

## \*\*\*SAFETY DATA SHEET\*\*\*

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### SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

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**PRODUCT NAME:** SELECT® Sterile Alcohol Swabsticks  
**REORDER #:** 988

**DISTRIBUTED BY:** McKesson Medical-Surgical Inc.  
9954 Mayland Drive, Suite 4000  
Richmond, VA 23233

**INFORMATION LINE:** 1-800-777-4908      Monday – Friday 8:00 a.m. – 6:00 p.m. EST

**EMERGENCY PHONE:** 1-800-451-8346 (3E Company) Day or Night

**PRODUCT DESCRIPTION:** Clear colorless liquid

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### SECTION 2: COMPOSITION/INFORMATION OF INGREDIENTS

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<u>INGREDIENT</u>	<u>CAS NO.</u>	<u>%</u>	<u>EXPOSURE LIMITS</u>
Propan-2-ol (Isopropyl Alcohol)	67-63-0	70%	TWA: 400 ppm (983 mg/m <sup>3</sup> ) STEL: 500 ppm (1230 mg/m <sup>3</sup> ) ACGIN: (2002)
Water	N/A	30%	N/A

**SECTION 2 NOTES:** N/A

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### SECTION 3: HAZARDS IDENTIFICATION

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**ROUTES OF ENTRY:** Eyes, Skin, Inhalation

**POTENTIAL HEALTH EFFECTS**

**EYES:** Irritating to the eyes if contact occurs

**SKIN:** N/A

**INGESTION:** N/A

**INHALATION:** Vapors may cause drowsiness and dizziness

**ACUTE HEALTH HAZARDS:** N/A

**CHRONIC HEALTH HAZARDS:** N/A

**MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:** N/A

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**CARCINOGENICITY**

**OSHA:** N/A

**ACGIH:** N/A

**NTP:** N/A

**IARC:** N/A

**OTHER:** N/A

**SECTION 3 NOTES:** N/A

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### SECTION 4: FIRST-AID MEASURES

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**EYES:** Immediately flush eyes with large amounts of water for at least 15 minutes. Get prompt medical attention.

**SKIN:** Flush with large amounts of water; use soap if available. Remove grossly contaminated clothing, including shoes, and launder before reuse.

**INGESTION:** If swallowed, DO NOT induce vomiting. Keep at rest. Get prompt medical attention.

**INHALATION:** Using proper respiratory protection, immediately remove the affected victim from exposure. Administer artificial respiration if breathing is stopped. Keep at rest. Call for prompt medical attention.

**NOTES TO PHYSICIANS OR FIRST AID PROVIDERS:** N/A

**SECTION 4 NOTES:** N/A

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## SECTION 5: FIRE-FIGHTING MEASURES

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**FLAMMABLE LIMITS IN AIR, UPPER:** 12  
(% BY VOLUME)      **LOWER:** 1.8

**FLASH POINT:** 12°C  
**METHOD USED:** N/A

**AUTOIGNITION TEMPERATURE:** >350°C

**NFPA HAZARD CLASSIFICATION**

**HEALTH:** N/A      **FLAMMABILITY:** N/A      **REACTIVITY:** N/A  
**OTHER:** N/A

**HMIS HAZARD CLASSIFICATION**

**HEALTH:** N/A      **FLAMMABILITY:** N/A      **REACTIVITY:** N/A  
**PROTECTION:** N/A

**EXTINGUISHING MEDIA:** Water spray, alcohol foam, dry chemical

**SPECIAL FIRE FIGHTING PROCEDURES:** 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 vapors 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.

**UNUSUAL FIRE AND EXPLOSION HAZARDS:** Extreme hazard. Leaks of gas or spills of liquid can form flammable mixtures at temperatures at or above the flash point.

**HAZARDOUS DECOMPOSITION PRODUCTS:** No unusual decomposition products will be formed

**SECTION 5 NOTES:** N/A

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## SECTION 6: ACCIDENTAL RELEASE MEASURES

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**LAND SPILL:** Eliminate sources of ignition. Warn occupants of downwind areas of fire and explosion hazard. Prevent liquid from entering sewers, watercourses, or low areas. Keep public away. Shut off source if possible to do so without hazard. Advise authorities if substance has entered a watercourse or sewer or has contaminated soil or vegetation. Take measures to minimize the effect on the ground water. Contain spilled liquid with sand or earth. Dilute contained spill with water. Recover by pumping (use an explosion proof or hand pump) or with a suitable absorbent. If liquid is too viscous for pumping, scrape up with shovels or pails and place in suitable container for recycle or disposal. Consult an expert on disposal of recovered material and ensure conformity to local disposal regulations.

**WATER SPILL:** Eliminate sources of ignition. Warn occupants and shipping in downwind areas oil, fire and explosion hazard and request them to stay clear. Hose over spill area to effect dilution of water soluble material. Consult an expert on disposal of any recovered material and ensure conformity to local disposal regulations.

**SECTION 6 NOTES:** N/A

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## SECTION 7: HANDLING AND STORAGE

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**HANDLING:** Keep containers closed. Handle containers with care. Open slowly in order to control possible pressure release.

**STORAGE:** Store in a cool, well-ventilated place away from incompatible materials.

**STORAGE TEMPERATURE:** Ambient

**STORAGE/TRANSPORT PRESSURE:** Atmospheric

**MATERIALS/COATINGS SUITABLE:** Carbon steel, stainless steel, polyethylene, polypropylene, polyester, Teflon

**MATERIALS/COATINGS UNSUITABLE:** Natural rubber, butyl rubber, E F D M, polystyrene

**OTHER PRECAUTIONS:** 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. Container remains hazardous when empty—continue to observe all precautions.

**SECTION 7 NOTES:** N/A

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**SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

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**ENGINEERING CONTROLS:**

**VENTILATION:** The use of mechanical 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, by filter material of type "A" or similar may be considered for use.

**EYE PROTECTION:** When handling this product, it is recommended to wear splash resistant goggles.

**SKIN PROTECTION:** When handling this product, it is recommended to wear chemical resistant gloves. The choice of suitable protective gloves depends on work conditions and what chemicals are handled, but we have positive experience with gloves made of Nitrile. Gloves should be replaced immediately if signs of degradation if observed.

**OTHER PROTECTIVE CLOTHING OR EQUIPMENT:** See Special Advice

**SPECIAL ADVICE:** The use and choice of personal protective 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 work clothes protecting arms, legs and body be used. In addition, any person visiting an area where this product is handled and processed should at least wear safety glasses with side-shields.

**EXPOSURE GUIDELINES:** Isopropyl Alcohol—TWA: 400 ppm (983 mg/m<sup>3</sup>); STEL: 500 ppm (1230 mg/m<sup>3</sup>); ACGIH: (2002)

**SECTION 8 NOTES:** N/A

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**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

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**APPEARANCE & ODOR:** Clear, colorless liquid with an alcohol odor

**PHYSICAL STATE:** Liquid

**PH AS SUPPLIED:** N/A

**PH (Other):** N/A

**BOILING POINT:** between 82°C and 83°C

**MELTING POINT:** -85°C

**FREEZING POINT:** -85°C

**VAPOR PRESSURE (mmHg):** 4.3 kpa  
@ 20°C

**VAPOR DENSITY (AIR = 1):** >1.00  
@ 101.3 kpa/arial

**SPECIFIC GRAVITY (H<sub>2</sub>O = 1):** 0.785  
@ N/A

**EVAPORATION RATE:** 2.500

**BASIS (=1):** N/A

**SOLUBILITY IN WATER:** 100%

PERCENT SOLIDS BY WEIGHT: N/A

PERCENT VOLATILE: N/A  
BY WT/ N/A BY VOL @ N/A

VOLATILE ORGANIC COMPOUNDS (VOC): N/A

WITH WATER: N/A LBS/GAL  
WITHOUT WATER: N/A LBS/GAL

MOLECULAR WEIGHT: 60 (Calculated)

VISCOSITY: 2.63  
@ 25°C

SECTION 9 NOTES: N/A

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## SECTION 10: STABILITY AND REACTIVITY

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### STABLE

### UNSTABLE

STABILITY: X

CONDITIONS TO AVOID (STABILITY): N/A

INCOMPATIBILITY (MATERIAL TO AVOID): Strong oxidizing agents

HAZARDOUS DECOMPOSITION OR BY-PRODUCTS: None

HAZARDOUS POLYMERIZATION: Will not occur

CONDITIONS TO AVOID (POLYMERIZATION): N/A

SECTION 10 NOTES: N/A

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## SECTION 11: TOXICOLOGICAL INFORMATION

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### ACUTE:

**INHALTION:** Vapor 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

**SKIN CONTACT:** Low order of toxicity; Frequent or prolonged contact may defat and dry the skin, leading to discomfort and dermatitis

**EYE CONTACT:** Irritating, and will injure eye tissue if not removed promptly

**INGESTION:** Small amount of liquid aspirated into the respiratory system during ingestion or from vomiting may cause bronchopneumonia or pulmonary edema

SECTION 11 NOTES: N/A

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## SECTION 12: ECOLOGICAL INFORMATION

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**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 wastewater treatment facility.

**ECOTOXICITY AND BIOACCUMULATION:** Low acute toxicity to aquatic organisms is expected

SECTION 12 NOTES: N/A

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**SECTION 13: DISPOSAL CONSIDERATIONS**

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**WASTE DISPOSAL METHOD:** 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 affiliate or local authorities. Empty packaging should be taken for recycling, recovery or disposal through a suitably qualified or licensed contractor. Care should in any case be taken to ensure compliance with national 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.

**RCRA HAZARD CLASS:** N/A

**SECTION 13 NOTES:** N/A

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**SECTION 14: TRANSPORT INFORMATION**

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**U.S. DEPARTMENT OF TRANSPORTATION**

**PROPER SHIPPING NAME:** ISOPROPANOL (ISOPROPYL ALCOHOL), CLASS 3, UN 1219, PG II, (12DegC c.c.)

**HAZARD CLASS:** 3

**DOT SHIPPING ID NUMBER:** 1219

**DOT PACKING GROUP:** II

**HAZCHEM CODE:** 2YE

**WATER TRANSPORTATION**

**PROPER SHIPPING NAME:** ISOPROPANOL (ISOPROPYL ALCOHOL), 3, UN 1219, PG II, (12DegC c.c.)

**HAZARD CLASS:** 3

**UN NUMBER:** 1219

**PACKING GROUP:** II

**MARINE POLLUTANT:** NO

**EMS NUMBER:** F-E, S-D

**AIR TRANSPORTATION**

**PROPER SHIPPING NAME:** ISOPROPANOL (ISOPROPYL ALCOHOL)

**HAZARD CLASS:** 3

**SHIPPING ID NUMBER:** 1219

**PACKING GROUP:** II

**SECTION 14 NOTES:** N/A

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**SECTION 15: REGULATORY INFORMATION**

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**U.S. FEDERAL REGULATIONS**

**TSCA (TOXIC SUBSTANCE CONTROL ACT):** N/A

**CERCLA (COMPREHENSIVE RESPONSE COMPENSATION, AND LIABILITY ACT):** N/A

**311/312 HAZARD CATEGORIES:** N/A

**313 REPORTABLE INGREDIENTS:** N/A

**STATE REGULATIONS:** N/A

**INTERNATIONAL REGULATIONS:** N/A

**CLASSIFICATION AND LABELLING ACCORDING TO EC DIRECTIVES:** HIGHLY FLAMMABLE/F; IRRITANT/Xi

**GOVERNING DIRECTIVE:** Dangerous Substance Directive 67/548/EC, as modified

**NATURE OF SPECIAL RISK:**

RLL Highly Flammable

R36 Irritating to Eyes

R67 Vapors may cause drowsiness and dizziness

**SAFETY ADVICE:**

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 skin or eyes
S26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S33	Take precautionary measures against static discharges
S43B	In cause of fire, use sand, earth, chemical powder or alcohol type foam

**SECTION 15 NOTES:** N/A

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**SECTION 16: OTHER INFORMATION**

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**OTHER INFORMATION:** N/A

**PREPARATION INFORMATION:** N/A

**DISCLAIMER:** This information relates onto to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. The information and recommendations contained herein are to the best of the manufacturer's knowledge and belief accurate and reliable as of the date indicated. No representation warranty or guarantee, however, is made with regards to accuracy, reliability or completeness. Conditions of use of the material are under the control of the user; therefore, it is the user's responsibility to satisfy itself as to the suitability and completeness of such information for its own particular use. Appropriate warnings and safe-handling procedures should be provided to handlers and users.