

Material Safety Data Sheet

FORM NUMBER: 50095

Section I Product Information/Preparation Information				
Identity: Hull Cleaner		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 11-Jun-12	Prepared By Janis M. Thomson	
Section II - Hazardous Ingredients/Identify Information				
Hazardous Components Oxalic Acid	CAS # 6153-56-6	OSHA PEL 1 m/m3	ACGIH 2 m/m3	Other Limits
Section III - Hazards Identification and Toxicological Information				
Emergency Overview:				
Warning! Causes eye and skin irritation. Harmful of fatal if swallowed.				
Route(s) of Entry: Inhalation: Inhalation of spray mist may produce irritation of the respiratory tract.				
Skin Contact: Causes irritation with redness. Can be absorbed through the skin.				
Eye contact: Causes irritation and possible eye damage.				
Ingestion: Corrosive and toxic. May cause burns to the mouth and esophagus. May cause kidney damage.				
Chronic effects: Carcinogenicity: Not carcinogenic.				
Teratogenicity: Not teratogenic.				
Mutagenicity: Not mutagenic.				
Sensitization to Material: None known				
Synergistic materials: None known				
Toxicological Information: Oxalic Acid	LD ₅₀ : 7500 mg/kg (oral, rat)	LC ₅₀ :		
	LD ₅₀ :	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, dry chemical, carbon dioxide	Hazardous Combustion Products Oxides of carbon			
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 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. Avoid inhalation of spray mist. 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. Store away from incompatible materials.		
Other Precautions Do not get liquid in eyes. Avoid breathing spray mist. Wash thoroughly after handling.		
Section VIII - Physical/Chemical Characteristics		
Boiling Point 210°F (99°C)	Specific Gravity (H ₂ O = 1) 1.029	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 0 - 1	Coeff. Water/Oil Dist. Not available
Appearance and Odor Clear, colorless, 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) Oxidizing agents, alkalis, chlorites, silver compounds, hypochlorites and furfuryl alcohol		
Hazardous Decomposition or Byproducts Oxides of carbon, formic acid.		
Conditions to Avoid Incompatible materials and elevated temperatures.		
Section XI - Shipping Information		
Transportation Status: Regulated		
ID Number: UN3265	Proper Shipping Name: Corrosive Liquid, Acidic, Organic, nos (Oxalic Acid)	Hazard Class: 8
		Pkg Group: III
(Limited Quantity)		
Regulated under all modes of transportation as UN1950 in limited quantities. Consult the individual regulations, IATA via air, IMDG via water and TDG for Canadian shipping information. NOT PACKAGED FOR AIR TRANSPORT.		