

## Safety Data Sheet (SDS)

Date: 25 October, 2018, Revision # 01

This SDS is issued in accordance with the following requirements:

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

### Section 1 CHEMICAL PRODUCT & COMPANY INFORMATION

PRODUCT/TRADE NAME: Alcohol Prep Pad/ Swab Stick/ Towelette

Manufacturer: OptiSource  
40 Sawgrass Drive  
Bellport, NY 11713-1564

Contact Information: 1-800-OptiSource (678-4768)

### Section 2 HAZARDS IDENTIFICATION (IPA)

EU Main Hazards:

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

Absorption:

Eye contact; ingestion; inhalation; skin contact.

Carcinogenic Status:

Not considered carcinogenic by NTP, IARC, and OSHA.

Target Organs:

Central nerves system; skin; eye; liver; respiratory system.

Flammable Liquids	Category 2
Serious Eye damage / Eye Irritation	Category 2A
Specific target organ toxicity (Single exposure)	Category 3
Target organ - Central nervous system (CNS)	Category 3

## Health Effects:

Eyes: Liquid, mist or vapor will cause Conjunctival irritation and possible corneal damage.

Skin - Repeated or prolonged contact may produce defatting of the skin leading to irritation and dermatitis. Liquid may be absorbed through the skin but not in toxicologically significant amounts, unless the contact area is large and under prolonged exposure.

Ingestion - Swallowing a small amount may have the effect of any of these symptoms: irritation of mouth, throat, digestive tract, and central nerves system depression.

Ingestion - A large dose may have the effect of any of these symptoms: dizziness, drowsiness, headache, mental confusion, nerve damage leading to numbness and muscle weakness, fall of blood pressure, liver damage, lung damage.

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

Inhalation - Exposure to vapor at high concentration may have the effects of any of these symptoms: dizziness, drowsiness, headache, mental confusion, lung damage, fall of blood pressure, liver damage, nerve damage leading to numbness and muscle weakness.

## **Section 3 COMPOSITION/INFORMATION ON ACTIVE INGREDIENTS**

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

## **Section 4 FIRST-AID MEASURES**

### Eyes:

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:

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.

## MEDICAL PERSONNEL:

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

## **Section 5 FIRE FIGHTING MEASURES**

Flash Point - 20C / 68°F    Boiling Point - 80°C / 176°F

Extinguishing Media - Dry Chemical or Alcohol Type Foam, Carbon Dioxide

Be aware of the possibility of re-ignition. Keep containers and surroundings cool with water spray.

## 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.

## Special Fire Fighting Procedures -

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

## **Section 6 ACCIDENTAL RELEASE MEASURES (IPA)**

- Flush spills with water
- Contain and absorb 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

## **Section 7 HANDLING AND STORAGE (IPA)**

- 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 respirator if exposure level is high when handling bulk liquid
- Keep container tightly closed when not in use

## Section 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

- 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
- Personal Protective Equipment
  - Gloves
  - Eye
  - Clothing

## Section 9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Liquid Saturated Towelette / Prep Pad / Swab Stick
Color	Clear
Odor	Alcohol
Vapour Density	2.1 (Air= 1)
Viscosity (cSt)	2.9 cps at <@2> °C
Evaporation Range	Environmental Dependant
Water Solubility	Complete
Special Gravity	0.8775

## Section 10 STABILITY AND REACTIVITY (IPA)

Stability	Stable under normal conditions
Conditions to Avoid	None
Incompatibility	None
Hazardous Decomposition or By-product	Oxides of carbon
Polymerization	Will not occur

## Section 11 TOXICOLOGICAL INFORMATION (IPA)

### 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 not expected to cause long-term adverse health effects
- Material not classifiable as to its carcinogenicity to humans (Group 3)
- Chronic / Sub-chronic studies resulted in adverse effects to:
  - Liver, spleen, biochemical effects, brain tissue degeneration, changes in reflex behaviour, 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

## **Section 12 ECOLOGICAL INFORMATION (IPA)**

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

## **Section 13 DISPOSAL CONSIDERATIONS (IPA)**

- 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

## **Section 14 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

## **MDG 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.

## **Section 15 REGULATORY and SAFETY INFORMATION**

This product is compliant with the following:

- EU Label: Classification and labelling 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 16 OTHER INFORMATION

### Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

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