

Material Safety Data Sheet

FORM NUMBER: 50099

Section I Product Information/Preparation Information				
Identity: Aqua-Kem Marine Toss-Ins		Product Use: Holding tank deodorant		
Manufacturer's Name Theftford Corporation		Emergency Telephone Number (734) 769-6000; (800) 424-9300 (CHEMTREC-24 hrs)		
Address 7101 Jackson Road Ann Arbor, Michigan 48103		Telephone Number for Information (734) 769-6000		
		Date Prepared 23-Jul-12	Prepared By Janis M. Thomson	
Section II - Hazardous Ingredients/Identity Information				
Hazardous Components	CAS #	OSHA PEL	ACGIH	Other Limits
Bronopol	52-51-7			none established
Sodium Chloride	7647-14-5			none established
Silicon Dioxide	112926-00-8		5 mg/m3 dust	
Section III - Hazards Identification and Toxicological Information				
Emergency Overview:				
Warning! Corrosive to the skin. Toxic if ingested. Causes eye irritation.				
Route(s) of Entry:				
Inhalation: Not an inhalation hazard.				
Skin Contact: Corrosive.				
Eye contact: Causes irritation - redness and swelling				
Ingestion: Toxic. Elevated blood pressure if ingested.				
Chronic effects:				
Carcinogenicity: Not carcinogenic.				
Teratogenicity: Not teratogenic.				
Mutagenicity: Not mutagenic.				
Sensitization to Material: None known.				
Synergistic materials: Surfactants cause the product to become toxic by ingestion.				
Toxicological Information:		LD ₅₀ : >50 mg/kg (oral, rat)	LC ₅₀ :	
		LD ₅₀ :	LC ₅₀ :	
Section IV - First Aid Procedures:				
Inhalation: Not applicable.				
Ingestion: Do not induce vomiting. Drink 2 glasses of water. Get medical attention immediately.				
Skin: Flush contacted area with large amounts of water. Wash with soap and water. Wash clothing before reuse.				
Eyes: Flush contacted area with large amounts of water. Irrigate eyes for a minimum of 15 minutes. Get medical attention immediately.				
Section V - Fire and Explosion Hazard Data				
Flash Point (Method used) Not below 200°F (93°C)		Flammable Limits by Volume N/A		LEL N/A
				UEL N/A
Extinguishing Media Water, dry chemical, carbon dioxide or foam		Hazardous Combustion Products Formaldehyde, bromine, oxides of carbon and nitrogen.		
Special Fire fighting Procedures None.		Auto-ignition Temperature Not available	Sensitivity to Static Discharge Not available	
Unusual Fire and Explosion Hazards None		Conditions of Flammability Not flammable		
Explosion Data None		Sensitivity to Mechanical Impact Not available		

Section VI - Personal Protective Equipment

Respiratory Protection:
Not required.

Engineering Controls:
Maintain adequate ventilation.

Protective Gloves:
Rubber gloves.

Eye Protection:
Safety glasses or safety goggles.

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

Work/Hygienic Practices
Avoid unnecessary and prolonged exposure. Avoid breathing dust. Wash thoroughly after handling.

Section VII - Accidental Release Measures/Preventative Measures

Steps to be Taken in Case Material is Released or Spilled:
Eliminate sources of ignition. Ventilate area. Sweep up spills. Place in closed containers for disposal. Mop area with plenty of 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). Keep container closed when not in use.

Other Precautions
Do not get in eyes or on skin. Do not inhale dust. Wash thoroughly after handling.

Section VIII - Physical/Chemical Characteristics

Boiling Point Not applicable.	Specific Gravity (H2O = 1) Not applicable.	Physical State Solid
Vapor Pressure (mm Hg) Not determined	Melting Point Not applicable	Odor Threshold Not determined
Vapor Density (AIR = 1) Not determined	Evaporation Rate (Butyl Acetate = 1) Not determined	Freezing Point Does not freeze
Solubility in Water 95%	pH 10% solution 5 - 7	Coeff. Water/Oil Dist. Not determined

Appearance and Odor
Blue granules with baby powder scent

Section IX - Reactivity Hazards

Stability <input checked="" type="checkbox"/> Stable	Hazardous Polymerization May Occur
Unstable	<input checked="" type="checkbox"/> Will Not Occur

Incompatibility (Materials to Avoid)
Alkalis, amines, metal, concentrated acids

Hazardous Decomposition or Byproducts
Thermal decomposition may produce formaldehyde, bromine, oxides of carbon and nitrogen

Conditions to Avoid
Elevated temperatures

Section XI - Shipping Information

Transportation Status: **Regulated**

ID Number:	Proper Shipping Name:	Hazard Class:	Pkg Group:
UN2923	Corrosive Solids, Toxic, nos (Bronopol)	8	III

(Limited Quantity)

Regulated under all modes of transportation as UN2923 in limited quantities. Consult the individual regulations, IATA via air, IMDG via water and TDG for Canadian shipping information. NOT PACKAGED FOR AIR TRANSPORT.