

**Section 1. Identification**

Product Identifier: **Grey Water Odor Control**  
Product Use: Holding tank deodorant  
Manufacturer: Thetford Corporation  
7101 Jackson Road  
Ann Arbor, MI 48103  
Emergency Numbers: (734) 769-6000  
(800) 424-9300 (CHEMTRAC - 24 hours)

**Section 2. Hazards Identification**

Classification:	Eye Damage/Irritation - Category 1	Skin sensitizer - Category 1
Hazard Pictograms:		
Signal Word:	DANGER	
Hazard Statements:	Causes serious eye damage. May cause an allergic skin reaction.	
Precautionary Statements:		
Prevention	Wear eye protection and protective gloves. Avoid breathing spray. Wash hands thoroughly after handling. Contaminated work clothing must not be allowed out of the workplace.	
Response	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. Immediately call a poison center. IF ON SKIN: Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical attention. Wash contaminated clothing before reuse.	
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.

Ingredient Name	Wt%	CAS Number
Bronopol	1.5	52-51-7
Ethoxylated Alcohol	4.8	34398-01-1

**Section 4. First Aid Measures**First Aid Measures

Inhalation:	Remove from contaminated area if irritation occurs.
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. Remove contact lenses if present and easy to do. Continue rinsing. Get medical attention immediately.
Ingestion:	Do not induce vomiting. Drink large amounts of water. Contact a physician.

Potential Acute Health Effects

Inhalation:	No specific data.
Skin Contact:	May cause an allergic skin reaction.
Eye Contact:	Causes serious eye damage.
Ingestion:	Nontoxic if ingested.

Potential Over-Exposure Symptoms

Inhalation:	No specific data.
Skin Contact:	Repeated contact may cause allergic skin reaction.
Eye Contact:	Corrosive with symptoms of tearing, redness swelling, burns and possible permanent damage.
Ingestion:	May cause abdominal discomfort, vomiting, nausea, and diarrhea.

#### Potential Chronic Health Effects

Skin Contact:	Once sensitized, a severe allergic reaction may occur when subsequently exposed to very low levels.
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### **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
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

Wear safety glasses and rubber gloves. Eliminate sources of ignition. Avoid inhalation and ventilate area.

#### Method and materials for containment and clean up

Clean up small spills with water. Soak up larger spills with absorbent material. Place used absorbent in closed containers for disposal. Mop the area with plenty of cold, clean water. 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. Wash thoroughly after handling.
Conditions for safe storage:	Do not store above 100°F (38°C). Do not freeze.

### **Section 8. Exposure Control/Personal Protection**

#### Occupational Exposure Limits

No exposure limit valve known.

#### Appropriate Engineering Controls

Maintain adequate ventilation

#### Personal Protection

Respiratory Protection:	Not required for properly ventilated areas
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. Do not allow contaminated clothing to leave the workplace. Have eyewash and safety shower available.

### **Section 9. Physical and Chemical Properties**

Physical State:	Liquid	Upper/Lower Explosive Limits:	Not applicable
Color:	Light purple	Vapor Pressure:	Not available
Odor:	Floral	Vapor Density:	Not available
Odor Threshold:	Not available	Specific Gravity:	1.012
pH:	3.5 - 4.5	Bulk Density:	Not applicable
Melting Point:	Not applicable	Solubility:	Complete
Freezing Point:	32°F (0°C)	Partition coefficient n-octanol/water:	Not available

Boiling Point:	210°F (99°C)		
Flash Point:	> 200°F (>93°C)	Auto-ignition Temperature:	Not available
Evaporation Rate:	Not available	Decomposition Temperature:	Not available
Flammability:	Not flammable	Viscosity:	100 - 120 cps

## Section 10. Stability and Reactivity

Reactivity:	No specific test data available on finished product.		
Chemical Stability:	The product is stable.		
Possibility of Hazardous Reactions:	Under normal conditions of storage and use hazardous reactions will not occur.		
Conditions to Avoid:	Elevated temperatures.		
Incompatible Materials:	Oxidizing materials, metal		
Hazardous Decomposition Products:	Thermal decomposition may produce oxides of carbon.		

## Section 11. Toxicological Information

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

### Potential Acute Health Effects

Inhalation:	No specific data.
Skin Contact:	May cause an allergic skin reaction.
Eye Contact:	Causes serious eye damage.
Ingestion:	Nontoxic if ingested.

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

Inhalation:	No specific data.
Skin Contact:	Repeated contact may cause allergic skin reaction.
Eye Contact:	Corrosive with symptoms of tearing, redness swelling, burns and possible permanent damage.
Ingestion:	May cause abdominal discomfort, vomiting, nausea, and diarrhea.

### Potential Chronic Health Effects

#### Short Term Exposure

Potential immediate effects: Possible eye injury from contact.

#### Long Term Exposure

Potential delayed effects:	May cause allergic skin reaction.
General:	Not available
Carcinogenicity:	Ingredients not listed by ACGIH, IARC, NIOSH, NTP OR OSHA.
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:

Bronopol	LD50 Oral LD50 Dermal LC50 Inhalation	305 mg/kg (rat) >2,000 mg/kg (rat) 800 mg/m <sup>3</sup> (rat) (Dusts and mists)
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Ethoxylated Alcohol	LD50 Oral LD50 Dermal	>2,000 mg/kg (rat) >2,000 mg/kg (rabbit)
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#### Respiratory or skin sensitization

Respiratory sensitization Not available.

Skin sensitization May cause allergic skin reaction.

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: No data available to indicate product or any components present at greater than 0.1% presents reproductive hazards.

#### Specific target organ toxicity - single exposure:

No known significant effects or critical hazards.

#### Aspiration hazard

Not an aspiration hazard

### Section 12. Ecological Information

#### Toxicity

##### Components

Bronopol	EC50 Algae EC50 Daphnia magna EC50 Daphnia magna IC50 Algae LC50 Fresh water	0.4 mg/l 72 h 1.08 mg/l 48 h 1.1 mg/l 48 h 0.11 mg/l 72 h (Scenedesmus subspicatus) 8.6 mg/l 96 h (Fish - Danio rerio)
Ethoxylated Alcohol	EC50 48h Daphnia LC50/96h Fish EC50/72h Algae	5 - 10 mg/l 5 - 10 mg/L 100 - 100 mg/l

Persistence and Degradability: Organic ingredients are biodegradable.

Bioaccumulative Potential: Low 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. Empty containers should be taken to an approved waste handling site for recycling or disposal.

### Section 14. Transport Information

UN Number:

Not Regulated

Hazard Class:

Not applicable

UN Proper Shipping Name:

Not applicable

Packing Group:

Not applicable

Environmental Hazard:

No

### Section 15. Regulatory Information

SARA 311/312:

Immediate acute health hazard

SARA Title III Section 313 EHS:

None

SARA Title III Section 313 Toxic:

None

### Section 16. Other Information

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Janis Thomson

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