

# MATERIAL SAFETY DATA SHEET

HMS Rating: Health 2 Flammability 2 Reactivity 0

**IDENTITY** (As Used on Label and List)  
WATER DISPLACER AND LUBE  
A-500

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.

### Section I

<b>Manufacturer's Name</b>	Distributed By: Handi-Clean Products, Inc	<b>Emergency Telephone Number</b>	(336) 292-3083 After 5:00 p.m. (336) 454-3662
<b>Address:</b>	301 Swing Road Greensboro, NC 27409	<b>Telephone Number for Information</b>	(336) 292-3083
			<b>Date Prepared</b> 7-20-98

Section II - Hazardous Ingredients/Identity Information	CAS NO.	OSHA PEL	SARA 313	% (optional)
Trichloroethylene	79-01-6	100	Yes	50-60
Liquified Petroleum Gas	68476-85-7	1000	-	1-5
Carbon Dioxide	124-38-9	5,000	-	1-3
Barium Compounds	N/A	N/A	-	2-3
Deodorized Kerosene	Mixture	N/A	-	30-40

### Section III - Physical/Chemical Characteristics (ON CONCENTRATE)

Boiling Point	N/A	Specific Gravity (H <sub>2</sub> O = 1)	>1.0	Appearance	Clear Brown Liquid
Vapor Pressure (psig)	90+10@130°F	Evaporation Rate		Odor	Chlorinated
Vapor Density (AIR = 1)	>1	(Ether = 1)	<1	Solubility in Water	Negligible

### Section IV - Fire and Explosion Hazard Data

Flash Point (Method Used) Non-Flammable per 16CFR 1500.45	Flammable Limits (Propellant)	LEL 1.8	UEL 9.2**
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**Extinguishing Media:** Water Fog, CO<sub>2</sub>, Foam

**Special Fire Fighting Procedures:** Keep containers cool. Use shielding to protect personnel against bursting or venting containers. \*\*Trichloroethylene vapors concentrated in a confined or poorly ventilated area can be ignited upon contact with a high energy spark, flame, or high intensity of heat.

**Unusual Fire and Explosion Hazards:** At elevated temperatures over 120°F, containers may vent, rupture or burst.

### Section V - Reactivity Data

Stability:	Stable	X	Unstable	Conditions to Avoid Abnormal or spraying into open flame, welding or other high temperature sources that may induce thermal decomposition that yields HCL, phosphene, oxides of carbons.
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**Incompatibility (Materials to Avoid)** Oxidizing agents

**Hazardous Decomposition or Byproducts** HCL, oxides of carbon, minute traces of phosgene & chlorine may be formed upon combustion.

Hazardous Polymerization	May Occur	Will Not Occur	X	Conditions to Avoid None
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### Section VI - Health Hazard Data

Route(s) of Entry:	Inhalation?	X	Skin?	X	Ingestion?	X
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**Health Hazards (Acute and Chronic)** May cause irritation to skin and eyes. Inhalation may cause central nervous system depression, irritation to upper respiratory tract, headache, confusion, fainting, increased myocardial irritability, dizziness, drunkenness, or other anesthetic effects. In confined or poorly ventilated area, vapors can readily accumulate and cause unconsciousness or death. Various tests have shown that there are no teratogenic or mutagenic hazards associated with trichloroethylene under normal use conditions. Exposure may aggravate heart rhythm disorders. Increased sensitivity to epinephrine

**Emergency and First Aid Procedures** Get quick medical attention if any ill effects continue or develop later. SKIN: Remove any contaminated clothing, then wash affected skin with soap and water. EYES: Flush with water for 15 minutes. See physician if irritation persists. INHALATION: Get victim to fresh air and medical attention. Maintain respiration. INGESTION: Get medical attention.

### Section VII - Precautions for Safe Handling and Use

**Steps to Be Taken in Case Material is Released or Spilled:** Remove sources of flame, spark, or heat. Wipe up spills.

**Waste Disposal Method:** Dispose in accordance with local, state, federal regulations.

**Precautions to Be Taken in Handling and Storing:** WARNING. May be harmful if inhaled. Avoid contact with EYES or SKIN. Use in a well ventilated area. Avoid breathing spray mist or vapors. Keep away from heat and flame.

**Other Precautions** KEEP OUT OF REACH OF CHILDREN. Do not store above 120°F. Intentional misuse by deliberately concentrating and inhaling or swallowing the contents is harmful and can be fatal.

### Section VIII - Control Measures

Respiratory Protection (Specify Type)	None Required if good ventilation maintained	Ventilation	Normal
Protective Gloves	Required for prolonged or frequent contact	Eye Protection	Safety Glasses
Other Protective Clothing or Equipment	None Required		
Work/Hygiene Practices	Wash hands thoroughly after using product.		