

## MATERIAL SAFETY DATA SHEET

Identity: De-fend 5 oz. Hospital Type Disinfectant Deodorant Spray - Part #6710 & #6715				
<b>Section I - Manufacturer/Supplier Information</b>				
Manufacturer: Fendall Company		Emergency Telephone: 708-577-7400		
Address: 5 East College Drive Arlington Heights, IL 60004		Information Telephone: 800-543-4342		
		Date Prepared: 02/23/95		
<b>Section II - Hazardous Ingredients/Identify Information</b>				
Hazardous Components (Specific Chemical Identity; Common Name(s))	OSHA PEL	ACGIH TLV	Other limits recommended	% (optional)
ETHANOL CAS #64-17-5	1000 PPM	1000 PPM	N/A	50-60%
BUTANE CAS #106-97-8	800 PPM	800 PPM	N/A	10-20%
PROPANE CAS # 74-98-6	1000 PPM	N/A	N/A	5-10%
<b>Section III - Physical/Chemical Characteristics</b>				
Boiling Point: 130° F (82° C)		Specific Gravity (H <sub>2</sub> O)=1: .87		
Vapor Pressure (mm Hg.): 30		Melting Point: N/A		
Vapor Density (Air = 1): >1		Evaporation Rate (Butyl Acetate = 1): >1		
Solubility in Water: 100%				
Appearance and Odor: CLEAR, COLORLESS LIQUID, PLEASANTLY SCENTED.				
<b>Section IV - Fire and Explosion Hazard Data</b>				
Flash Point (Method Used): 71° F (22° C) (TCC)		Flammable Limits:		LEL: 4      UEL: 19
Extinguishing Media: WATER FOG, CO <sub>2</sub> , OR DRY CHEMICAL				
Special Fire Fighting Procedures: KEEP CONTAINERS COOL. USE SHIELDING TO PROTECT PERSONNEL AGAINST BURSTING, RUPTURING OR VENTING CONTAINERS.				
Unusual Fire and Explosion Hazards: AT ELEVATED TEMPERATURES (OVER 130° F, 54° C) CONTAINERS MAY VENT, RUPTURE OR BURST.				
<b>Section V - Reactivity Data</b>				
Stability	Unstable: NO Stable: YES	Conditions to Avoid: AVOID HEATING TO ABNORMAL TEMPERATURES		
Incompatibility (Materials to Avoid): NONE				
Hazardous Decomposition or Byproducts: OXIDES OF CARBON MAY BE FORMED UPON COMBUSTION.				
Hazardous Polymerization	May Occur: NO Will Not Occur: YES	Conditions to Avoid: NONE		
<b>Section VI - Health Hazard Data</b>				
Route(s) of Entry: Inhalation? NO    Skin? NO    Ingestion? NO				
Health Hazards (Acute and Chronic): EYE CONTACT: MAY CAUSE TEMPORARY IRRITATION				
Carcinogenicity: NTP? NO    IARC Monographs? NO    OSHA Regulated? NO				
Signs and Symptoms of Exposure: N/A				
Medical Conditions Generally Aggravated by Exposure: UNKNOWN				
Emergency First Aid Procedures: EYE CONTACT: FLUSH EYES WITH EYEWASH SOLUTION OR WATER. CALL PHYSICIAN IF IRRITATION PERSISTS				
<b>Section VII - Precautions for Safe Handling and Use</b>				
Steps to Be Taken in Case Material is Released or Spilled: REMOVE SOURCES OF FLAME SPARK OR HEAT. PROVIDE ADEQUATE VENTILATION. WIPE UP SPILLS.				
Waste Disposal Method: REPLACE CAP AND DISCARD CONTAINER IN TRASH. DO NOT PUNCTURE OR INCINERATE.				
Precautions to Be Taken in Handling and Storing: CONTENTS UNDER PRESSURE KEEP OUT OF REACH OF CHILDREN. FLAMMABLE. KEEP IN A COOL DRY AREA AWAY FROM FLAMES, SPARKS, AND SOURCES OF HEAT OR IGNITION. DO NOT SPRAY ON OR TOWARD EYES AND FACE. AVOID BREATHING SPRAY MIST OR VAPORS.				
Other Precautions: READ ENTIRE LABEL BEFORE USING. FOLLOW ALL LABEL DIRECTIONS. OTHER COMMENTS: DETECTABLE AMOUNTS OF "CHEMICALS KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER, BIRTH DEFECTS OR OTHER REPRODUCTIVE HARM" MAY BE FOUND IN VARIOUS PRODUCTS AND THEIR VAPORS OR RESULT FROM THEIR USE. READ AND FOLLOW LABEL DIRECTIONS AND OTHER PRODUCT SAFETY AND HEALTH INFORMATION WHICH YOU HAVE BEEN PROVIDED WITH WHEN HANDLING OR USING THIS PRODUCT.				
<b>Section VIII - Control Measures</b>				
Respiratory Protection: NONE REQUIRED				
Ventilation	Local Exhaust: NONE REQUIRED		Special: N/A	
	Mechanical: ADEQUATE VENTILATION		Other: N/A	
Protective Gloves: N/A		Eye Protection: SAFETY GLASSES		
Other Protective Clothing: N/A				
Work Hygienic Practices: ALWAYS FOLLOW SAFE WORK PRACTICES.				