

# 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.

# U. S. Department of Labor

Occupational Safety and Health Administration  
(Non-Mandatory Form)  
Form Approved  
OMB No. 1218-0072

IDENTITY (As Used on Label and List)

**SILVERDERM 7**

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

Manufacturer's Name <b>DermaRite Industries</b>	Emergency Telephone Number <b>(973) 569-9000</b>
Address (Number, Street, City, State, and ZIP Code) <b>3 East 26<sup>th</sup> Street</b>	Telephone Number for Information <b>(973) 569-9000</b>
<b>Paterson, N. J. 07514</b>	Date Prepared <b>January 2009</b>
	Signature of Preparer (optional)

## Section II - Hazardous Ingredients/Identity Information

Hazardous Components (Specific Chemical Identity; Common Name(s))	OSHA PEL	ACGIH TLV	Other Limits Recommended	%(optional)
This product contains the following substances, which are defined as toxic chemicals under, and 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:				
<b>Silver, CAS No. 7440-22-4 (listed as silver compounds)</b>				

In addition, these components are considered hazardous chemicals under the criteria of the OSHA Hazard Communication standard (29 CFR 1910.1200).

## Section III - Physical/Chemical Characteristics

Boiling Point	Specific Gravity (H <sub>2</sub> O = 1)
Vapor Pressure (mm Hg.)	Melting Point
Vapor Density (AIR = 1)	Evaporation Rate (Butyl Acetate = 1)
Solubility in Water	

Appearance and Odor  
A solid coated fabric. No Odor

## Section IV - Fire and Explosion Hazard Data

Flash Ignition Temperature  
Nylon – 581 degree Fahrenheit, Method ASTM D1929-77  
Silver – Not Applicable

Auto Ignition Temperature  
Nylon – 905 degree Fahrenheit  
Silver – Not Applicable

Extinguishing Media  
Water or other Class A extinguishing agent.

### Special Fire Fighting Procedures

Fire fighters and others who may be exposed to products of combustion should wear full protective clothing including self contained breathing apparatus. Equipment should be thoroughly decontaminated after use.

### Unusual Fire and Explosion Hazards

Combustible thermoplastic material and may melt and drip heavy black smoke.

(Reproduce locally)

OSHA 174, Sept. 1985

**Section V - Reactivity Data**

Stability	Unstable		Conditions to Avoid
	Stable	<b>X</b>	
Incompatibility ( <i>Materials to Avoid</i> )			
Nylon – None			
Silver – Hydrogen peroxide decomposes violently on contact. Acetylene forms explosive acetylide. Ammonia forms fulminate – like explosive compound.			
Hazardous Decomposition or Byproducts			
Nylon – Above 660 degree F CO, CO <sub>2</sub> , HCN, NO <sub>x</sub> , and soot may occur.			
Silver – Above melt point fumes of silver oxide may occur.			
Hazardous Polymerization	May Occur		
	Will Not Occur	<b>X</b>	

**Section VI - Health Hazard Data**Health Hazards (*Acute and Chronic*) *Effects of Exposure:*

SilverDerm7 silver-coated nylon fabric consists of a woven nylon fiber substrate with a metallic surface coating. Skin contact is expected to be the primary route of occupational exposure to SilverDerm7 silver-coated fabrics. Occupational exposure to this material has not been reported to cause significant adverse health effects. Due to its chemical and physical properties, SilverDerm7 silver-coated nylon fabrics do not appear to possess any toxicological properties, which would require special handling other than good industrial hygiene and safety practices employed with any material of this type. SilverDerm7 coated nylon fabrics are not expected to present an inhalation hazard during routine shipping or handling. Under aggressive conditions of physical manipulation (carding, weaving, etc.), there is a potential for generation of respirable fibers and metal dusts.

<i>Carcinogenicity:</i>	NTP?	IARC Monographs?	OSHA Regulated?
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Signs and Symptoms of Exposure

Medical Conditions Generally Aggravated by Exposure

Emergency and First Aid Procedures

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

Steps to Be Taken in Case Material Is Released or Spilled

Sweep up and place into containers for disposal as appropriate.

Waste Disposal Method

Precautions to Be Taken in Handling and Storing

Silverderm7 is not a hazardous waste as that term is defined in 40 CFR 261. "Identification and listing of Hazardous Waste." Dispose of waste by recovery of metals, incineration, sanitary land fill or other method in accordance with all applicable local, state and federal laws and regulations. Silver is listed in the "National Recovery and Resource Act."

Other Precautions

Handle in accordance with good industrial hygiene and safety practices. These practices include avoiding unnecessary exposure and removal of the material from eyes, skin, and clothing.

**Section VIII - Control Measures**Respiratory Protection (*Specify Type*)

Ventilation	Local Exhaust	Special
	Mechanical ( <i>General</i> )	Other
Protective Gloves	Eye Protection	
Does not present a significant skin concern requiring special protection	Does not cause significant eye irritation or eye toxicity requiring special protection. Use good industrial practice to avoid eye contact.	
Other Protective Clothing or Equipment		
N/A		
Work Hygienic Practices		
Handle in accordance with good industrial hygiene and safety practices. These practices include avoiding unnecessary exposure and removal of the material from eyes, skin, and clothing.		

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