

MATERIAL SAFETY DATA SHEET

Date Prepared: 09-01-01 By Charles D. Werner

| SECTION 1 - PRODUCT IDENTIFICATION | | | |
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| Manufacturer Name: FORTECH PRODUCTS BY Formula Corporation | | Emergency Phone No: 1-800-228-5635 ext. 059 | |
| Address: 7901 2nd Ave. S., Seattle, WA 98108 | | | |
| Trade Name: MACHINE DISH WASH | | Product Type: Liquid dishwasher detergent | |
| Product codes: FLLMDWRX | | | |
| SECTION 2 - INGREDIENTS | | | |
| Chemical Name/Common Name: | CAS NO. | PERCENT (optional) | TLV (Source) |
| Sodium Hydroxide | 1310-73-2 | 20 | |
| Potassium Hydroxide | 1310-58-3 | 4.5 | N/A |
| Sodium Silicate | 1344-09-8 | 4 | N/A |
| No toxic chemicals subject to the reporting requirements of section 313 of Title III and of 40 CFR 372 are present | | | |
| SECTION 3 - PHYSICAL DATA | | | |
| Boiling Point: (F) 212 | | Specific Gravity: (H2O = 1.0) 1.32 | pH: 13.0 |
| Vapor Pressure: (mm/Hg) Not Determined | Vapor Density: Heavier than air | | |
| Solubility In Water: Completely miscible | | | |
| Evaporation Rate (Vs ether) Slower | | | |
| Appearance and Odor: Liquid, non-viscous, faint sweet odor | | | |
| SECTION 4 - FIRE AND EXPLOSION HAZARD DATA | | | |
| Flash Point (T.C.C.): NONE | | | |
| Extinguishing Media: nonflammable and non-explosive No special procedures required. | | | |
| Special Fire Fighting Procedures: Fire fighters should wear self-contained breathing apparatus and full protective clothing. | | | |
| Unusual Fire and Explosion Hazards: NOTHING SPECIAL. | | | |
| SECTION 5 - REACTIVE DATA | | | |
| Stability: Stable | | Incompatibility: Acids, combustible materials, some metals, strong oxidizers, many organic chemicals, and organic acids. | |
| Hazardous Decomposition Products: none | | | |
| SECTION 6 - HEALTH HAZARDS | | | |
| Threshold Limit Value - Product (See Section 2 for Ingredient TLV) | | None Established | |
| Primary Routes of Exposure: Eye - yes | | Skin-No | Oral-yes |
| | | Inhalation-no | Other |
| Signs and Symptoms of Over-exposure (Acute): Inhalation: Vapors and mist are extremely corrosive to the nose, throat, and mucous membranes. Irritation, coughing, chest pain, and breathing difficulty may occur with brief exposure. Skin and Eyes: Eyes: Vapors, liquid, and mists are corrosive to eyes. Liquid and mists may damage the eyes, causing corneal injury. Skin: Vapor, liquid, and mists are corrosive the skin. Brief exposure may irritate the skin. Prolonged exposure may burn the skin. Ingestion: Corrosive to the mouth and throat. Swallowing the liquid burns the tissues, and may cause severe abdominal pain, nausea, vomiting, and collapse. Swallowing large quantities may result in death. | | | |
| Signs and Symptoms of Over-exposure (Chronic): Repeated exposure may result in areas of destruction of skin tissue or primary irritant dermatitis. Inhalation of vapors or mists may cause varying degrees of damage to the affected tissues and also increasing susceptibility to respiratory illness. | | | |
| Medical Conditions Aggravated by Over-exposure: Persons with pre-existing dermatitis may be more susceptible to the effect of this material. | | | |
| Carcinogen or Suspect Carcinogen Ingredients: NTP - NO | | IARC - NO | OSHA - NO |
| | | | NONE |
| SECTION 7 - EMERGENCY AND FIRST AID PROCEDURES | | | |
| Eyes: Flush with immediately with lots of running water for at least 15 minutes holding eyelids open. Get medical attention. | | | |
| Skin: Immediately flush with lots of running water for at least 15 minutes. Continue flushing until no longer slippery. Washing with vinegar will help remove the alkalinity. Remove contaminated clothing & shoes. Wash before reuse. | | | |
| Ingestion: DO NOT INDUCE VOMITING. If vomiting occurs spontaneously, keep victims head below his hips to prevent his breathing vomitus into his lungs. Drink 1 to 8 glasses of water or milk to dilute. Call physician or poison control center immediately, Treat symptomatically. Do not give anything by mouth to an unconscious or convulsing person. | | | |
| Inhalation: Get to fresh air. | | | |
| SECTION 8 - SPECIAL PROTECTION INFORMATION | | | |
| Respiratory Protection: not normally required | | Ventilation Requirements: Adequate ventilation required. | |
| Protective Gloves: Resistant glove such as polyethylene or rubber. | | Eye Protection: Chemical splash goggles MUST BE worn | |
| SECTION 9 - SPILL OR LEAK PROCEDURES | | | |
| Steps to be Taken if Released or Spilled: For small spills, mop or wipe up and contain. For large spills, contain by diking with absorbent material and contain. Rinse with water into sanitary sewer system. | | | |
| Waste Disposal Methods: Note that the contaminates of the product must be consider when disposing. Consult appropriate Federal, State and Local regulatory agencies to ascertain proper disposal procedures and comply with them. | | | |
| SECTION 10 - STORAGE AND HANDLING INFORMATION | | | |
| Precautions to be Taken in Handling and Storage: Nothing special is required. Do not mix chemicals. | | | |
| This product is A CLASS 8 CORROSIVE according DOT regulations. | | | |
| Keep container tightly closed when not in use. | | | |