr>
<td><strong>Odor</strong></td>
<td>Glycol. (Slight.)</td>
</tr>
<tr>
<td><strong>Color</strong></td>
<td>Purple.</td>
</tr>
<tr>
<td><strong>VOC (Consumer)</strong></td>
<td>52.91 (g/l). 0.44 lbs/gal</td>
</tr>
</tbody>
</table>

Use an extinguishing agent suitable for surrounding fires. Fire-fighters should wear proper protective equipment.

**Section 6. Accidental Release Measures**

**Spill Clean up**  
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**  
Avoid contact with eyes, skin and clothing. Do not ingest. Avoid breathing vapors or spray mists. Use only with adequate ventilation. Wash thoroughly after handling. Do not reuse product container.

**Storage**  
Keep container tightly closed. Keep container in a cool, well-ventilated area. Keep out of the reach of children.

**Section 8. Exposure Controls, Personal Protection**

**Personal Protection**  

<table>
<thead>
<tr>
<th>Protection</th>
<th>Equipment</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Eyes</strong></td>
<td>Safety glasses.</td>
</tr>
<tr>
<td><strong>Body</strong></td>
<td>Gloves. Recommended: Rubber gloves, Neoprene gloves, Nitrile gloves.</td>
</tr>
<tr>
<td><strong>Respiratory</strong></td>
<td>A respirator is not needed under normal and intended conditions of product use.</td>
</tr>
</tbody>
</table>

**Section 9. Physical and Chemical Properties**

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Physical State</strong></td>
<td>Liquid.</td>
</tr>
<tr>
<td><strong>pH</strong></td>
<td>12.5 - 13.0</td>
</tr>
<tr>
<td><strong>Boiling Point</strong></td>
<td>100°C (212°F)</td>
</tr>
<tr>
<td><strong>Specific Gravity</strong></td>
<td>1.06 (Water = 1)</td>
</tr>
<tr>
<td><strong>Solubility</strong></td>
<td>Easily soluble in cold water, hot water.</td>
</tr>
</tbody>
</table>

**Color** Purple.  
**Odor** Glycol. (Slight.)

**Vapor Pressure** Not determined.  
**Vapor Density** Not determined.

**Evaporation Rate** >1 compared to Butyl acetate.

**VOC (Consumer)** 52.91 (g/l). 0.44 lbs/gal 5.00%

**Section 10. Stability and Reactivity**

**Stability and Reactivity**  
The product is stable.

**Incompatibility**  
Slightly reactive to reactive with oxidizing agents, acids.

**Hazardous Polymerization**  
Will not occur.

**Hazardous Decomposition Products**  
carbon oxides (CO, CO₂)

**Section 11. Toxicological Information**

**Toxicity to Animals**

<table>
<thead>
<tr>
<th>Hazard</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Ethylene Glycol Monobutyl Ether:</strong></td>
<td></td>
</tr>
<tr>
<td>ORAL (LD50):</td>
<td>Acute: 1746 mg/kg [Rat].</td>
</tr>
<tr>
<td>DERMAL (LD50):</td>
<td>Acute: 680 mg/kg [Rabbit].</td>
</tr>
<tr>
<td>VAPOR (LC50):</td>
<td>Acute: 450 ppm 4 hour(s) [Rat (Female)].</td>
</tr>
</tbody>
</table>

**Tetrasodium Ethylenediamine Tetraacetate:**

<table>
<thead>
<tr>
<th>Hazard</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>ORAL (LD50):</td>
<td>Acute: 4100 mg/kg [Rat].</td>
</tr>
</tbody>
</table>

**Section 12. Ecological Information**

**Ecotoxicity** Not available.

**Biodegradable/OECD** Not available.
Section 13. Disposal Considerations

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

**Waste Stream**
- Code: D002
- Classification: Hazardous (Corrosivity)
- Origin: RCRA

Consult your local or regional authorities.

Section 14. Transport Information

**Proper shipping name**
Not applicable.

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

**UN number**
Not applicable.

**TDG Classification**
Not a TDG controlled material.

Section 15. Regulatory Information

**U.S. Federal Regulations**
- SARA 313 toxic chemical notification and release reporting:
  - Ethylene Glycol Monobutyl Ether
  - Clean Water Act (CWA) 311: No products were found.
  - Clean air act (CAA) 112 regulated toxic substances: Ethylene Glycol Monobutyl Ether

**State Regulations**
California prop. 65: No products were found.

**WHMIS (Canada)**
- Class B-3: Combustible liquid with a flash point between 37.8°C (100°F) and 93.3°C (200°F).
- Class D-1B: Material causing immediate and serious toxic effects (TOXIC).
- Class D-2B: Material causing other toxic effects (TOXIC).
- Class E: Corrosive liquid.

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.