Section 1. Identification

Product Identifier: Aqua-Foam
Product Use: Toilet Bowl Cleaner
Manufacturer: Thetford Corporation
7101 Jackson Road
Ann Arbor, MI  48103
Emergency Numbers: (734) 769-6000
(800) 424-9300 (CHEMTREC - 24 hours)

Section 2. Hazards Identification

Classification: Eye Damage/Irritation - Category 2
Reproductive Toxicity - Category 2
Combustible Dust

Signal Word: Warning

Hazard Statements: Causes serious eye irritation. Suspected of damaging fertility or the unborn child. May form combustible dust concentrations in air.

Precautionary Statements:

Prevention: Wash hands thoroughly after handling. Wear eye protection and protective gloves. Obtain special instruction before use. Do not handle until all safety precautions have been read and understood.

Response: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention. IF EXPOSED OR CONCERNED: Get medical advice/attention.

Storage: Store locked up.

Disposal: Dispose of contents and container in accordance with all local regulations.

Section 3. Composition/Information on Ingredients

Mixture of the following ingredients with non hazardous additions.

<table>
<thead>
<tr>
<th>Ingredient Name</th>
<th>Wt%</th>
<th>CAS Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Citric Acid</td>
<td>27.75</td>
<td>77-92-9</td>
</tr>
<tr>
<td>Borax Decahydrate</td>
<td>2</td>
<td>1303-96-4</td>
</tr>
<tr>
<td>Glycol Ether PnB</td>
<td>3</td>
<td>5131-66-8</td>
</tr>
<tr>
<td>Alkylbenzene Sulfonate</td>
<td>1.5</td>
<td>25155-30-0</td>
</tr>
<tr>
<td>Sodium Carbonate</td>
<td>15</td>
<td>497-19-8</td>
</tr>
</tbody>
</table>

Section 4. First Aid Measures

First Aid Measures

Inhalation: Not applicable.
Skin Contact: Flush contacted area with large amounts of water. Wash with soap and water. Wash clothes before reuse.
Eye Contact: Flush contacted area with large amounts of water. Irrigate eyes for a minimum of 15 minutes. Get medical attention immediately.
Ingestion: Do not induce vomiting. Drink large amounts of water. Contact a physician.

Potential Acute Health Effects

Inhalation: May give off dust that is irritating to the respiratory system.
Skin Contact: Not a skin irritant.
Eye Contact: Causes serious eye irritation
Ingestion: Nontoxic if ingested
Potential Chronic Health Effects: None known

Section 5. Fire-Fighting Measures

Extinguishing Media: Water, dry chemical, carbon dioxide or foam
Specific hazards arising from the chemical: None known
Hazardous thermal decomposition products: Oxides of carbon, oxides of sodium
Special protective actions for fire-fighters: None
Special protective equipment for fire-fighters: None

Section 6. Accidental Release Measures

Personal precautions, protective equipment and emergency procedures
Minimize dusting and prevent distribution of airborne dust. Sweep up and collect in suitable containers. Mop area with clean, clear water.

Method and materials for containment and clean up
Use spark-proof tools and explosion-proof equipment. Dispose of in accordance with federal, state, and local regulations.

Section 7. Handling and Storage

Precautions for safe handling: Do not get in eyes or on skin. Do not inhale dust. Wash thoroughly after handling.
Conditions for safe storage: Do not store above 100°F (38°C). Separate from strong acids, strong bases, strong oxidizers, and powdered aluminum.

Section 8. Exposure Control/Personal Protection

Occupational Exposure Limits
Some ingredients treated by OSHA as “Particulate Not Otherwise Classified” (PNOR).
OSHA/PEL (total dust): 15 mg/m³
OSHA/PEL (respirable dust): 5 mg/m³

Appropriate Engineering Controls
Maintain adequate ventilation. Use local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.

Personal Protection
Respiratory Protection: Not required
Skin Protection: Rubber gloves
Eye/Face Protection: Safety glasses or goggles
Hygiene Measures: Wash hands thoroughly after handling especially before eating, drinking and smoking. Wash contaminated clothing before reuse. Have eyewash and safety shower available.

Section 9. Physical and Chemical Properties

Physical State: Solid, granules
Color: White
Odor: Fresh, clean scent
Odor Threshold: Not available
pH (10% solution): 7.5 - 9
Melting Point: Not available
Freezing Point: Not applicable
Upper/Lower Explosive Limits: Not available
Vapor Pressure: Not available
Vapor Density: Not available
Specific Gravity: Not applicable
bulk Density: 54 - 59 lb/cu ft
Solubility: Mostly soluble
Partition coefficient n-octanol/water: Not applicable

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**Boiling Point:** Not applicable

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

**Evaporation Rate:** Not available  **Decomposition Temperature:** Not available

**Flammability:** Not available  **Viscosity:** Not applicable

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### Section 10. Stability and Reactivity

**Reactivity:** Product releases carbon dioxide with the addition of water.

**Chemical Stability:** The product is stable.

**Possibility of Hazardous Reactions:** Under normal conditions of storage hazardous reactions will not occur. During use, product releases carbon dioxide with the addition of water.

**Conditions to Avoid:** Elevated temperatures


**Hazardous Decomposition Products:** Thermal decomposition may produce oxides of carbon and sodium.

---

### Section 11. Toxicological Information

**Information on the likely routes of exposure:** Dermal contact. Inhalation.

**Potential Acute Health Effects**

- **Inhalation:** May give off dust that is irritating to the respiratory system.
- **Skin Contact:** Not a skin irritant.
- **Eye Contact:** Causes eye irritation.
- **Ingestion:** Nontoxic if ingested.

**Symptoms Related to the Physical, Chemical and Toxicological Characteristics**

- **Inhalation:** Inhalation of dust may cause coughing.
- **Skin Contact:** Not a skin irritant.
- **Eye Contact:** Irritating with tearing.
- **Ingestion:** Nontoxic if ingested.

**Potential Chronic Health Effects**

**Short Term Exposure**

- Potential immediate effects: Not available

**Long Term Exposure**

- Potential delayed effects: Not available

**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.

**Information on Toxicological Effects**

**Acute Toxicity**

**Components:**

<table>
<thead>
<tr>
<th>Component</th>
<th>LD50 Oral</th>
<th>LD50 Dermal</th>
</tr>
</thead>
<tbody>
<tr>
<td>Citric Acid</td>
<td>11,700 mg/kg (rat)</td>
<td>&gt;2,000 mg/kg (rat)</td>
</tr>
<tr>
<td>Component</td>
<td>LD50 Oral</td>
<td>LD50 Dermal</td>
</tr>
<tr>
<td>---------------------------------</td>
<td>-----------</td>
<td>-------------</td>
</tr>
<tr>
<td>Borax Decahydrate</td>
<td></td>
<td>&gt;2,000 mg/kg (rabbit)</td>
</tr>
<tr>
<td></td>
<td>5,560 mg/kg (rat)</td>
<td>&gt;2 mg/L (rat)</td>
</tr>
<tr>
<td>Glycol Ether PnB</td>
<td></td>
<td>&gt;2,000 mg/kg (rabbit)</td>
</tr>
<tr>
<td></td>
<td>3,300 mg/kg (rat)</td>
<td></td>
</tr>
<tr>
<td>Alkylbenzene Sulfonate</td>
<td></td>
<td>&gt;2,000 mg/kg (rabbit)</td>
</tr>
<tr>
<td></td>
<td>1,080 - 1980 mg/kg (rat)</td>
<td></td>
</tr>
<tr>
<td>Sodium Carbonate</td>
<td></td>
<td>&gt;2,000 mg/kg (rabbit)</td>
</tr>
<tr>
<td></td>
<td>800 mg/m³ (guinea pig)</td>
<td></td>
</tr>
</tbody>
</table>

**Carcinogenicity:** Not recognized as carcinogenic by Research Agencies (IARC, NTP, OSHA, ACGIH).

**Mutagenicity:** No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.

**Reproductive Toxicity:** Borax in animal feeding studies in rat, mouse and dog, at high doses, have demonstrated effects on fertility and testes.

### Section 12. Ecological Information

#### Toxicity

**Components**

<table>
<thead>
<tr>
<th>Component</th>
<th>LC50 Fish</th>
<th>LC50 Daphnia Magna</th>
<th>LC50 Guppy</th>
<th>LC50 Water flea</th>
<th>EC50 Algae</th>
<th>EC50 Fish</th>
<th>EC50 Algae</th>
<th>EC50 Daphnia</th>
<th>EC50 Fish</th>
<th>EC50 Nitzschia</th>
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</thead>
<tbody>
<tr>
<td>Citric Acid</td>
<td>440 - 706 mg/l (DIN 38412 Part 15)</td>
<td>&gt;10.000 mg/l (DIN 38412 Part 5)</td>
<td></td>
<td></td>
<td>10 mg B/L (Selenastrum capricornutum)</td>
<td>80 mg B/L (Pimephales promelas)</td>
<td>5.7 mg B/L</td>
<td>29 mg/l 72 h</td>
<td>1.62 - 9.3 mg/l 48 h</td>
<td>3 mg/l 96 h</td>
</tr>
<tr>
<td>Borax Decahydrate</td>
<td>3,300 mg/kg (rat)</td>
<td>5,560 mg/kg (rat)</td>
<td>&gt;2,000 mg/kg (rabbit)</td>
<td>&gt;2,000 mg/kg (rabbit)</td>
<td>3 mg/l 96 h</td>
<td>2,800 mg/kg (rat)</td>
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<td>29 mg/l 72 h</td>
</tr>
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</table>

**Persistence and Degradability:** Organic ingredients are readily biodegradable

**Bioaccumulative Potential:** No bioaccumulation expected

**Mobility in Soil:** Not available

**Other Adverse Effects:** No known significant effects or critical hazards.

### Section 13. Disposal Considerations

**Disposal Methods:** The generation of waste should be avoided or minimized wherever possible. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Waste disposal should be in accordance with existing federal, state, and local regulations. Do not reuse empty container. Discard of empty container in trash.

### Section 14. Transport Information

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<th>UN Number:</th>
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<th>Hazard Class:</th>
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<tbody>
<tr>
<td>UN Proper Shipping Name:</td>
<td>Not applicable</td>
<td>Packing Group:</td>
<td>Not applicable</td>
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<tr>
<td>Environmental Hazard:</td>
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<td></td>
<td></td>
</tr>
</tbody>
</table>

### Section 15. Regulatory Information

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<tr>
<th>SARA 311/312:</th>
<th>Immediate acute health hazard</th>
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Revision Date: September 12, 2017    Rev: 3
### Section 16. Other Information

<table>
<thead>
<tr>
<th>Date of Issue:</th>
<th>15-Sep-17</th>
<th>Prepared by:</th>
<th>Janis Thomson</th>
</tr>
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<tr>
<td>Date of previous issue:</td>
<td>26-May-15</td>
<td>MSDS Number:</td>
<td>50102</td>
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