



SDS DATE: 10.27.15

*** SAFETY DATA SHEET***

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: SELECT® Lemon Glycerin Swabsticks
REORDER #: 989

MANUFACTURED FOR: McKesson Medical Surgical, Inc.
9954 Mayland Drive
Richmond, VA 23233

INFORMATION LINE: 1-800-777-4908

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

PRODUCT DESCRIPTION: Colorless, viscous liquid

SECTION 2: COMPOSITION/INFORMATION OF INGREDIENTS

INGREDIENT	CAS NO.	%	EXPOSURE LIMITS
Glycerin	50-81-5	30%~35%	N/A
Lemon fragrance essence	N/A	0.1%	N/A
Water	N/A	Balance	N/A

SECTION 2 NOTES: N/A

SECTION 3: HAZARDS IDENTIFICATION

ROUTES OF ENTRY: N/A

POTENTIAL HEALTH EFFECTS

EYES: N/A

SKIN: N/A

INGESTION: N/A

INHALATION: N/A

ACUTE HEALTH HAZARDS: N/A

CHRONIC HEALTH HAZARDS: N/A

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: N/A

CARCINOGENICITY

OSHA: N/A

ACGIH: N/A

NTP: N/A

IARC: N/A

OTHER: N/A

SECTION 3 NOTES: See Section 11: TOXICOLOGICAL INFORMATION

SECTION 4: FIRST-AID MEASURES

EYES: N/A

SKIN: N/A

INGESTION: Non-toxic

INHALATION: N/A

NOTES TO PHYSICIANS OR FIRST AID PROVIDERS: N/A

SECTION 4 NOTES: N/A

SECTION 5: FIRE-FIGHTING MEASURES

FLAMMABLE LIMITS IN AIR, UPPER: N/A
(% BY VOLUME) LOWER: N/A

FLASH POINT: 177°C
METHOD USED: N/A

AUTOIGNITION TEMPERATURE: 370°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 type foam, dry chemical

SPECIAL FIRE FIGHTING PROCEDURES: Use water spray to cool 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 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: Blasting Dangerous: This product can be fired, with irritation. Hazardous characteristics: case of fire, combustible high heat

HAZARDOUS DECOMPOSITION PRODUCTS: N/A

SECTION 5 NOTES: N/A

SECTION 6: ACCIDENTAL RELEASE MEASURES

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 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 container 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 of 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

SECTION 7: HANDLING AND STORAGE

HANDLING: Keep container 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

ELECTROSTATIC ACCUMULATION HAZARD: No, but use proper grounding procedure

MATERIALS AND COATINGS SUITABLE: Glass

OTHER PRECAUTIONS: Do NOT handle, store or open near an open flame, sources of heat or sources of ignition. Protect material from direct sunlight. Do NOT pressurize, cut, heat or weld containers. Empty 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. This material is not a static accumulator, but use proper bonding and/or grounding procedures.

SECTION 7 NOTES: N/A

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS:

VENTILATION: 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 the 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 of chemical being handled in the workplace, but 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 sign of degradation is observed.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: See general advice

GENERAL 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: N/A

SECTION 8 NOTES: N/A

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE & ODOR: Colorless, viscous liquid

PHYSICAL STATE: Liquid

pH AS SUPPLIED: N/A

pH (Other): N/A

BOILING POINT: 290.9°C

MELTING POINT: 18.18°C

FREEZING POINT: N/A

SATURATED VAPOR PRESSURE (mmHg): 0.4 kPa
@ 20°C

RELATIVE VAPOR DENSITY (AIR = 1): 3.1
@ N/A

RELATIVE DENSITY (WATER=1): 1.26331
@ 20°C

SPECIFIC GRAVITY (H₂O = 1): N/A
@ N/A

EVAPORATION RATE: N/A

BASIS (=1): N/A

SOLUBILITY IN WATER: Miscible in ethanol and water easily, insoluble in chloroform, ether, carbon disulfide, benzene, oils; soluble in some inorganic

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: N/A

VISCOSITY: 1412mPa
@ 20°C

SECTION 9 NOTES: Pure glycerol is forbidden to use directly. As the role of water—glycerol, which can increase blood volume, which could cause drowsiness, nausea and other symptoms. These symptoms during pregnancy, high blood pressure, diabetes, kidney blood volume or blood pressure, itself a relatively high cases, more evident. Therefore, when suffering from the above diseases or in a special physiological period of pregnancy, please avoid taking glycerol.

SECTION 10: STABILITY AND REACTIVITY

STABLE

UNSTABLE

STABILITY: X

CONDITIONS TO AVOID (STABILITY): N/A

INCOMPATIBILITY (MATERIAL TO AVOID): Heat

HAZARDOUS DECOMPOSITION OR BY-PRODUCTS: N/A

HAZARDOUS POLYMERIZATION: Will not occur

CONDITIONS TO AVOID (POLYMERIZATION): N/A

SECTION 10 NOTES: N/A

SECTION 11: TOXICOLOGICAL INFORMATION

ACUTE:

SKIN AND EYE CONTACT: Non-irritating in eyes and skin

INGESTION: Non-toxic

SECTION 11 NOTES: N/A

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 wastewater treatment facility.

ECOTOXICITY AND BIOACCUMULATION: Non-toxicity to aquatic organisms is expected

SECTION 12 NOTES: N/A

SECTION 13: DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: The following advice only applies to the product as supplied: Combination with other materials may well indicate another route of disposal. If in doubt, contact the local affiliate or your 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

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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.

RCRA HAZARD CLASS: N/A

SECTION 13 NOTES: N/A

SECTION 14: TRANSPORT INFORMATION

U.S. DEPARTMENT OF TRANSPORTATION

PROPER SHIPPING NAME: N/A
HAZARD CLASS: N/A
DOT SHIPPING ID NUMBER: N/A
DOT PACKING GROUP: N/A
DOT LABEL STATEMENT: N/A

WATER TRANSPORTATION

PROPER SHIPPING NAME: N/A
HAZARD CLASS: N/A
ID NUMBER: N/A
PACKING GROUP: N/A
LABEL STATEMENTS: N/A

AIR TRANSPORTATION

PROPER SHIPPING NAME: N/A
HAZARD CLASS: N/A
ID NUMBER: N/A
PACKING GROUP: N/A
LABEL STATEMENTS: N/A

SECTION 14 NOTES: Common conveyance

SECTION 15: REGULATORY INFORMATION

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

SECTION 15 NOTES: N/A

SECTION 16: OTHER INFORMATION

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.