

MATERIAL SAFETY DATA SHEET

May be used to comply with
OSHA's Hazard Communications Standard,
29 CFR 1910. Standard must be
consulted for specific requirements.

U.S. Department of Labor

Occupational Safety and Health Administration
(Non-Mandatory Form)
Form Approved
OMB N. 1218-0072

IDENTITY: TEACHER'S AID A344		NOTE: Blank spaces are not permitted. If any item is not applicable, or no information is available, the space must be marked to indicate that.	
HMIS RATING:	HEALTH: 1	FLAMMABILITY: 2	REACTIVITY: 0
RATING LEGEND:	4 = extreme, 3 = serious, 2 = moderate, 1 = slight, 0 = minimal, * = chronic hazard		

Section I

Distributed By:	Handi-Clean Products, Inc. 301 Swing Rd. Greensboro, NC 27409	Emergency Telephone Number (336) 292-3083 After 5:00 p.m. (336) 996-5353	
		Telephone Number for Information (336) 292-3083	Date Prepared 11/3/2009

Section II - Hazardous Ingredients/Identity Information

Hazardous Components (Specific Chemical Identity; Common)	CAS NO.	OSHA PEL	ACGIH TLV	Other Limits Recommended	% (optional)
Ethyl Alcohol	64-17-5	1000 ppm/NE	1000 ppm/NE	--	1 - 3
2-Butoxyethanol	111-76-2	20 ppm/NE	20 ppm/NE	--	1 - 3
Propane	74-98-6	1000 ppm/NE	1000 pm/NE	--	1 - 3
n-Butane	106-97-8	--	1000 ppm/NE	--	1 - 3

Section III - Physical/Chemical Characteristics

Boiling Point: 204.8° F (96.1° C) estimated	Specific Gravity (H₂O = 1): 0.9605 estimated	Appearance: Colorless compressed liquefied gas.
Vapor Pressure: 70-90 psig @ 70°F	Evaporation Rate (=1): 9.5 - 10.5	Odor : Butyl.
Vapor Density (AIR = 1): --		Solubility in Water: Completely.

Section IV - Fire and Explosion Hazard Data

Flash Point (Method Used): -156° F (-104.4° C) Propellant	Flammable Limits	LEL: --	UEL: --
Extinguishing Media: Water fog. Foam. Dry chemical powder. Carbon dioxide (CO ₂).			
Special Fire Fighting Procedures: Containers should be cooled with water to prevent vapor pressure build up.			
Unusual Fire and Explosion Hazards: Vapor or gas may spread to distant ignition sources and flash back. Water fog. Dry chemical powder. Carbon dioxide (CO ₂).			

Section V - Reactivity Data

Stability:	Stable	X	Unstable
Hazardous Polymerization:	May Occur		Will Not Occur X
Incompatibility (Materials to Avoid): None known.			
Hazardous Decomposition or Byproducts: No hazardous decomposition products are known.			
Conditions to Avoid: Heat, flames and sparks.			

Section VI - Health Hazard Data

Route(s) of Entry:	Inhalation? X	Skin? X	Eyes? X	Ingestion? X
Health Hazards (Acute/Potential): EYES: Health injuries are not known or expected under normal use. SKIN: This product may be harmful if it is absorbed through the skin. Prolonged or repeated contact can result in defatting and drying of the skin which may result in skin irritation and dermatitis (rash). INHALATION: Intentional misuse by concentrating and inhaling the product can be harmful or fatal. INGESTION: Exposure by ingestion of an aerosol is unlikely. Components of the product may be absorbed into the body by ingestion.				
Health Hazards (Chronic/Long Term): Unconsciousness. Liver injury may occur.				
Medical Conditions Generally Aggravated by Exposure: 2-Butoxy ethanol may be absorbed through the skin in toxic amounts if contact is repeated and prolonged and may cause blood damage. These effects have not been observed in humans. Cyanosis. Liver enlargement. Jaundice. Defatting of the skin. Irritation.				

Emergency and First Aid Procedures: **EYES:** Flush with plenty of water immediately for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation develops or persists. **SKIN:** Immediately take off all contaminated clothing. Wash off with warm water and soap. Get medical attention if irritation develops or persists. **INHALATION:** If symptoms develop move victim to fresh air. If symptoms persist, get medical attention. **INGESTION:** Rinse mouth. If ingestion of a large amount does occur, call a poison control center immediately.

Section VII - Precautions for Safe Handling and Use

Steps to Be Taken in Case Material is Released or Spilled: **Methods for containment:** Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Stop leak if you can do so without risk. Move the cylinder to a safe and open area if the leak is irreparable. Stop the flow of material, if this is without risk. Prevent entry into waterways, sewers, basements or confined areas. **Methods for cleaning up:** Should not be released into the environment. Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal. **Small Spills:** Wipe up with absorbent material (e.g. cloth, fleece). Clean contaminated surface thoroughly.

Waste Disposal Method: Dispose in accordance with local, state and federal regulations. Contents under pressure. Do not puncture, incinerate or crush. Dispose of this material and its container at hazardous or special waste collection point. Do not allow this material to drain into sewers/water supplies. If discarded, this product is considered a RCRA ignitable waste, D001.

Precautions to Be Taken in Handling and Storing: **Handling:** Pressurized container: Do not pierce or burn, even after use. Do not handle or store near an open flame, heat or other sources of ignition. Use only in area provided with appropriate exhaust ventilation. Do not use if spray button is missing or defective. Do not get this material in contact with eyes. Do not get this material in contact with skin. Avoid prolonged exposure. **Storage:** Level I Aerosol. Contents under pressure. Do not puncture, incinerate or crush. Do not handle or store near an open flame, heat or other sources of ignition. Do not expose to heat or store at temperatures above 120° F/49° C as can may burst. Avoid exposure to long periods of sunlight. Do not store, incinerate, or heat this material above 120° degrees Fahrenheit.

Other Precautions: KEEP OUT OF REACH OF CHILDREN.

Section VIII - Control Measures

Respiratory Protection (Specify Type): When workers are facing concentrations above the exposure limit they must use appropriate certified respirators. If permissible levels are exceeded use NIOSH mechanical filter / organic vapor cartridge or an air-supplied respirator.

Ventilation: Appropriate exhaust ventilation.

Eye Protection: Wear chemical goggles.

Protective Gloves: Wear appropriate chemical resistant gloves.

Other Protective Clothing or Equipment: Wear appropriate chemical resistant clothing.

Work/Hygienic Practices: Wash hands with soap and water after using product.