

## SAFETY DATA SHEET (SDS)

### Alcohol Prep Pads (APP)

Revision Date: February 1, 2016

This SDS is issued in accordance with the following requirements:

- (a) Directive 91/155/EC
- (b) OSHA Hazard Communication Standard 29 CFR 1910.1200(g)

### **Section I IDENTIFICATION of the SUBSTANCE and COMPANY INFORMATION**

PRODUCT / TRADE NAME: Alcohol Prep Pad / Swab / Towelett

Manufacturer: Phoenix Healthcare Solutions, LLC.  
2890 W. State Road 84, Suite 105  
Ft. Lauderdale, FL 33312, USA

Contact Information: Abe Wong +1-954-701-8206

Factory Address: Phoenix Innovative Healthcare Manufacturers Pvt. Ltd.  
EL-209, Shil Mahape Road, Electronic Zone, MIDC  
TTC Industrial Area, Mahape, Navi Mumbai – 400 710 India

Factory Telephone: +91-22-26715804

#### **EMERGENCY TELEPHONE NUMBER:**

- CENTER FOR POISON CONTROL -- +1-800-222-1222

RECOMMENDED USE: For preparation of skin prior to injection

RESTRICTIONS ON USE: None

### **Section II HAZARDS IDENTIFICATION**

Hazardous Ingredients	Composition	CAS Number
Isopropyl Alcohol (2-Propanol)	70% v/v	67-63-0

#### PRECAUTIONARY STATEMENTS

General Advise:

- Highly flammable; irritation to eyes; vapor may cause drowsiness and dizziness.

Eyes:

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- Liquid, mist or vapor will cause conjunctivaql irritation and possible corneal damage.

Inhalation:

- Exposure to vapor may have the effect of any of these symptoms: irritation of nose, throat and respiratory track, central nerve system depression.

Storage:

- Eliminate all sources of ignition
- Store away from heat
- Store in well-ventilated area
- Handle as flammable liquid – Follow local, state and federal regulations
- Avoid inhaling vapor – Avoid contact with eyes, skin and clothing
- Wear eye protection if splashing is expected
- Wear appropriate protective clothing
- Use respiratorn if exposure level is high when handling nbulk liquid
- Keep container tightly closed when not in use

Disposal:

- Transfer into suitable containers for recovery or disposal
- Dispose in accordance with all applicable local and national regulations
- Do not remove labels from container until the container has been cleaned
- Do not cut, puncture or weld on or near the container
- Do not incinerate closed containers
- Empty containers may contain hazardous residues

Hazard not otherwise classified (HNOC):

- None

Other information:

- None

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### **Section III COMPOSITION / INFORMATION on INGREDIENTS**

Active Ingredient:

Chemical Name	CAS No.	Weight %	Trade Secret
Isopropyl Alcohol (2-Propanol)	67-63-0	70% v/v	None

In-active Ingredient: Purified Water.

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### **Section IV FIRST-AID MEASURES**

Eye Contact:

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- Immediately flood the eye with plenty of water for at least 15 minutes, holding the eye open.
- Obtain medical attention if soreness or redness persists.

**Skin Contact:**

- Immediately flood the affected skin area with large quantity of water, preferably under a shower.
- Remove contaminated clothing and continue washing.
- Contaminated clothing should be washed thoroughly before re-use.
- Obtain medical attention if blistering of the skin occurs or redness persists.

**Ingestion:**

- Do not induce vomiting.
- Have victim drink several large glasses of water to dilute the stomach contents.
- Give the victim oxygen if he/she has difficulty in breathing.
- Obtain medical attention immediately.

**Inhalation:**

- Remove the victim from exposure immediately.
- Give the victim oxygen if he/she has difficulty in breathing.
- Obtain medical attention immediately.

**NOTES to MEDICAL PERSONNEL**

- Monitor the victim for systemic secondary effects on liver and kidney functions.
- Support and treat as appropriate.

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**Section V FIRE FIGHTING MEASURES**

**Extinguishing Media:**

- Dry Chemical or Alcohol Type Foam, Carbon Dioxide

**Unusual Fire and Explosion Hazards:**

- Class 3 Flammability.
- Vapor can travel a considerable distance to a source of ignition and flashback.
- Flashback can occur if air temperature exceeds flash point.
- Be aware the possibility of re-ignition.
- Keep containers and surroundings cool with water spray.

**Special Fire Fighting Procedures:**

- Handle as Flammable Liquid.
- Use Respiratory Protection.
- Wear full protective clothing for Fire Fighting Personnel.

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## **Section VI ACCIDENTAL RELEASE MEASURES**

Personnel Precautions, Protective Equipment and Emergency Procedures:

- Handle as Flammable Liquid.
- Use Respiratory Protection.
- Wear full protective clothing for Fire Fighting personnel.

Method and Materials for Containment and Cleaning Up:

- Flush small spills with water.
- Contain and absorb large spills using soil, sand, or other inert material.
- Vapor can accumulate in low areas.
- Consider the need for evacuation.
- Prevent the material from entering drains or water courses.

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## **Section VII HANDLING and STORAGE**

Precaution for Safe Storage:

- Handle as Flammable Liquid
- Follow local, state and federal regulations.
- Avoid inhaling vapor.
- Avoid contact with eyes, skin and clothing.
- Wear eye protection if splashing is expected.
- Wear appropriate protective clothing.
- Use respirator if exposure level is high when handling bulk liquid.

Conditions for Safe Storage:

- Eliminate all sources of ignition.
- Store away from heat.
- Store in well ventilated area.
- Keep container tightly closed when not in use.

Incompatibilities:

- None

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## **Section VIII EXPOSURE CONTROLS / PERSONAL PROTECTION**

Control Parameters –

Exposure guidelines:

- OSHA Occupation Exposure Standards PEL 400ppm (980mg/m<sup>3</sup>) 8h TWA
- UK EH40: OES 400ppm (980mg/m<sup>3</sup>) 8h TWA
- UK EH40: OES 500ppm (1225mg/m<sup>3</sup>) 15min TWA
- ACGIH: TLV 200ppm (980mg/m<sup>3</sup>) 8h TWA
- ACGIH: STEL 400ppm (1225mg/m<sup>3</sup>) 15min TWA

Appropriate Engineering Controls –

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Engineering measures:

- None

Recommendations for Individual Protection Measures –

Personal protective equipment:

- Gloves
- Eye and face
- Skin and body protective clothing

Hygiene Measures –

- None

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## **Section IX PHYSICAL AND CHEMICAL PROPERTIES**

Information on basic physical and chemical properties –

- Physical state: Liquid Saturated Towelette / Prep Pad / Swab Stick
- Odor: Alcohol
- Odor threshold: NA
- Color: Clear
- Appearance: Liquid Saturated Towelette / Prep Pad / Swab Stick
- Vapor Density: 2.1 (Air = 1)
- Viscosity (cSt): 2.9 cps at <@2> °C
- Evaporation Rate: Environmental Dependent
- Water Solubility: 100% Complete
- Specific Gravity: 0.88
- Flammability properties: Liquid
- Flammability limits in air: None
- Oxidizing properties: Carbon
- Boiling point: 82°C / 179°F
- Flash point: 12°C / 54°F
- Auto-ignition temperature: 425°C / 797°F
- Freezing point: -88°C / -127°F

Other Information –

- VOC content: 70% v/v

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## **Section X STABILITY AND REACTIVITY**

Chemical stability –

- Stable under normal conditions

Conditions to Avoid –

- None

Incompatibility –

- None

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Hazardous decomposition or by-product –

- Oxides of carbon

Polymerization –

- Will Not Occur

Reactivity –

- Stable under normal conditions

Possibility of hazardous reactions –

- Stable under normal conditions

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## **Section XI TOXICOLOGICAL INFORMATION**

### LIKELY ROUTE OF EXPOSURE

Acute Toxicity –

- Low level of acute toxicity predicted.
- May be harmful by skin absorption.
- Oral LD50 (rat) 5045mg/kg.
- Dermal LD50 (rabbit) 12800mg/kg.
- Inhalation LCLO (rat) 1600ppm 4h.

Chronic Toxicity –

- Carcinogenicity: Material is not classified as to its carcinogenicity to humans (Group 3).
- Sensitization: Experimental studies in animals have provided some evidence of embryo / fetus toxicity and birth defects only at does producing marked maternal toxicity.

STOT –

- Single exposure: None.
- Repeated exposure: Material is not classifiable Chronic / Sub-chronic studies resulted in adverse effects to:
  - Liver, spleen, biochemical effects, brain tissue degeneration, changes in reflex behavior, sensory nerve damage.

Genealogy Toxicity –

- Material is not expected to cause any mutagenic effects.

Reproductive / Developmental Toxicity –

- Material is not expected to cause reproductive or developmental health effects.
- Experimental studies in animals have provided some evidence of embryo / fetus toxicity and birth defects only at does producing marked maternal toxicity.

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## **Section XII ECOLOGICAL INFORMATION**

Ecotoxicity –

- Mobility.

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- If released to soil, material is expected to have very high mobility.
- Persistence / Degradability.
- Material is readily degraded in aerobic aqueous systems.
- Bio-accumulation.
- Low potential for bio-concentration in aquatic organisms.

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### **Section XIII DISPOSAL CONSIDERATIONS**

Waste disposal method –

- Transfer into suitable containers for recovery or disposal.
- Dispose in accordance with all applicable local and national regulations.
- Do not remove labels from container until the container has been cleaned.
- Do not cut, puncture or weld on or near the container.
- Do not incinerate closed containers.
- Empty containers may contain hazardous residues

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### **Section XIV INTERNATIONAL TRANSPORTATION INFORMATION**

- *Product Class:* Class 4.1 with EXEMPTION A-46
- *Package information:* Packing Group II
- **UN Identification Number: UN 3175**
- **IATA Exemption: Special Provision A-46**
- **USDOT Exemption: 49 CFR 172.102 Special Provision 47 and 49 CFR 173.4**
- **IMDG Exemption: IMDG Code Special provision 216**

#### **IATA Special Provision A46**

Mixtures of solids which are not subject to these Regulations and Flammable liquids may be transported under this entry without first applying the classification criteria of Division 4.1, provided there is no free liquid visible at the time the substance is packaged and the packaging is leak proof. Small inner packing consisting of sealed packets containing less than 10 mL of a Packing Group II or III flammable liquid absorbed into a solid material are not subject to these regulations providing there is no free liquid in the packet.

#### **DOT 49 CFR 172.102 Special Provision 47**

#### **DOT 49 CFR 173.4**

Small Quantity Exemption: Not Regulated.

#### **IMDG Code Special Provision 216**

Small inner packaging consisting of sealed packets and articles containing less than 10 mL of a Class 3 liquid in Packing Group II or Packing Group III absorbed onto a solid material are not subject to a hazardous material / dangerous goods provided there is no free liquid in the packet or article.

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## **Section XV REGULATORY and SAFETY INFORMATION**

This product is compliant with the following –

- EU Label: Classification and labeling have been performed according to EU Directive 67/548/EEC and 99/45/EC including amendments
- EU Hazard Symbol and Indication of Danger
- F – Highly flammable
- Xi – Irritant
- R11 – Highly flammable
- R36 – Irritating to eyes
- R67 – Vapors may cause drowsiness and dizziness
- S2 – Keep out of reach of children
- S7 – Keep container tightly closed
- S16 – Keep away from sources of ignition – No smoking
- S24 / S25 – Avoid contact with skin and eyes
- S26 – In case of contact with eyes, rinse immediately with plenty of water and seek medical advice
- US (Federal and State) Regulations and International Chemical Registration Laws TSCA listing
- This product contains ingredients that are listed on or exempt from listing on the EPA Toxic Substance Control Act Chemical Inventory
- This product does not contain any chemicals subject to EPA Title III of the SARA Listing in Sections 302 and 304
- All ingredients in this product are listed on the European Inventory of Existing Commercial Chemical Substance (EINECS Listing) or are exempted from listing
- All ingredients in this product are listed on the Canada Domestic Substance List (DSL Listing)

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## **Section XVI OTHER INFORMATION**

The information and recommendations presented in this SDS are based on sources believed to be accurate.

Phoenix Healthcare Solutions, LLC and Phoenix Innovative Healthcare Manufacturers Pvt. Ltd. (India) both assuming no liability for the accuracy or completeness of this information. It is the user's responsibility to determine the suitability of the information for their particular purposes.

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