MATERIAL SAFETY DATA SHEET

Identity: De-fend Detergent/Disinfectant Concentrate, 4 oz.

Section I - Identification

Manufacturer: Fendall Company
Address: 5 East College Drive
          Arlington Heights, IL 60004
Emergency Telephone: 708-377-7400
Information Telephone: 800-343-4842
Date Prepared: 06/15/95

Section II - Hazardous Ingredients/Identity Information

Hazardous Component
(Specific Chemical Identity; Common Name(s)) OSHA PEL ACGLH TLV Other limits reccomended % (optional)
N-ETHYL-DIMETHYL BENOYLMONONITRILE CAS 64684-41-9 NONE NONE NONE N/A
N-ETHYL-DIETHYL BENOYLMONONITRILE CAS 64684-7-6 NONE NONE NONE N/A

Section III - Physical/Chemical Characteristics

Boiling Point: 212° F (100°C)
Vapor Pressure (mm Hg): No Data
Vapor Density (Air = 1): No Data
Specific Gravity (H2 O = 1): 1.04
Melting Point: No Data
Evaporation Rate (Butyl Acetate = 1): No Data
Solubility in Water: 100%
Appearance and Odor: CLEAR WATER-WHITE LIQUID LEMON SCENTED.

Section IV - Fire and Explosion Hazard Data

Flash Point (Method Used): NONE TO BOILING POINT
Flammability Limits: No Data
LEL: No Data
UEL: No Data
Extinguishing Media: PRODUCT DOES NOT REALLLY SUPPORT COMBUSTION. USE MEDIA APPRPROPRIATE FOR FUEL SOURCE
Special Fire Fighting Procedures: KEEP EXPOSED CONTAINERS COOL TO PREVENT MELTING. RETAIN RUNOFF TO PREVENT ENTRY INTO SEWERS OR PUBLIC WATER COURSES. WEAR SCBA IN CHEMICAL FIRES

Section V - Reactivity Data

Stability: Unstable: NO
Stable: YES
Incompatibility (Materials to Avoid): STRONG ACIDS AND OXIDIZERS
Hazardous Decomposition or Byproducts: CARBON MONOXIDE, CARBON DIOXIDE, OXIDES OF NITROGEN

Section VI - Health Hazard Data

Route(s) of Entry: Inhalation: NO Skin: YES Ingestion: YES Eyes: YES
Health Hazards (Acute and Chronic): DANGER. CORROSIVE. CAUSES SEVERE EYE AND SKIN DAMAGE. HARMFUL OR FATAL IF SWALLOWED. REPEATED OR PROLONGED DIRECT SKIN CONTACT MAY CAUSE DERMATITIS. FOLLOW GOOD CHEMICAL HYGIENE PRACTICES WHEN USING THIS PRODUCT.
Cardiotoxicity: N/A NO LARC Monographs: NO OSHA Regulated: NO
Signs and Symptoms of Exposure: REDNESS, TEARING, OR BURNING IN EYES. REDNESS, BURNING, GENERAL IRRITATION, OR SLICK FEELING ON SKIN. IRRITATION OF THROAT OR STOMACH IF SWALLOWED.
Medical Conditions Generally Aggravated by Exposure: PRE-EXISTING SKIN DISORDERS MAY BE ADVERSELY AFFECTED
Emergency First Aid Procedures: EYE CONTACT: FLUSH EYES WITH EYEWASH SOLUTION OR WATER FOR AT LEAST 15 MINUTES. CALL PHYSICIAN IMMEDIATELY. SKIN: FLUSH WITH PLENTY OF WATER AT LEAST 15 MINUTES. REMOVE AND WASH CONTAMINATED CLOTHING BEFORE REUSE. INGESTION: DRINK EGGS WHITES, GELATIN SOLUTION OR LARGE QUANTITIES OF WATER. AVOID ALCOHOL. CALL PHYSICIAN IMMEDIATELY.

Section VII - Precautions for Safe Handling and Use

Steps to Be Taken in Case Material Is Released or Spilled: CAUTION, SLIP HAZARD. FOR A SMALL SPILL WIPES UP WITH CLOTH OR OTHER ABSORBENT MATERIAL. FOR LARGE SPILLS, ISOLATE AND VENTILATE THE AREA. DUE TO PREVENT SPREAD AND ENTRY INTO SEWERS, STORM DRAINS, ETC. WEAR PROTECTIVE GEAR AS NEEDED. PICK UP ON ABSORBENT MATERIAL OR VACUUM UP. PUT IN SUITABLE CONTAINER FOR PROPER DISPOSAL.

Section VIII - Control Measures

Respiratory Protection: NOT USUALLY NECESSARY. USE WITH ADEQUATE VENTILATION.
Ventilation: Local Exhaust: NOT USUALLY NECESSARY
Mechanical: ADEQUATE VENTILATION
Protective Gloves: YES - IMPERVIOUS RUBBER
Eye Protection: YES - GOGGLES OR FACE SHIELD
Other Protective Clothing: AS NEEDED TO PREVENT DIRECT BODY CONTACT.
Work Hygienic Practices: ALWAYS FOLLOW SAFE WORK PRACTICES. WASH HANDS AFTER USE AND BEFORE EATING, DRINKING, SMOKING, USING RESTROOMS, ETC.