

0982

HC #09 P.1

MATERIAL SAFETY DATA SHEET

File #: MSDS 738

OPERAND IODINE TOPICAL GEL
 (FORM: As Used in Label and UG)

Section V - Reactivity Data	
Stability	Unstable _____ Stable <input checked="" type="checkbox"/>
Conditions to Avoid	
N/A	

Section I
Manufacturer's Name
 Aplicare, Inc.
Address (Number, Street, City, and ZIP Code)
 P.O. Box 237
 Parkersburg Industrial Park
 Parkersburg, West Virginia 25555

Emergency Telephone Number
 Chemtek (800) 424-8300
Telephone Number for Information
 1-904-486-6668
Date Prepared
 July 2, 2003
Signature of Preparer (optional)

Incompatibility (Materials to Avoid)
 The elemental iodine is corrosive to some metals (e.g. iron), but is not corrosive to stainless steel.
Hazardous Decomposition or Byproducts
 N/A
Hazardous Polymerization
 May Occur _____
 Will Not Occur
Conditions to Avoid
 N/A

Section II - Hazardous Ingredients/Identity Information

Hazardous Components (Specify Chemical Identity, Common Name(s))	OSHA PEL	ACGIH TLV	Other Limits Recommended	% (Optional)
This product contains disodium phosphate and may contain phosphoric acid used as the pH buffering system in a combined concentration of approximately 1.5 to 1.8 percent.				
This product contains no other hazardous ingredients.				

Section VI - Health Hazard Data
Route(s) of Entry: Eyes? Inhalation? N/A Skin? Ingestion? By accidental or intentional means.
Health Hazards (Acute/Chronic)
 Acute Oral Toxicity: Rats LD50 @ 24 hours: 750 mg available iodine/kg. Extrapolation: A 150 lb adult would have to drink one gallon of product to reach lethal dose 50. Overexposure may occur if excessive amount is absorbed through broken skin, burns or deep wounds.
Carcinogenicity For Ingredients: NTP? N/A IARC Monographs? N/A OSHA Regulated? N/A

Section III - Physical/Chemical Characteristics

Boiling Point	203°F	Specific Gravity (Water = 1)	1.042
Vapor Pressure (mm Hg.) (Data in 90% Water)	Negligible	Melting Point	N/A
Vapor Density (AIR = 1) (Data in 90% Water)	>1	Evaporation Rate (Butyl Acetate = 1)	<1
Solubility in Water	Soluble. Water will be tinted brown because of available iodine.		
Appearance and Odor	A dark brown viscous solution with a faint odor characteristic.		

Section VII - Precautions for Safe Handling and Use

Steps to be taken in Case Materials are Released or Spilled
 Large Spills: (55 gallon drums): Spill should be contained and taken up with absorbent material. Do not discharge into waterways or sewer systems.
 Small Spills: Take up with absorbent material or flush with water to sewer system.
Waste Disposal Method
 Dispose of or flush to sewage disposal system in accordance with all regulatory guidelines.

Section IV - Fire and Explosion Hazard Data

Flash Point (Method Used) N/A (Water Solution)	Flammable Limits Non-Flammable	LEL N/A	UEL N/A
Extinguishing Media	No recommendations or restrictions for product		
Special Fire Fighting Procedures	Firefighters should be equipped with self-contained breathing apparatus		
Unusual Fire and Explosion Hazards	Harsh iodine fumes are emitted when product is heated to greater than 178°F (80°C)		

Section VIII - Control Measures

Respiratory Protection (Specify Type) No personal protective equipment needed.
Ventilation Local Exhaust N/A Mechanical (General) N/A
Protective Gloves N/A
Other Protective Clothing or Equipment N/A
Eye Protection: Avoid contact with eyes.
Work/Hygiene Practices: This product is a topical antimicrobial agent for hospital and professional use.

I-117269 C-82-269