

MATERIAL SAFETY DATA SHEET

Section I - Manufacturer's Name		Emergency Telephone Number		Section V - Reactivity Data	
Apicare, Inc.		Chemtrek (800) 424-8300		Stability	
Address (Number, Street, City, and ZIP Code)		Telephone Number for Information		Unstable	
50 East Industrial Road		(203) 461-0500		Stable	
Branch, CT 06405		Date Prepared		X	
		July 1, 2003		Conditions to Avoid	
		Signature of Preparer (optional)		None known	
Section II - Hazardous Ingredient/Identify Information					
Hazardous Component(s) (Specify the chemical identity, common name(s))		OSHA PEL	ACGIH TLV	Other Limits Recommended	% (optional)
Isopropyl Alcohol (CAS #67-53-0)		400 ppm			70
Section III - Physical/Chemical Characteristics					
Boiling Point		Specific Gravity (Water = 1)		0.878	
176°F					
Vapor Pressure (mm Hg)		Melting Point		N/A	
Approx. 50					
Vapor Density (AIR = 1)		Evaporation Rate		Unknown	
2.1 (Butyl Acetate = 1)					
Solubility in Water		Soluble			
Appearance and Odor		A clear, colorless liquid with a pungent, alcohol odor.			
Section IV - Fire and Explosion Hazard Data					
Flash Point (Method Used)		Flammable Limits		LEL	UEL
53 F (Closed cup)				2	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, irritate and ignite.			
Section VI - Health Hazard Data					
Route(s) of Entry		Eyes?	Inhalation?	Skin?	Ingestion?
X		X	N/A	X	Unlikely
Health Hazards (Acute/Chronic)		Slightly toxic if ingested; mildly irritating to eyes, nose and throat.			
Cardiogenicity		NTP?	IARC Monographs?	OSHA Regulated?	
		No	No	No	
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 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.					
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		X			
Local Exhaust		N/A			
Mechanical (General)		N/A			
Protective Gloves		If applied			
Other Protective Clothing or Equipment		None required			
Work/Hygienic Practices		Normal			

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- 046158 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 List)

Section I

Manufacturer's Name
Apicare, Inc.
Address (Number, Street, City, and ZIP Code)
50 East Industrial Road
Branford, CT 06405

Emergency Telephone Number
Chantrex (800) 424-9300
Telephone Number for Information
(203) 481-0000
Date Prepared
July 1, 2003
Signature of Preparer (optional)

Section II - Hazardous Ingredients/Identify Information

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

Section V - Reactivity Data

Stability	Unstable	Conditions to Avoid
Stable		None known

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	Will Not Occur	Conditions to Avoid
		X	None known.

Section VI - Health Hazard Data

Route(s) of Entry	Eyes?	Inhalation?	Skin?	Ingestion?
	X	X	X	Unlikely

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

Section IV - Fire and Explosion Hazard Data

Flash Point: (Method Used)	Flammable Limits	LEL	UEL
Unknown	Non-flammable	N/A	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)			

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.

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.		
Verilator (Local Exhaust)	X	Special	N/A
Mechanical (General)	N/A	Other	N/A
Protective Gloves	If desired	Eye Protection:	If desired
Other Protective Clothing or Equipment	None required		
Work/Hygiene Practices	Normal		