# Material Safety Data Sheet

**Section I - Product Information/Preparation Information**

- **Identity:** Foaming Awning Cleaner  
- **Product Use:** Maintenance  
- **Manufacturer’s Name:** Thetford Corporation  
- **Emergency Telephone Number:** (734) 769-6000; (800) 424-9300 (CHEMTREC-24 hours)  
- **Address:** 7101 Jackson Road Ann Arbor, MI 48103  
- **Telephone Number for Information:** (734) 769-6000  
- **Date Prepared:** 26-Jan-09  
- **Prepared By:** Janis M. Thomson  

**Section II - Hazardous Ingredients/Identity Information**

<table>
<thead>
<tr>
<th>Hazardous Components</th>
<th>CAS #</th>
<th>OSHA PEL</th>
<th>ACGIH</th>
<th>Other Limits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Alkyl Polyglycoside Surfactant</td>
<td>NA - Mixture</td>
<td></td>
<td></td>
<td>None established</td>
</tr>
</tbody>
</table>

**Section III - Hazards Identification and Toxological Information**

**Emergency Overview:**

- **Warning:** Causes eye irritation.

- **Route(s) of Entry:**
  - **Inhalation:** Not an inhalation hazard.
  - **Skin Contact:** Not a skin irritant.
  - **Eye contact:** Causes irritation.
  - **Ingestion:** Non toxic if ingested.

- **Chronic effects:**
  - **Carcinogenicity:** Not carcinogenic.
  - **Teratogenicity:** Not teratogenic.
  - **Mutagenicity:** Not mutagenic.

- **Sensitization to Material:** None known

- **Synergistic materials:** None known

- **Toxological Information:**
  - Surfactant
  - **LD_{50} (oral, rat):** >5 g/kg
  - **LD_{50} (dermal, rabbit):** >2 g/kg
  - **LC_{50}:** Not available

**Section IV - First Aid Procedures:**

- **Inhalation:** Not applicable.

- **Ingestion:** Do not induce vomiting. Drink 2 glasses of water. Contact a physician.

- **Skin:** Flush contacted area with large amounts of water. Wash with soap and water. If irritation persists, get medical attention.

- **Eyes:** Flush contacted area with lots of water. Irrigate eyes for a minimum of 15 minutes. Get medical attention immediately.

**Section V - Fire and Explosion Hazard Data**

<table>
<thead>
<tr>
<th>Flash Point (Method used)</th>
<th>Flammable Limits by Volume</th>
<th>LEL</th>
<th>UEL</th>
</tr>
</thead>
<tbody>
<tr>
<td>&gt;200°F (&gt;93°C) (RTCC)</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
</tr>
</tbody>
</table>

- **Extinguishing Media:** Water, dry chemical, carbon dioxide or foam

- **Hazardous Combustion Products:** Oxides of carbon, oxides of sulfur and nitrogen

- **Special Fire fighting Procedures:** Cool fire-exposed containers with water.

- **Auto-ignition Temperature:** Not available

- **Sensitivity to Static Discharge:** No data available

- **Unusual Fire and Explosion Hazards:** None

- **Conditions of Flammability:** Not flammable

- **Explosion Data:** Sensitivity to Mechanical Impact

- **Sensitivity to Mechanical Impact:** No data available
Section VI - Personal Protective Equipment
Respiratory Protection:  
Not required.

Engineering Controls:  
Maintain adequate ventilation.

Protective Gloves:  
Rubber or neoprene gloves  
Eye Protection:  
Safety glasses or goggles.

Other Protective Clothing or Equipment:  
Protective clothing to avoid skin contact. Eyewash station and safety shower.

Work/Hygienic Practices
Avoid unnecessary contact. Wash thoroughly after handling especially before eating, drinking or smoking.

Section VII - Accidental Release Measures/Preventative Measures
Steps to be Taken in Case Material is Released or Spilled:
Eliminate sources of ignition. Clean up small spills with water. Soak up larger spills with absorbent material. Place used absorbent in closed container for disposal. Mop the area with clean, cold water.

Waste Disposal Method
Dispose of in accordance with federal, state and local regulations.

Precautions to be Taken in Handling and Storing
Do not store above 100°F (38°C). Do not freeze.

Other Precautions
Spilled material may be slippery. Do not get liquid in eyes or on skin. Wash thoroughly after handling.

Section VIII - Physical/Chemical Characteristics

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
<th>Physical State</th>
</tr>
</thead>
<tbody>
<tr>
<td>Boiling Point (°F/°C)</td>
<td>210 (99)</td>
<td>Liquid</td>
</tr>
<tr>
<td>Specific Gravity (H2O = 1)</td>
<td>1.016</td>
<td></td>
</tr>
<tr>
<td>Vapor Pressure (mm Hg)</td>
<td>Not determined</td>
<td></td>
</tr>
<tr>
<td>Melting Point</td>
<td>NA</td>
<td></td>
</tr>
<tr>
<td>Vapor Density (AIR = 1)</td>
<td>Not determined</td>
<td></td>
</tr>
<tr>
<td>Evaporation Rate (Butyl Acetate = 1)</td>
<td>Not available</td>
<td></td>
</tr>
<tr>
<td>Freezing Point</td>
<td>32°F (0°C)</td>
<td></td>
</tr>
<tr>
<td>Solubility in Water</td>
<td>Complete</td>
<td></td>
</tr>
<tr>
<td>pH</td>
<td>10.5 - 11.5</td>
<td></td>
</tr>
</tbody>
</table>

Appearance and Odor
Clear, colorless liquid a detergent scent

Section IX - Reactivity Hazards

<table>
<thead>
<tr>
<th>Stability</th>
<th>Hazardous Polymerization</th>
<th>May Occur</th>
<th>Will Not Occur</th>
</tr>
</thead>
<tbody>
<tr>
<td>X Stable</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Unstable</td>
<td></td>
<td>X</td>
<td></td>
</tr>
</tbody>
</table>

Incompatibility (Materials to Avoid)
Strong acids, bases and oxidizing agents

Hazardous Decomposition or Byproducts
Thermal decomposition may produce carbon monoxide, carbon dioxide, nitrogen, and oxides of sulfur

Conditions to Avoid
Elevated temperatures

Section XI - Shipping Information

Transportation Status:  
US DOT: Not Regulated  
Proper Shipping Name:  
Class: NA  
NA

For other modes of transportation, consult the individual regulations (IATA, IMDG) for shipping information.