



optimum medical solutions

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**Page:**

1 of 4

# Material Safety Data Sheet

## ALCOHOL PAD

### SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Alcohol Pad	DESCRIPTION: Non-woven saturated with 70% isopropyl alcohol
Recommended Use	Topical skin antiseptic
Supplier Name	Optimum Medical Solutions
Supplier Address	45 Park Square East, Leeds, LS1 2NL

### SECTION 2 - COMPOSITION / INFORMATION ON INGREDIENTS

HAZARDOUS COMPONENTS (Specific Chemical Identity: Common Names)	CAS #'s	v/v %	Weight/pad	Potential Health Effects
Isopropyl alcohol	67-63-0	70	0.3±0.05g	Skin contact, Eye contact
Water	7732-18-5	30	0.15±0.03g	N/A

### SECTION 3 - HAZARDS IDENTIFICATION (Potential Health Effects)

Eye	Irritating, and will injure eye tissue if not removed promptly.
Skin	Low order of toxicity Frequent or prolonged contact may defat and dry the skin, leading to discomfort and dermatitis.
Inhalation (breathing)	Vapour concentrations above recommended exposure levels may be irritating to the eyes and the respiratory tract, may cause headaches and dizziness, could be anesthetic and may have other central nervous system effects
Ingestion (swallowing)	Small amount of liquid aspirated into the respiratory system during ingestion or from vomiting may cause man pneumonia or pulmonary edema.
Signs and symptoms	Take by mouth may cause nausea, vomiting, stomach pains, diarrhea, coma or death
Cancer	N/A
Target organs	N/A
Developmental	N/A
Other comments	N/A
Pre-existing medical conditions	N/A

Innovation through understanding

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# Material Safety Data Sheet

ALCOHOL PAD

Page:

2 of 4

## SECTION 4 - FIRST AID MEASURES

Eyes	Immediately flush eyes with large amount of water for at least 15 minutes. Get prompt medical attention.
Skin	Once contact with the wound, wash immediately with plenty of water.
Inhalation (breathing)	N/A
Ingestion (swallowing)	If swallowed, induce vomiting. Keep at rest. Get prompt medical attention.
Note to physicians	Keep victim warm and quiet.
Protection of first-aiders	Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

## SECTION 5 - FIREFIGHTING MEASURES

Flammable properties	Flash Point: 12 degree celsius OSHA Flammability Class: 3 LEL/UEL: 2.0/12.7(vol%) Auto ignition Temperature: 399 degree celsius
Unusual fire & explosion hazards	N/A
Extinguishing media	Water spray ,foam dry chemical or carbon dioxide
Firefighting instructions	Use water spray to cool fire exposed surfaces and to protect personnel. Shut off fuel to fire. If a leak or spill has not ignited, use water spray to disperse the vapours and to protect men attempting to stop a leak. Either allow fire to burn under controlled conditions or extinguish with alcohol type foam or dry chemical. Try to cover liquid spills with foam Spill fires may be extinguished by flooding with large amounts of water.

## SECTION 6- ACCIDENTAL RELEASE MEASURES

If spilled/released:	Eliminate sources of ignition.
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## SECTION 7- HANDLING AND STORAGE

Handling & storage	Keep container closed. Handle containers with care. Store in a cool, well-ventilated place away from incompatible materials. Do not handle, store or open near an open flame, sources of heat or sources of ignition. Protect material from direct sunlight. This material is not a static accumulator but use proper bonding and/or grounding procedures. Do not pressurize,cut,heat,or weld containers. Empty product containers may contain product residue. Do not reuse empty containers without commercial cleaning or reconditioning.
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### SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering controls	The use of mechanical dilution ventilation is recommended whenever this product is used in a confined space, is heated above ambient temperatures or otherwise to maintain ambient concentration below the recommended threshold exposure limited. Use explosion-proof ventilation equipment.
Respiratory protection	Where concentrations in air may exceed the limits given in this section, it is recommended to use a half face filter mask to protect from overexposure by inhalation. Suitable filter material depends on the amount and type of chemicals being handled in the workplace, but filter material of type "A" or similar may be considered for use.
Skin protection	Protect the wound position when using this product.
Eye/face protection	When handling this product, it is recommended to wear splash resistant goggles.
Other protective equipment	No smoking, keep good health habits

### SECTION 9 - PHYSICAL / CHEMICAL PROPERTIES

Note: Unless otherwise stated, values are determined at 20 degrees Celsius (68 degrees Fahrenheit) and 760 mm Hg (1 atm)

Flash point	12 degree celsius
Flammable/explosive limits (%)	LEL/UEL: 2.0/12.7 vol%
Auto ignition temperature	399 degree celsius
Appearance	Clear colourless
Physical state	Liquid
Odor	Alcohol odor
pH	Not available
Vapor pressure (mm hg):	33 mmHg
Boiling point	80.3 Between 82 and 83 degree celsius
Freezing/melting point	-88.5 degree celsius
Solubility in water	100 wt%
Specific gravity	0.785
Evaporation rate (nbuac=1)	2.5

### SECTION 10 - STABILITY & REACTIVITY

Chemical stability	Stable
Conditions to avoid	N/A
Incompatible materials	Strong Oxidizing agents, acids, acid anhydride, halogen
Hazardous decomposition products	N/A
Hazardous polymerization	N/A

### SECTION 11 - TOXICOLOGICAL INFORMATION

Oral (rat) LD50	5045 mg/kg
Skin (rabbit)	12800 mg/kg

# Material Safety Data Sheet

ALCOHOL PAD

Page:

4 of 4

## SECTION 12 – ECOLOGICAL INFORMATION

Environmental mobility	This product is water soluble and is expected to remain primarily in water
Environmental degradability	This product biodegrades rapidly and is “readily” biodegradable according to OECD guidelines. This substance is expected to be removed in a waster water treatment facility
Ecotoxicity and bioaccumulation	Low acute toxicity to aquatic organisms is expected.

## SECTION 13 - DISPOSABLE CONSIDERATIONS

The following advice only applies to the product as supplied. Combination with other material may well indicate another route or disposal. If in doubt, contact the local Authorities. Empty packaging should be taken for recycling, recovery or disposal through a suitably qualified or licenced contractor. Care should in any case be taken to ensure compliance with national and local regulations.

This product is NOT suitable for disposal by either landfill or via municipal powers, drains, natural streams or rivers. This product is ashless and can be burned directly in appropriate equipment.

## SECTION 14 - TRANSPORT INFORMATION

Dangerous goods code:	32064
UN code:	1219
Packaging groups:	052

## SECTION 15 - REGULATORY INFORMATION

### COMPONENT

Governing Directive:	Dangerous Substances Directive 67/548/EC,as modified.
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### WARNING

S07/09	Keep container tightly closed and in a well ventilated place.
S16	Keep away from sources of ignition-No Smoking
S24/25	Avoid contact with wound and eyes
S26	In case of contact with eyes, flush immediately with plenty of water and seek medical advice.
S33	Take precautionary measures against static discharges
S43B	In case of fire, use sand, earth, chemical powder or alcohol type foam

## SECTION 16 - OTHER INFORMATION

Disclaimer of expressed and implied warranties	<p>The product information contained in this Material Safety Data Sheet was collected from various supplier sources. All product claims and specifications are those of Optimum Medical Solutions Ltd's suppliers and may not have been independently verified by OMS. OMS is not responsible for errors or omissions in, or completeness of the product information.</p> <p>OPTIMUM MEDICAL SOLUTIONS DISCLAIMS ALL WARRANTIES OF ANY KIND OR NATURE, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY OR OF THE SUITABILITY OR FITNESS OF ANY PRODUCT FOR A PARTICULAR PURPOSE</p>
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