

**MATERIAL SAFETY DATA SHEET**

File #: MSDS 905

**PVP-4 PREPPAINT SOLUTION**  
 IDENTITY (As Used on Label and UFI)

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

**Emergency Telephone Number**  
 Chemtrak (800) 424-9300  
**Telephone Number for Information**  
 1-304-426-5656  
**Date Prepared**  
 July 2, 2003  
**Signature of Preparer (optional)**

**Section II - Hazardous Ingredients/Identity Information**

Hazardous Component (Specify Chemical Identity, Common Name(s))	OSHA PEL	ACGIH TLV	Other Limits Recommended	% (optional)
Iodine (CAS #7553-56-2)	0.1 ppm			1

**Section V - Reactivity Data**  
**Stability** Unstable \_\_\_\_\_  
 Stable \_\_\_\_\_  
 Conditions to Avoid: None known.

**Incompatibility (Materials to Avoid):** Strong Alkali  
**Hazardous Decomposition or Byproducts:** N/A  
**Hazardous Polymerization:** May Occur \_\_\_\_\_  
 Polymerization Will Not Occur \_\_\_\_\_  
 Conditions to Avoid: None known.

**Section VI - Health Hazard Data**

**Routes of Entry:** Eyes? \_\_\_\_\_ Inhalation? \_\_\_\_\_ Skin? \_\_\_\_\_ Ingestion? \_\_\_\_\_  
 For Irritants: x \_\_\_\_\_  
**Health Hazards (Acute/Chronic):** May cause irritation of eyes.

**Carcinogenicity:** NTP? \_\_\_\_\_ IARC Monographs? \_\_\_\_\_ OSHA Regulated? \_\_\_\_\_  
 For Irritants: No No No

**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 Conditions:** Generally Aggravated by Exposure: Overexposure symptoms reflect iodine overexposure. Severe hypematemia and acidosis.

**Emergency and First Aid Procedures:**  
**Eyes:** Flush with water for 15 minutes and seek physician if irritation persists. **Skin:** If irritation develops, discontinue use and seek medical attention. **INGESTION:** Do not induce vomiting. Drink large quantities of water or milk and call physician immediately.

**Section III - Physical/Chemical Characteristics**

Boiling Point	212°F	Specific Gravity (Water = 1)	1.04
Vapor Pressure (mm Hg.)	N/A	Melting Point	N/A
Vapor Density (AIR = 1)	N/A	Evaporation Rate (Butyl Acetate = 1)	Unknown
Solubility in Water	Soluble		

**Appearance and Odor:** A dark brown viscous solution with a faint odor characteristic.

**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:** Water, Carbon Dioxide, Powder

**Special Fire Fighting Procedures:** No special firefighting procedures are indicated.

**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:** Large and small spills: Take up with an absorbent material or flush with water.

**Waste Disposal Method:** Dispose of or flush to sewage disposal system in accordance with all regulatory guidelines.

**Precautions to be taken in Handling and Storing:** Avoid storing in excessive heat (Greater than 104°F).

**Other Precautions:** N/A

**SECTION VIII - CONTROL MEASURES**

**Respiratory Protection (Specify Type):** No personal protective equipment needed.  
**Ventilation:** Local Exhaust \_\_\_\_\_ X \_\_\_\_\_  
 Mechanical (General) \_\_\_\_\_ N/A \_\_\_\_\_  
**Protective Gloves:** \_\_\_\_\_ N/A \_\_\_\_\_  
**Other Protective Clothing or Equipment:** \_\_\_\_\_ N/A \_\_\_\_\_  
**Work/Hygiene Practices:** \_\_\_\_\_ Normal \_\_\_\_\_

I-153719 C-61223 ORM-D  
 I-180953 C-61263 ORM-D  
 I-276858 C-61265 ORM-D

I-213952 C-61515 ORM-D

**MATERIAL SAFETY DATA SHEET**

Apicare Alcohol Prep  
IDENTIFY the Label on Label and Label

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: Chamtrak (800) 424-8300  
 Telephone Number for Information: (203) 451-0500  
 Date Prepared: July 1, 2003  
 Signature of Preparer (optional):

Incompatibility (Materials to Avoid): Concentrated nitric and sulfuric acids, strong oxidizers, aldehydes and halogen compounds.  
 Hazardous Decomposition of Byproducts: N/A  
 Hazardous Polymerization: May Occur (X), Will Not Occur (X)  
 Conditions to Avoid: None known

**Section II - Hazardous Ingredients/Identity Information**

Hazardous Components (Specify Chemical Identity, Common Name(s))	OSHA PEL	ACGIH TLV	Other Limits Recommended	% (optional)
Isopropyl Alcohol (CAS #67-63-0)	400 ppm			70

**Section VI - Health Hazard Data**  
 Route(s) of Entry: Eyes? (X), Inhalation? (N/A), Skin? (X), Ingestion? (Unlikely)  
 Health Hazards (Acute/Chronic): Slightly toxic if ingested; mildly irritating to eyes, nose and throat.  
 Carcinogenicity: NTF? (No), IARC Monographs? (No), OSHA Regulated? (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 few 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. 90	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 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 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 towelling and disposed of with garbage.

**Section IV - Fire and Explosion Hazard Data**

Flash Point (Method Used): 53 F (Closed cup)	Flammable Limits	LEL	UEL
		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.		
Unusual Fire and Explosion Hazards	Respiratory protection required for fire fighting personnel. Stay upwind if possible. Vapors may form, travel and ignite.		

Precautions to Be Taken in Handling and Storing: 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 (X), Mechanical (General) (N/A).  
 Protective Gloves: If desired. Eye Protection: If desired.  
 Other Protective Clothing or Equipment: None required.  
 Work/Hygiene Practices: Normal.