

Material Safety Data Sheet

FORM NUMBER: 50070

Section I Product Information/Preparation Information				
Identity: RV Hard Water Spot Remover		Product Use: Maintenance		
Manufacturer's Name Theftford 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/Identify Information				
Hazardous Components	CAS #	OSHA PEL	ACGIH	Other Limits
Citric Acid	77-92-9	15 mg/m3 TWA	10 mg/m3 TWA	None established
Sulfamic Acid	5329-14-6			None established
Section III - Hazards Identification and Toxicological Information				
Emergency Overview:				
Warning! Causes eye and skin irritation.				
Route(s) of Entry:				
Inhalation: May cause irritation.				
Skin Contact: Causes irritation.				
Eye contact: Causes irritation				
Ingestion: May cause corrosion of the mucous membrane with stomach discomfort and nausea.				
Chronic effects:				
Carcinogenicity: Not carcinogenic.				
Teratogenicity: Not teratogenic.				
Mutagenicity: Not mutagenic.				
Sensitization to Material: None known				
Synergistic materials: None known				
Toxicological Information: Sulfamic Acid		LD ₅₀ : 3160mg/kg (oral, rat)	LC ₅₀ :	
Citric Acid		LD ₅₀ : 6730 mg/kg (oral, rat)	LC ₅₀ :	
Section IV - First Aid Procedures:				
Inhalation: Remove to fresh air. If discomfort persists, contact a physician.				
Ingestion: Do not induce vomiting. Drink large amounts 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				
Flash Point (Method used) >200°F (>93°C)		Flammable Limits by Volume NA	LEL NA	UEL NA
Extinguishing Media Foam		Hazardous Combustion Products Nitrogen, sulfur oxides, carbon oxides and ammonia		
Special Fire fighting Procedures None		Auto-ignition Temperature Not applicable	Sensitivity to Static Discharge No data available	
Unusual Fire and Explosion Hazards None		Conditions of Flammability Not flammable		
Explosion Data None		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	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 Do not get liquid in eyes. Wash thoroughly after handling.		
Section VIII - Physical/Chemical Characteristics		
Boiling Point 210°F (99°C)	Specific Gravity (H ₂ O = 1) 1.037	Physical State Liquid
Vapor Pressure (mm Hg) Not determined	Melting Point NA	Odor Threshold Not determined
Vapor Density (AIR = 1) Not determined	Evaporation Rate (Butyl Acetate = 1) Not determined	Freezing Point 32°F (0°C)
Solubility in Water Complete	pH 2.0 - 3.0	Coeff. Water/Oil Dist. Not available
Appearance and Odor Clear, light amber, odorless liquid		
Section IX - Reactivity Hazards		
Stability <input checked="" type="checkbox"/> Stable <input type="checkbox"/> Unstable	Hazardous Polymerization <input type="checkbox"/> May Occur <input checked="" type="checkbox"/> Will Not Occur	
Incompatibility (Materials to Avoid) Strong oxidizers, nitrates, strong bases, cyanides, sulfides, and carbonates.		
Hazardous Decomposition or Byproducts Sulfur dioxide, sulfur trioxide, carbon dioxide, carbon monoxide, nitrogen and ammonia.		
Conditions to Avoid Incompatible materials and 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.		