Material Safety Data Sheet
#41 Glass Advantage

1. Product and company identification

<table>
<thead>
<tr>
<th>Product name</th>
<th>#41 Glass Advantage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Code</td>
<td>2741SC</td>
</tr>
<tr>
<td>Material uses</td>
<td>Concentrated glass cleaner</td>
</tr>
<tr>
<td>Manufacturer</td>
<td>Essential Industries, Inc.</td>
</tr>
</tbody>
</table>

In case of emergency: 1-800-843-6174
Validation date: 8/16/2010.
Print date: 8/16/2010.

2. Hazards identification

Emergency overview: CAUTION!

Potential acute health effects due to overexposure
- Inhalation: No known significant effects or critical hazards.
- Ingestion: May be harmful if swallowed.
- Skin: No known significant effects or critical hazards.
- Eyes: No known significant effects or critical hazards.

Potential chronic health effects due to overexposure
- Carcinogenicity: No known significant effects or critical hazards.
- Mutagenicity: No known significant effects or critical hazards.
- Teratogenicity: No known significant effects or critical hazards.
- Developmental effects: No known significant effects or critical hazards.
- Fertility effects: No known significant effects or critical hazards.

See toxicological information (section 8)

3. Composition/information on ingredients

<table>
<thead>
<tr>
<th>Name</th>
<th>CAS number</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium lauryl ether sulfate</td>
<td>9004-82-4</td>
<td>1 - 5</td>
</tr>
</tbody>
</table>

4. First aid measures

- **Eye contact:** Check for and remove any contact lenses. Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical attention immediately.
- **Skin contact:** In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse. Clean shoes thoroughly before reuse.
- **Inhalation:** Move exposed person to fresh air. Loosen tight clothing such as a collar, tie, belt or waistband.
- **Ingestion:** Wash out mouth with water. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention immediately.
- **Protection of first-aiders:** No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.
- **Notes to physician:** No specific treatment. Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

5. Fire-fighting measures

- **Flammability of the product:** In a fire or if heated, a pressure increase will occur and the container may burst.
- **Extinguishing media:** Use an extinguishing agent suitable for the surrounding fire.
- **Suitable:** Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
- **Special exposure hazards:** No action shall be taken involving any personal risk or without suitable training.
- **Hazardous thermal decomposition products:** Decomposition products may include the following materials:
  - carbon dioxide
  - carbon monoxide
  - sulfur oxides
  - metal oxide/oxides
5. Fire-fighting measures

Special protective equipment for fire-fighters
Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.  

Flash point
Closed cup: >93.3°C (>199.9°F)

6. Control and preventive measures

Storage
Store in accordance with local regulations. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

Personal protection

Respiratory
None required. However, use of adequate ventilation is good industrial practice.

Hands
Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.

Skin
Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Eyes
Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists or dusts.

Methods for cleaning up

Small spill
Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

Waste disposal
Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements.

7. Physical and chemical properties

<table>
<thead>
<tr>
<th>Physical state</th>
<th>Liquid</th>
<th>Boiling/condensation point</th>
<th>100°C (212°F)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Color</td>
<td>Blue [Dark][dye added]</td>
<td>Melting/freezing point</td>
<td>0°C (32°F)</td>
</tr>
<tr>
<td>Odor</td>
<td>Bland (No fragrance added)</td>
<td>Vapor pressure</td>
<td>&lt;4 kPa (&lt;30 mm Hg)</td>
</tr>
<tr>
<td>VOC</td>
<td>1.2%</td>
<td>Vapor density</td>
<td>&lt;1 [Air = 1]</td>
</tr>
<tr>
<td>pH</td>
<td>10.5 to 11.5</td>
<td>Use Dilution pH</td>
<td>8.6</td>
</tr>
</tbody>
</table>

8. Toxicological information

Acute toxicity

<table>
<thead>
<tr>
<th>Product/ingredient name</th>
<th>Result</th>
<th>Species</th>
<th>Dose</th>
<th>Exposure</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium lauryl ether sulfate</td>
<td>LD50 Oral</td>
<td>Rat</td>
<td>1600 mg/kg</td>
<td>-</td>
</tr>
</tbody>
</table>

Conclusion/Summary
Not available

Chronic toxicity

Conclusion/Summary
Not available

9. Transport information

<table>
<thead>
<tr>
<th>Regulatory information</th>
<th>UN number</th>
<th>Proper shipping name</th>
<th>Classes</th>
<th>PG*</th>
<th>Label</th>
<th>Additional information</th>
</tr>
</thead>
<tbody>
<tr>
<td>DOT Classification</td>
<td>Not regulated</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>

PG* : Packing group