

MATERIAL SAFETY DATA SHEET

Apicare Alcohol Prep
IDENTIFY (As used on Label and List)

Section V - Reactivity Data		
Stability	Unstable	Conditions to Avoid
	Stable	None known
		X

Section I
 Manufacturer's Name: Apicare, Inc.
 Address (Number, Street, City, and ZIP Code): 50 East Industrial Road, Branford, CT 06405
 Emergency Telephone Number: Chemtrec (800) 424-9300
 Telephone Number for Information: (203) 461-0500
 Date Prepared: July 1, 2003
 Signature of Preparer (optional):

Section VI - Health Hazard Data
 Incompatibility (Materials to Avoid): Concentrated nitric and sulfuric acids, strong oxidizers, aldehydes and halogen compounds.
 Hazardous Decomposition or Byproducts: N/A
 Hazards: May Occur: Polymerization (Will Not Occur: X)
 Conditions to Avoid: None known.

Section II - Hazardous Ingredient/Identity Information

Hazardous Component (Specify the Exact Identity, Common Name(s))	OSHA PEL	ACGIH TLV	Other Limits Recommended	% (approx)
Isopropyl Alcohol (CAS #67-53-0)	400 ppm			70

Section VII - Precautions for Safe Handling and Use
 Steps to Be Taken in Case Material is Released or Spilled: It is unlikely that this product, when spilled, will cause a problem; packaged as individual packets containing 1 - 2 mL of solution.
 Waste Disposal Method: Any solution that is spilled may be wiped up with toweling and disposed of with garbage.
 Signs and Symptoms of Exposure: If large amount is ingested, stomach cramps, pain, nausea, vomiting, drowsiness and diarrhea may occur. Headache may result from inhalation of an excessive amount.
 Medical Conditions Generally Aggravated by Exposure: Unknown.
 Emergency and First Aid Procedures:
 Eyes: Flush with plenty of water and see a doctor.
 Ingestion: Give a two glasses of water and induce vomiting. Inhaled: Remove to fresh air.

Section III - Physical/Chemical Characteristics

Boiling Point: 176°F	Specific Gravity (Water = 1): 0.878
Vapor Pressure (mm Hg): Approx. 50	Melting Point: N/A
Vapor Density (AIR = 1): 2.1	Evaporation Rate (Butyl Acetate = 1): Unknown
Solubility in Water: Soluble	
Appearance and Odor: A clear, colorless liquid with a pungent, alcohol odor.	

Section VIII - Control Measures
 Respiratory Protection (Specify Type):
 Ventilation: Local Exhaust (X), Mechanical (General) (N/A)
 Protective Gloves: If applied
 Other Protective Clothing or Equipment: None required
 Work/Hygiene Practices: Normal
 No personal protective equipment needed.
 Special: N/A
 Other: N/A
 Eye Protection: If desired.

Section IV - Fire and Explosion Hazard Data

Flash Point (Method Used): 53 F (Closed cup)	Flammable Limits: LEL 2, UEL 12
Extinguishing Media: Dry chemical or alcohol type foam	
Special Fire Fighting Procedures: Use water to cool fire-exposed area. Water spray may be ineffective in fighting fires.	
Unstable Fire and Explosion Hazards: Respiratory protection required for fire fighting personnel. Stay upwind if possible. Vapors may burn, travel and ignite.	

Section V - Reactivity Data
 Precautions to Be Taken in Handling and Storage: Avoid storing in excessive heat (Greater than 104°F).
 Other Precautions: None.

I- 286018 C-61505 ORM-D
 I- 163436 C-61227 ORM-D

I- 152783 C-61100 ORM-D
 I- 150044 C-61104 ORM-D
 I- 150045 C-61106 ORM-D
 I- 046958 C-61107 ORM-D

I- 150046 C-61109 ORM-D
 I- 179070 C-61112 ORM-D
 I- 027146 C-61200 ORM-D
 I- 110256 C-61203 ORM-D

I- 161597 C-61204 ORM-D
 I- 179084 C-61205 ORM-D
 I- 179071 C-61207 ORM-D
 I- 150050 C-61210 ORM-D

MATERIAL SAFETY DATA SHEET

Apicare Iodophor PVP Prep Pads

IDENTIFY (As Used on Label and LHM)

Section V - Reactivity Data		
Stability	Unstable	Conditions to Avoid None known
	Stable	
	X	

Section I	
Manufacturer's Name Apicare, Inc.	Emergency Telephone Number Chemitrek (800) 424-9300
Address (Number, Street, City, and ZIP Code) 50 East Industrial Road Branford, CT 06405	Telephone Number for Information (203) 481-0000
	Date Prepared July 1, 2003
	Signature of Preparer (optional)

Incompatibility (Materials to Avoid) The elemental iodine is corrosive to some metals (i.e. iron), but is not corrosive to stainless steel.	
Hazardous Decomposition or Byproducts N/A	
Hazardous Polymerization	
May Occur	Conditions to Avoid None known.
Will Not Occur	
X	

Section II - Hazardous Ingredients/Identify Information				
Hazardous Components (Specific Chemical Identity; Common Name(s))	OSHA PEL	ACGIH TLV	Other Limits Recommended	% (ppm/%)
Iodine (CAS #7553-56-2)	0.1 ppm			1

Section VI - Health Hazard Data				
Route(s) of Entry	Eyes?	Inhalation?	Skin?	Ingestion?
	X	X	X	X
Health Hazards (Acute/Chronic) May cause irritation to eyes.				
Carcinogenicity				
	NTP? N/A	IARC Monographs? N/A	CSHA Regulated? N/A	
Signs and Symptoms of Exposure May cause irritation of eyes but should not cause irritation of respiratory tract or skin. May be harmful if swallowed.				
Medical Consultation Generally Aggravated by Exposure: Unknown				
Emergency and First Aid Procedures Eyes: Flush with water for 15 minutes and seek physician if irritation persists. Ingestion: Give a suspension of starch or flour in water, induce emesis and call a physician.				

Section III - Physical/Chemical Characteristics			
Boiling Point	212°F	Specific Gravity (Water = 1)	1.04
Vapor Pressure (mm Hg.)	Unknown	Melting Point	N/A
Vapor Density (AIR = 1)	Unknown	Evaporation Rate (Butyl Acetate = 1)	Unknown
Solubility in Water	Soluble.		
Appearance and Odor	A dark brown liquid solution with a faint characteristic odor.		

Section VII - Precautions for Safe Handling and Use	
Steps to be taken in Case Materials is Released or Spilled It is unlikely that this product, when applied, will cause a problem; packaged as individual packets containing 1-2 mL of solution	
Waste Disposal Method Any solution that is spilled may be wiped up with toweling and disposed of with garbage.	

Section IV - Fire and Explosion Hazard Data			
Flash Point: (Method Used) Unknown	Flammable Limits Non-flammable	LEL N/A	UEL N/A
Extinguishing Media Water, carbon dioxide, powder.			
Special Fire Fighting Procedures None specified.			
Unusual Fire and Explosion Hazards Harsh iodine fumes are emitted when product is heated to greater than 176°F (80°C)			

Precautions to be taken in Handling and Storage Avoid storing in excessive heat (Greater than 104°F).	
Other Precautions None.	

SECTION VIII - CONTROL MEASURES			
Respiratory Protection (Specify Type)	No personal protective equipment needed.		
Ventilation (Local Exhaust)	Special	N/A	
	Mechanical (General)	N/A	
Protective Gloves	if desired	Eye Protection:	if desired
Other Protective Clothing or Equipment	None required		
Work/Hygiene Practices	Normal		

SECTION VIII - CONTROL MEASURES			
Respiratory Protection (Specify Type)	No personal protective equipment needed.		
Ventilation (Local Exhaust)	Special	N/A	
	Mechanical (General)	N/A	
Protective Gloves	if desired	Eye Protection:	if desired
Other Protective Clothing or Equipment	None required		
Work/Hygiene Practices	Normal		