

# MATERIAL SAFETY DATA SHEET

Manufacturer's Name: ALTANA INC.  
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PHARMADERM DIVISION  
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## SECTION 1: IDENTITY

Product Name: Surgilube  
Synonyms: Not applicable.  
CAS #: Not applicable.  
Chemical Family: Pharmaceutical lubricant.  
Formula: Water, Propylene Oxide, Chlorhexidine Gluconate 20%, Acetic Acid, Lavender, Propylene Glycol, Hydroxypropyl Methylcellulose, Polypropylene Glycol, and Sodium Acetate.

## SECTION 2: SAFETY and HAZARD RATINGS

		RATINGS
Health (Acute-Chronic):	1-1	Minimal 0
Flammability:	0	Slight 1
Reactivity:	0	Moderate 2
Environment (Air-Water-Soil):	0-1-0	Severe 3
Special Hazards:	None indicated.	Extreme 4
Protective Equipment:	General ventilation, eye and hand wash.	

## SECTION 3: EMERGENCY and FIRST AID PROCEDURES

Eyes:	Flush immediately with plenty of water for at least 15 minutes.
Skin:	Wash thoroughly with soap and water.
Ingestion:	Give two glasses of water and induce vomiting, if directed by medical personnel. Never give anything by mouth to an unconscious person.
Inhalation:	Remove to fresh air. If breathing is difficult, give oxygen. If breathing has stopped, give artificial respiration. CALL A PHYSICIAN CONTACT A POISON CONTROL CENTER

## SECTION 4: INGREDIENTS

NAME	CAS#	%	CARCINOGEN			HAZARD DATA	
			IARC	NTP	OSHA	ACGIH TLV	OSHA PEL
Water	7732-18-5		no	no	no	not established	
Propylene Oxide	75-56-9	<0.025	yes	yes	yes	2ppm	100ppm
Chlorhexidine Gluconate 20%	18472-51-0		no	no	no	not established	
Acetic Acid	64-19-7		no	no	no	10ppm	10ppm
Lavender	n/a		no	no	no	not established	
Propylene Glycol	57-55-6		no	no	no	not established	
Hydroxypropyl Methylcellulose	9004-65-3		no	no	no	not established	
Polypropylene Glycol	25322-69-4		no	no	no	not established	
Sodium Acetate	6131-90-4		no	no	no	not established	

## SECTION 5: FIRE and EXPLOSION HAZARD DATA

Flash Point:	Not indicated.
Auto-ignition Temperature °F:	Not indicated.
Flammable Limits in Air by Volume LEL:	Not indicated.
UEL:	Not indicated.
Extinguishing Media:	Alcohol foam, Dry chemical, Carbon dioxide, Water spray.
Special Fire Fighting Procedures:	Use self-contained breathing apparatus and protective clothing when firefighting.
Unusual Fire and Explosion Hazards:	Avoid mixing with strong oxidizers and sources of heat.

## SECTION 6: REACTIVITY DATA (PHYSICAL HAZARDS)

Stability:	<input checked="" type="checkbox"/> Stable <input type="checkbox"/> Unstable
Conditions and Chemicals to Avoid:	Avoid heat, flame and oxidizers.
Hazardous Combustion or Decomposition Products:	May emit toxic fumes of carbon when burned (CO, CO <sub>2</sub> ).
Hazardous Polymerization:	<input type="checkbox"/> May Occur <input checked="" type="checkbox"/> Will Not Occur

## SECTION 7: HEALTH HAZARDS

Primary Route(s) of Entry:	Dermal, ingestion.
<u>Signs and Symptoms of Exposure</u>	
a. Overexposure Effects:	a. Practically non-toxic.
b. Chronic Effects:	b. May produce allergic reactions in sensitive individuals. IARC: Propylene Oxide (Vol 60; 1994). NTP: There is clear evidence in mice and some evidence in rats of Propylene Oxide's carcinogenicity (NTP-TR-267,85).
1. Inhalation:	1. None expected under normal conditions of use.
2. Eyes:	2. May cause slight irritation.
3. Skin:	3. None expected under normal conditions of use.
4. Ingestion:	4. May cause mild nausea and/or vomiting.
5. Medical Conditions	5. Irritation of the skin in sensitive individuals.
Potentially Aggravated:	

## SECTION 8: SPECIAL PRECAUTIONS and SPILL/LEAK PROCEDURES

Precautions to be Taken in Handling/Storage:	Keep container closed when not in use. Avoid heat, flame and oxidizers.
Hygienic Practices:	Wash thoroughly after handling. Use normal hygiene to protect hands, eyes and skin. Use general ventilation to protect your lungs. Do not wear contaminated clothing unless thoroughly laundered.
When Material is Released or Spilled:	Assure slippery conditions are nullified. Add sand or dirt. Scoop up and remove to plastic-lined fiber containers immediately. Dispose of in accordance with federal, state and local regulations.
Waste Disposal Methods:	Assure conformity with applicable disposal regulations. Dispose of absorbed material at approved incineration or chemical landfill waste disposal site.

## SECTION 9: SPECIAL PROTECTION INFORMATION

<b>Respiratory Protection:</b>	General ventilation.
<b>Skin Protection:</b>	Normal hygiene.
<b>Eye Protection:</b>	Normal hygiene.
<b>Other Protective Clothing or Equipment:</b>	As needed to prevent repeated/prolonged contact.

## SECTION 10: CONTAINERS and LABELING

<b>Special Precautions:</b>	Keep container closed when not in use. Avoid heat, flame and oxidizers.
<b>Recommended Container:</b>	As supplied (not sold in bulk quantity).
<b>Protect the Container by:</b>	Avoiding physical damage and heat.
<b>Container Should be Handled in an Area with:</b>	Adequate general ventilation.
<b>The Empty Container is:</b>	Not reusable.
<b>Precautionary Label:</b>	None.
<b>Warning Placard:</b>	None.
<b>IMO Hazard Class #:</b>	Not applicable.
<b>UN/NA #:</b>	Not applicable.
<b>Hazard Classification:</b>	Not applicable.
<b>DOT Name:</b>	Not applicable.
<b>Shipping Instructions:</b>	Keep away from heat, flame and oxidizers.

## SECTION 11: ENVIRONMENTAL RISKS

<b>Aquatic Toxicity:</b>	Not indicated.
<b>Biodegradability:</b>	Not indicated.
<b>Partition Coefficient:</b>	Not indicated.

## SECTION 12: REGULATORY INFORMATION

<b>Refer to the following references:</b>	<b>OSHA Regulations:</b> If respirator used, 29 CFR 1910.134 <b>DOT Regulations:</b> Not applicable. <b>EPA Regulations:</b> Not applicable. <b>Other:</b> FDA: 21CFR 330.5 NDC: 0168-0205-02 0168-0205-06 0168-0205-12 0168-0205-36 0168-0205-37 0168-0205-43 0168-0205-45 0168-0205-55
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## SECTION 13: PHYSICAL DATA

<b>Appearance and Odor:</b>	A smooth, translucent gel with a slight odor of lavender.
<b>Molecular Weight:</b>	Not determined.
<b>pH:</b>	4.0 - 7.0
<b>Refractive Index @ 20°C:</b>	Not determined.
<b>Viscosity @ 25°C:</b>	150- 1000 P
<b>Boiling Point:</b>	100°C (212°F)
<b>Freezing/Melting Point:</b>	Not determined.
<b>Congealing Point:</b>	Not determined.
<b>Vapor Pressure (mm Hg @ 20°C):</b>	Not determined.
<b>Vapor Density (Air=1):</b>	Not determined.
<b>Solubility in Water:</b>	Disperses.
<b>Solubility in Alcohol:</b>	Disperses.
<b>Solubility in Oil:</b>	Not determined.
<b>Solubility in Other:</b>	Not determined.
<b>Specific Gravity (H<sub>2</sub>O=1):</b>	1.0 @ 20°C
<b>% Volatile by Volume:</b>	Approximately 85
<b>Evaporation Rate (Ether=1):</b>	0.02

Date of Preparation/Change: <u>November 11, 2004</u>	Revision # <u>2</u>	Replaces <u>December 8, 2000</u>
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It is the reader's responsibility to ascertain whether the information supplied is suitable and complete for that person's specific uses. This Material Safety Data Sheet was prepared for ALTANA INC. by:

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