# Material Safety Data Sheet

## Section I - Product Information/Preparation Information

<table>
<thead>
<tr>
<th>Identity:</th>
<th>Bilge Cleaner</th>
</tr>
</thead>
<tbody>
<tr>
<td>Product Use:</td>
<td>Bilge Tank Cleaner and Deodorant</td>
</tr>
<tr>
<td>Manufacturer’s Name:</td>
<td>Thetford Corporation</td>
</tr>
<tr>
<td>Emergency Telephone Number:</td>
<td>(734) 769-6000; (800) 424-9300 (CHEMTREC-24 hours)</td>
</tr>
<tr>
<td>Address:</td>
<td>7101 Jackson Road, Ann Arbor, MI 48103</td>
</tr>
<tr>
<td>Telephone Number for Information:</td>
<td>(734) 769-6000</td>
</tr>
<tr>
<td>Date Prepared:</td>
<td>26-Jan-09</td>
</tr>
<tr>
<td>Prepared By:</td>
<td>Janis M. Thomson</td>
</tr>
</tbody>
</table>

## Section II - Hazardous Ingredients/Identity Information

<table>
<thead>
<tr>
<th>Ethoxylated Alcohol</th>
<th>CAS #: 68439-46-3</th>
<th>OSHA PEL</th>
<th>ACGIH</th>
<th>Other Limits</th>
</tr>
</thead>
</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:

| Sensitization to Material: | None known |

### Synergistic materials:

| Synergistic materials: | None known |

### Toxological Information:

<table>
<thead>
<tr>
<th>Alcohol Ethoxylate</th>
<th>LD₅₀: 1.4 - 7.6 g/kg (oral, rat)</th>
<th>LC₅₀:</th>
</tr>
</thead>
</table>

## 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>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
</tbody>
</table>

### Extinguishing Media:

- Water, dry chemical, carbon dioxide or foam

### Hazardous Combustion Products:

- Oxides of carbon and nitrogen

### Special Fire-fighting Procedures:

- None

### 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:
  - No data available
### Section VI - Personal Protective Equipment

**Respiratory Protection:**
- Not required.

**Engineering Controls:**
- Maintain adequate ventilation.

**Protective Gloves:**
- Rubber 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).

**Other Precautions**
- Spilled material may be slippery. Do not get liquid in eyes. Wash thoroughly after handling.

### Section VIII - Physical/Chemical Characteristics

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Boiling Point</td>
<td>210°F (99°C)</td>
</tr>
<tr>
<td>Specif. Gravity (H2O = 1)</td>
<td>1.015</td>
</tr>
<tr>
<td>Physical State</td>
<td>Liquid</td>
</tr>
<tr>
<td>Vapor Pressure (mm Hg)</td>
<td>Not determined</td>
</tr>
<tr>
<td>Melting Point</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Odor Threshold</td>
<td>Not determined</td>
</tr>
<tr>
<td>Vapor Density (AIR = 1)</td>
<td>Not determined</td>
</tr>
<tr>
<td>Evaporation Rate (Butyl Acetate = 1)</td>
<td>Similar to water &gt; 1</td>
</tr>
<tr>
<td>Freezing Point</td>
<td>32°F (0°C)</td>
</tr>
<tr>
<td>Solubility in Water</td>
<td>Complete</td>
</tr>
<tr>
<td>pH</td>
<td>10.5 - 11.5</td>
</tr>
<tr>
<td>Coeff. Water/Oil Dest.</td>
<td>Not determined</td>
</tr>
</tbody>
</table>

**Appearance and Odor**
- Clear, colorless liquid with a mild odor

### Section IX - Reactivity Hazards

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

**Incompatibility (Materials to Avoid)**
- Strong oxidizing agents and strong acids.

**Hazardous Decomposition or Byproducts**
- Carbon monoxide and carbon dioxide

**Conditions to Avoid**
- Elevated temperatures

### Section XI - Shipping Information

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

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