

Material Safety Data Sheet

FORM NUMBER: 50059

| 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 1-Nov-07 | Prepared By Janis M. Thomson | |
| Section II - Hazardous Ingredients/Identify Information | | | | |
| Hazardous Components Oxalic Acid | CAS # 6153-56-6 | OSHA PEL 1m/m3 | ACGIH 2m/m3 | Other Limits |
| Section III - Hazards Identification and Toxicological Information | | | | |
| Emergency Overview: | | | | |
| Warning! Causes eye and skin irritation. Harmful or 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 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 : 7500mg/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 in spray mist. Wash thoroughly after handling. | | |
| Section VIII - Physical/Chemical Characteristics | | |
| Boiling Point 210°F (99°C) | Specific Gravity (H2O = 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: US DOT: Regulated | Proper Shipping Name: Consumer Commodity | Class: ORM-D |
| Regulated under other modes of transportation as UN3265 packing group III. Consult the individual regulations (IATA, IMDG) for shipping information. Not packaged for air transportation. | | |