

MATERIAL SAFETY DATA SHEET

MSDS #1002

Identity: De-fend 5 oz. Foaming Cleaner/Disinfectant Spray- Part #6420 & #6425				
Section I				
Manufacturer: Fendall Company		Emergency Telephone: 708-377-7400		
Address: 5 East College Drive Arlington Heights, IL 60004		Information Telephone: 800-543-4842		
		Date Prepared: 02/23/95		
Section II - Hazardous Ingredients/Identity Information				
Hazardous Components (Specific Chemical Identity; Common Name(s))	OSHA PEL	ACGIH TLV	Other limits recommended	% (optional)
BUTANE CAS #106-97-8	800 PPM	300 PPM	N/A	1-5%
PROPANE CAS # 74-98-6	1000 PPM	N/A	N/A	1-5%
2-BUTOXYETHANOL* CAS #111-76-2	25 PPM (SKIN)	25 PPM (SKIN)	N/A	1-5%
*SUBJECT TO THE REPORTING REQUIREMENTS OF SECTION 313 OF THE EMERGENCY PLANNING AND COMMUNITY RIGHT-TO-KNOW ACT OF 1986 AND OF 40 CFR 372.				
Section III - Physical/Chemical Characteristics				
Boiling Point: 212° F (100° C)		Specific Gravity (H ₂ O)=1: 1.01		
Vapor Pressure (mm Hg): 18		Melting Point: N/A		
Vapor Density (Air = 1): <1		Evaporation Rate (Butyl Acetate = 1): <1		
Solubility in Water: 100%				
Appearance and Odor: CLEAR, LIGHT YELLOW LIQUID, PLEASANTLY SCENTED.				
Section IV - Fire and Explosion Hazard Data				
Flash Point (Method Used): NONE (TC) ON CONCENTRATE		Flammable Limits:		LEL: N/A UEL: N/A
Extinguishing Media: WATER				
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.				
Section V - Reactivity Data				
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 AND NITROGEN MAY BE FORMED UPON COMBUSTION.				
Hazardous Polymerization	May Occur: NO Will Not Occur: YES	Conditions to Avoid: NONE		
Section VI - Health Hazard Data				
Route(s) of Entry: Inhalation? NO Skin? NO Ingestion? NO				
Health Hazards (Acute and Chronic): EYE CONTACT: MAY CAUSE PAIN OR TRANSIENT 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 EYE WASH SOLUTION OR WATER. CALL PHYSICIAN IF IRRITATION PERSISTS				
Section VII - Precautions for Safe Handling and Use				
Steps to Be Taken in Case Material is Released or Spilled: 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, PILOT LIGHT SOURCES OF HEAT OR IGNITION. DO NOT SPRAY ON OR TOWARD EYES AND FACE.				
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.				
Section VIII - Control Measures				
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.				