

## Material Safety Data Sheet

May be used to comply with  
OSHA's Hazard Communication Standard  
29 CFR 1910.1200. Standard must be  
consulted for specific requirements.

**Identity** (As Used on Label and List)

## U.S. Department of Labor

Occupational Safety and Health Administration  
(Non-Mandatory Form)  
Form Approved

OMB No. 1218-0072

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.

**Date Prepared:** June 16, 1998

## ChemRite® Dry Teflon® Coating (Bulk)

Utex Style 1130

ChemRite® is a registered trademark of Utex Industries, Inc.  
Teflon® is a registered trademark of E.I. DuPont.

### SECTION I

#### Manufacturer's Name:

Utex Industries, Inc.  
10810 Old Katy Road, Suite 100  
Houston, Texas 77043

**Telephone No. (Information):** 713-467-1000 / 800-359-9229

**24 Hour Emergency No. (Chem-Tel, Inc.):** 800-255-3924

### SECTION II - HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

Hazardous Components (Specific Chemical Identity: Common Name(s))	OSHA PEL	ACGIH TLV	Other Limits Recommended	% (optional)
n-Heptane (CAS # 142-82-5)	400 ppm	400 ppm	N/E	80-90
Polytetrafluoroethylene (CAS# 9002-84-0)	5 mg/m <sup>3</sup>	5 mg/m <sup>3</sup>	N/E	10-15
Tetrabutyl Titanate (CAS# 5593-70-4)	N/E	N/E	N/E	N/E

N/E = None Established

### SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS

<b>Boiling Point:</b>	No Data	<b>Specific Gravity (H<sub>2</sub>O = 1):</b>	0.876 ± 0.02 g/cc
<b>Vapor Pressure (mm Hg):</b>	<5.0 mm Hg @ 20°C	<b>Melting Point:</b>	No data
<b>Vapor Density (AIR = 1):</b>	No Data	<b>Evaporation Rate (Butyl Acetate = 1):</b>	No data
<b>Solubility in Water:</b>	No Data	<b>Percent Volatile:</b>	84.0 max % by wt.

**Appearance and Odor:** Clear to light amber liquid, solvent odor.

### SECTION IV - FIRE AND EXPLOSION HAZARD DATA

**Flash Point (Method Used):** -3°C (n-Heptane) **Flammable Limits:** No data **LEL:** No data **UEL:** No data

**Extinguishing Media:** For warehouse and storage conditions, use NFPA Class B extinguishers (CO<sub>2</sub>, dry chemical, or universal aqueous film forming foam).

**Special Fire Fighting Procedures:** Use water spray to cool fire exposed containers for containers can rupture violently from heat developed pressure.

**Unusual Fire and Explosion Hazards:** Firemen should wear self-contained breathing apparatus.

### SECTION V - REACTIVITY DATA

**Stability:** Stable

**Conditions to Avoid:** Heat, sparks, flame, red-hot metal

**Incompatibility (Materials to Avoid):** Strong oxidizing materials

**Hazardous Decomposition or Byproducts:** Oxides of carbon

**Hazardous Polymerization:** Will Not Occur

**SECTION VI - HEALTH HAZARD DATA**

<b>Route(s) of Entry:</b>	<b>Inhalation?</b>	X	<b>Skin?</b>	X	<b>Ingestion?</b>	X
<b>Health Hazards (Acute and Chronic):</b> Flammable liquid--do not take internally. Avoid contact with skin and eyes. Vapor harmful. Intentional misuse by deliberately concentrating and inhaling contents may be harmful or fatal.						
<b>HMIS Ratings:</b>	Health - 1	Fire - 3	Reactivity - 0	Protective Equipment - B		
<b>Carcinogenicity:</b>	NTP?	No	IARC Monographs?	No	OSHA Regulated?	No

**Signs and Symptoms of Exposure:**

**Eye:** Liquid or vapors may cause redness, burning, tearing, swelling and/or pain.

**Skin:** Frequent or prolonged contact can result in defatting and drying of the skin which may result in skin irritation and dermatitis (rash).

**Ingestion:** May cause irritation to membranes of the mouth, throat and gastrointestinal tract, resulting in vomiting and/or cramps.

**Inhalation:** Prolonged or repeated overexposure is anesthetic. May cause irritation of the respiratory tract or acute nervous system depression characterized by headache, dizziness, staggering gait, or confusion.

**Medical Conditions Generally Aggravated by Exposure:** Skin contact may aggravate an existing dermatitis. Others unknown.

**Emergency and First Aid Procedures:**

**Eye:** Immediately flush with plenty of clear water for at least 15 minutes. Make sure to flush under the eyelids. Consult a physician for definitive treatment.

**Skin:** Remove with soap and water. Continue flushing with water for several minutes. Use skin cream to counter resulting dryness. Consult a physician if irritation continues or if large skin area is affected.

**Ingestion:** Do not induce vomiting! Drink a glass of water or milk to dilute. Call a physician or poison control center immediately. Never give anything by mouth to an unconscious person.

**Inhalation:** Remove to fresh air.

**SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE**

**Steps to Be Taken in Case Material is Released or Spilled:** Create a dike or trench to contain materials. Spill materials may be absorbed using sand, clay or commercial absorbent. Do not place spill materials back in their original container. Containerize and label all spill materials properly.

**Waste Disposal Method:** When disposing of the unused contents, the preferred options are to send to a licensed reclaimer or to permitted incinerators. Any disposal practice must be in compliance with local, state and federal laws and regulations. (Contact local or state environmental agency for specific rules.) Do not dump into sewers, on the ground or into any body of water.

**Precautions to Be Taken in Handling and Storing:** For storage of flammable materials, conform to NFPA 30 Flammable and Combustible Liquids.

**Other Precautions:** Empty containers retain residue (liquid and/or vapor) and can be dangerous. Do not pressurize, cut, weld, braze, solder, drill, grind or expose such containers to heat, flame, sparks, static electricity, or other sources of ignition; they may explode and cause injury or death. Do not attempt to clean since residue is difficult to remove. Empty drums should be completely drained, properly bunged and promptly returned to a drum reconditioner. All other containers should be disposed of in an environmentally safe manner and in accordance with governmental regulations.

**SECTION VIII - CONTROL MEASURES**

**Exposure Guideline:** Since this product is a mixture, an OSHA or ACGIH exposure value is not available. In determination of any exposure procedures, protection or testing, use the lowest rated ingredient from Section II.

**Respiratory Protection (Specify Type):** Atmospheric levels should be maintained below the exposure guideline. When respiratory protection is required, an appropriate NIOSH approved respirator for organic vapor should be worn. If respirators are needed, a program must be established to assure compliance with OSHA standard 29 CFR 1910.134.

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**Ventilation:**

**Local Exhaust:** Local exhaust ventilation or an enclosed handling system may be needed to control air contamination below that of the lowest TLV/PEL rated ingredient from Section II.

**Mechanical (General):** General ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions.

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**Skin Protection:**

For brief contact, only clean body-covering clothing is necessary. When prolonged or repeated contact could occur, use protective clothing such as Sol-Vex® gloves.

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**Other Protective Clothing or Equipment:**

Other clothing impervious to the ingredients listed in Section II.

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**Protective Gloves:**

Sol-Vex® gloves

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**Eye Protection:**

Safety glasses with side shields are recommended for any type of industrial chemical handling. Chemical splash-proof goggles are recommended where eye contact could occur.

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**Work/Hygienic Practices:**

Wear protective gloves and protective overalls

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**SECTION IX - TOXICOLOGICAL INFORMATION**

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ACUTE ORAL LD50:	> 5 g/kg (rat) - based on similar material
ACUTE DERMAL LD50:	> 3 g/kg (rabbit) - based on similar material
ACUTE INHALATION LC50:	No data

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**SECTION X - ECOLOGICAL INFORMATION**

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*This product has not been tested for environmental effects.*

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**SECTION XI - TRANSPORTATION INFORMATION**

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**DOT HM-181 INFORMATION**

Proper Shipping Name:	Heptanes
Hazard Class or Division:	3
Identification Number:	UN1206
Packaging Group:	II
Label(s) Required:	Flammable Liquid

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**INTERNATIONAL TRANSPORTATION REGULATIONS**

Proper Shipping Name:	Heptanes
Class or Division:	3
Subsidiary Risk:	No data
Hazard Label(s):	Flammable Liquid
Packaging Group:	II
UN or ID Number:	UN1206

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**NATIONAL MOTOR FREIGHT CLASSIFICATION**

Item:	50303
Article:	Compounds Lubricating
Class:	55

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## **SECTION XII - REGULATORY INFORMATION**

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**TOXIC SUBSTANCES CONTROL ACT:** *All of the ingredients in this product are on the TSCA inventory.*

**SARA TITLE III, SECTION 313:** The following ingredients are subject to the reporting requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372: *NONE*

**CLEAN AIR ACT (CAA):** The following ingredients appear on the List of Hazardous Air Pollutants (HAP - 42 USC 7412, Title 1, Part A, p112): *None*

**CLEAN WATER ACT (CWA):** The following ingredients appear on the CWA List of Hazardous Substances (40 CFR 116.4): *None*

**CALIFORNIA PROPOSITION 65:** The following ingredients appear on the Proposition 65 list(s):  
*None*

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