

Title: Alcohol Pad Safety Data Sheet

Prepared By: R&D Dept. of Future Diagnostics LLC

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SECTION 1- PRODUCT AND COMPANY IDENTIFICATION


PRODUCT NAME	Alcohol Pad	DESCRIPTION: Non-woven pad saturated with 70% Isopropyl Alcohol
Recommended Use:	Antiseptic for preparation of skin prior to injection	
Supplier Name	Future Diagnostics LLC	
Supplier Address	266 47th Street, Brooklyn, NY 11220	

SECTION 2 - COMPOSITION / INFORMATION ON INGREDIENTS

Ingredients	CAS #	% By Volume	Classification
Isopropyl Alcohol	67-63-0	70%	Eye Damage/Irritation - Category 2, H319 Highly Flammable Liquid and Vapor – Category 2, H225 Specific Target Organ Toxicity –Single Exposure – Category 3, H336
Water	7732-18-5	30%	NOT APPLICABLE

SECTION 3 - HAZARDS IDENTIFICATION (Potential Health Effects)

Classification	Eye Damage/Irritation - Category 2, H319 Highly Flammable Liquid and Vapor – Category 2, H225 Specific target Organ Toxicity –Single Exposure – Category 3, H336
Signal Word	Warning, Danger
Pictogram	
Hazard Statements	Cause serious eye irritation Highly Flammable Liquid and Vapor May cause drowsiness, or dizziness
Precautionary Statements	
Response	If inhaled: Remove person to fresh air and keep comfortable for breathing. If in eyes: Rinse cautiously with water for several minutes. Remove

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	<p>contact lenses, if present and easy to do. Continue rinsing.</p> <p>If eye irritation persists: Get medical advice/attention.</p> <p>In case of fire: Use appropriate media to extinguish.</p>
Prevention	<p>Keep away from heat/sparks/open flames/hot surfaces. - No smoking.</p> <p>Use only in a well-ventilated area.</p>
Storage	<p>Store in a well-ventilated place. Keep cool.</p>
Disposal	<p>Dispose of waste and residues in accordance with local authority requirements.</p>
Ingredients of unknown toxicity	N.A.
Hazards not Otherwise Classified	No Data Available

SECTION 4 - FIRST AID MEASURES

GENERAL ADVICE	<p>Take proper precautions to ensure your own health and safety before attempting rescue and providing first aid. Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.</p>
EYES CONTACT:	<p>Flush eyes with large amounts of water for at least 15 minutes while holding eyelids open. Tilt head to avoid contaminating unaffected eye. Get immediate medical attention.</p>
SKIN CONTACT:	<p>Immediately flush skin with plenty of water while removing contaminated clothing and shoes. Do not reuse clothing or shoes until cleaned. If irritation develops or persists, get medical attention. Wash with soap and water. Do not apply oils or ointments unless ordered by the physician.</p>
INHALATION:	<p>Remove victim to fresh air and keep at rest in a position comfortable for breathing. Seek medical attention if discomfort continues or if you feel unwell.</p>
INGESTION:	<p>If swallowed, call a physician immediately. Rinse mouth and throat thoroughly with water. Do not induce vomiting unless directed to do so by a physician. Never give anything by mouth to an unconscious person. If vomiting occurs spontaneously, keep head below hips to prevent aspiration of liquid into lungs.</p>

SECTION 5 – FIRE FIGHTING MEASURES

FLAMMABLE PROPERTIES:	<p>Flash Point: 21 degree celsius</p> <p>OSHA Flammability Class: 3</p> <p>LEL/UEL: 2.0/12.7(vol%)</p> <p>Auto ignition Temperature: 399 degree celsius</p>
UNUSUAL FIRE & EXPLOSION HAZARDS:	N/A
SUITABLE EXTINGUISHING MEDIA:	<p>In case of fire, use Dry Chemical, Chemical foam, Alcohol - resistant foam, Carbon Dioxide (CO2).</p> <p>Water spray can be used to dilute spills to nonflammable mixtures.</p>

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SUITABLE EXTINGUISHING MEDIA:	Water may be ineffective but should be used to cool fire - exposed structures and vessels. DO NOT USE: Direct water stream.
FIREFIGHTING INSTRUCTIONS:	Protective equipment: Wear protective eyewear, gloves, and clothing. Refer to section 8 Additional information (precautions): Ensure adequate ventilation. Avoid contact with skin, eyes, and clothing. Do not inhale gases, fumes, dust, mist, vapor, and aerosols. Use non - sparking tools and intrinsically safe equipment.

SECTION 6- ACCIDENTAL RELEASE MEASURES


PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES:	Keep away from ignition sources. Protect from heat.
ENVIRONMENTAL PRECAUTIONS:	Do not flush into surface water or sanitary sewer system. Should not be released into the environment
FLAMMABLE SMALL SPILL:	Absorb with an inert dry material and place in an appropriate waste disposal container.
FLAMMABLE LARGE SPILL:	Flammable liquid. Keep away from heat. Keep away from sources of ignition. Stop leak if without risk. Absorb with dry earth, sand or other non - combustible material. Do not touch spilled material. Prevent entry into sewers, basements or confined areas.

SECTION 7- HANDLING AND STORAGE

HANDLING FLAMMABLE:	Keep away from heat. Keep away from sources of ignition. Ground all equipment containing material. Do not ingest. Do not breathe gas/ fumes/ vapor/ spray. Avoid contact with eyes. Wear suitable protective clothing. In case of insufficient, ventilation, wear suitable respiratory equipment. If ingested, seek medical advice immediately and show the container or the label. Keep away from incompatibles, such as oxidizing agents, acids.
STORAGE FLAMMABLE:	Store in a cool location. Store securely in flammable storage area away from sources of ignition. Do not store in Temperatures > 122°F. Provide ventilation for containers. Avoid storage near extreme heat, ignition sources or open flame. Keep container tightly sealed. Protect from freezing and physical damage. Store away from incompatible materials.

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

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	considered for use.
SKIN PROTECTION:	The use and choice of personal protection equipment is related to the hazard of the product, the workplace, and the way the product is handled. In general, we recommend as a minimum safety precaution that safety glasses with side shields and workclothes protecting arms, legs and body be used. In additional, any person visiting an area where this product is handled at processed should at least wear safety glasses with side-shields.
EYE/FACE PROTECTION:	When handling this product, it is recommended to wear splash resistant goggles.
OTHER WORK/HYGIENIC PRACTICE:	No smoking. Handle in accordance with good industrial hygiene and safety practice. Wash thoroughly with soap and water after handling and before eating, drinking, or using tobacco. Safety shower and eye wash should be available close to work areas.


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:	21 degree celsius
FLAMMABLE/EXPLOSIVE LIMITS(%):	LEL/UEL:2.0/12.7 vol%
AUTO IGNITION TEMPERATURE:	399 degree celsius
COLOR	Clear, colorless with characteristic of IPA
SOLUBILITY	Azeotrope
FLAMMABILITY	Flammable
PHYSICAL STATE:	Solid
ODOR:	Isopropyl Alcohol Odour
pH:	Not applicable
VAPOR PRESSURE (kPa):	33 mmHg
BOILING POINT:	Not determined
FREEZING/MELTING POINT:	-88.5 degree celsius
SOLUBILITY IN WATER:	Not available
SPECIFIC GRAVITY:	Not available
EVAPORATION RATE (nBuAc=1):	2.5

SECTION 10 - STABILITY & REACTIVITY

CHEMICAL STABILITY:	No decomposition if used and stored according to specifications. Stable under normal conditions.
CONDITIONS TO AVOID:	Incompatible materials.
INCOMPATIBLE (MATERIALS TO AVOID):	Strong Oxidizing agents, acids, acid anhydride, halogen
INCOMPATIBLE (MATERIALS TO AVOID):	Heat sparks

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INCOMPATIBLE (MATERIALS TO AVOID):	Open flames, Will attach some forms of rubber, plastics and coatings. May react with metallic aluminum and generate hydrogen gas.
HAZARDOUS DECOMPOSITION OR BYPRODUCTS:	Toxic oxides of carbon, acrid and irritating fumes
HAZARDOUS POLYMERIZATION:	N/A
SECTION 11 - TOXICOLOGICAL INFORMATION	
ACUTE TOXICITY: DERMAL	Not available
ACUTE TOXICITY:ORAL(RAT) LD50:	5045mg/kg
ACUTE TOXICITY: INHALATION	Not available
CHRONIC TOXICITY	Not available
CORROSION IRRITATION	Not available
SPECIFIC TARGET ORGAN	Not available
CARCINOGENICITY	Not available
MUTAGENICITY	Not available
REPRODUCTIVE TOXICITY	Not available
SECTION 12 – ECOLOGICAL INFORMATION	
ECOTOXICITY:	Not available
PERSISTENCE AND DEGRADABILITY	Not available
BIOACCUMULATIVE POTENTIAL:	Not available
MOBILITY IN SOIL	Not available
OTHER ADVERSE EFFECTS	This product has acute toxicity with effects of death in animals and low growth rates and death in plants. Chronic toxic effects, may be shortened life span, lower fertility, reproductive problems, and changes in appearance and/or behavior in animals
SECTION 13 - DISPOSABLE CONSIDERATIONS	
WASTE DISPOSAL:	It is the responsibility of the waste generator to properly characterize all waste materials according to applicable regulatory entities. Remove all sources of ignition. Do not flush to sewer. Have fire extinguishing agent available in case of fire. Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. Chemical waste generators must also consult local, regional, and national hazardous waste regulations. Ensure complete and accurate classification.
SECTION 14 - TRANSPORT INFORMATION	
DANGEROUS GOODS CODE:	32064
UN CODE:	1219
UN PROPER SHIPPING NAME:	Not available
DOT CLASSIFICATION	ORM-D Limited Quantity
PACKING GROUP	052

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SECTION 15 - REGULATORY INFORMATION	
GOVERNING DIRECTIVE:	Dangerous Substances Directive 67/548/EC, as modified.
<p>Warning: S07/09 Keep container tightly closed and in a well ventilated place</p> <p>S16 Keep away from sources of ignition. No Smoking</p> <p>S24/25 Avoid contact with skin and eyes.</p> <p>S26 In case of contact with eyes, flush immediately with plenty of water and seek medical advice</p> <p>S33 Take precautionary measures against static discharges</p> <p>S43B In case of fire, use Dry Chemical, Chemical foam, Alcohol-resistant foam, Carbon Dioxide (CO2).</p>	
SECTION 16 - OTHER INFORMATION	
DISCLAIMER OF EXPRESSED AND IMPLIED WARRANTIES	<p>The product information contained in this Safety Data Sheet was collected from various supplier sources. All product claims and specifications are those of Future Diagnostics LLC. 's suppliers and may not have been independently verified by Future. Future is not responsible for errors or omissions in, or completeness of the product information. FUTURE 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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