



MATERIAL SAFETY DATA SHEET					
PRODUCT NAME (as it appears on label)	MSDS OF (Benzalkonium Chloride) BZK Swabsticks			DESCRIPTION: First aid to help reduce the risk of infection in minor cuts, scrapes and burns.	
ISSUED BY:	Ivy Jiang			DATE PREPARED:	2022-06-07
HEALTH HAZARDS:	Not classified				
PHYSICAL HAZARDS:	Not classified				
PHYSICAL FORM:	Cotton swab saturated with BZK				
APPEARANCE:	Clear, colorless				
ODOR:	Characteristic				
HMS RATING (concentrate)	HEALTH: 2 REACTIVITY: 0 FLAMMABILITY: 3 PERSONAL: 0				
HAZARD RATING: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Extreme A = Safety Glasses B = Safety Glasses & Gloves					
SECTION 2 - COMPOSITION / INFORMATION ON INGREDIENTS					
HAZARDOUS COMPONENTS (Formula Feeding Ratio) (Specific Chemical Identity: Common Names)	CAS #'s	OSHA PEL	ACHIH TLV	Other Limits Recommended	% (Optional)
BZK	68391-01-5				0.5
Sodium Bicarbonate	144-55-8				0.05
Purified Water	7732-18-5				99.45
Concentration in solution					
BZK					0.13
N/A = Not Applicable N/E = Not Established N/D = Not Determined N/L = Not Listed					
Note: State, local or other agencies or advisory groups may have established more stringent limits. Consult an industrial hygienist or similar professional, or your local agencies, for further information.					
SECTION 3 - HAZARDS IDENTIFICATION (Potential Health Effects)					
EYE:	Flush with cool water. Remove contact lenses, if applicable, and continue flushing. Obtain medical attention if irritation persists.				
SKIN:	·Low order of toxicity ·Frequent or prolonged contact may defat and dry the skin leading to discomfort and dermatitis.				
INHALATION (BREATHING):	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.				
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:	Take by mouth may cause nausea, vomiting, stomach pains, diarrhea, coma or death				

AMSINO.

TARGET ORGANS:	N/A
DEVELOPMENTAL:	N/A
OTHER COMMENTS:	N/A
PRE-EXISTING MEDICAL CONDITIONS:	N/A

SECTION 4 - FIRST AID MEASURES

Eyes:	Flush with cool water. Remove contact lenses, if applicable, and continue flushing. Obtain medical attention if irritation persists.
SKIN:	In case of skin irritation, discontinue use of product.
INHALATION (BREATHING):	Move to fresh air. If symptoms persist, obtain medical attention.
INGESTION (SWALLOWING):	Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person Get prompt medical attention.
NOTE TO PHYSICIANS:	Symptoms may be delayed

SECTION 5 - FIREFIGHTING MEASURES

FLAMMABLE PROPERTIES:	N/A
UNUSUAL FIRE & EXPLOSION HAZARDS:	N/A
EXTINGUISHING MEDIA:	Water spray, foam dry chemical or carbon dioxide
FIREFIGHTING INSTRUCTIONS:	<p>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.</p> <ul style="list-style-type: none"> ·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.
-----------------------------	---------------------------------

SECTION 7- HANDLING AND STORAGE

HANDLING & STORAGE:	<ul style="list-style-type: none"> ·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.
--------------------------------	--



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:	N/A
EYE/FACE PROTECTION:	N/A
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)

DENSITY	0.989 g/cm ³
BOILING POINT	100°C
MELTING POINT	-5°C
MOLECULAR FORMULA	C ₂₂ H ₄₀ ClN
FLASHING POINT:	>100°C
APPEARANCE:	Clear, colorless
PHYSICAL STATE:	Liquid
WATER SOLUBILITY	Miscible with water, methanol and acetone.
ODOR:	Characteristic
pH:	Not available
VAPOR PRESSURE (mm Hg):	Not available
FREEZING/MELTING POINT:	Not available
EVAPORATION RATE (nBuAc=1):	Not available

SECTION 10 - STABILITY & REACTIVITY

CHEMICAL STABILITY:	Stable under recommended storage conditions
CONDITIONS TO AVOID:	Do not mix with other chemicals.
INCOMPATIBLE MATERIALS:	Caustics, acids, oxidizers
HAZARDOUS DECOMPOSITION PRODUCTS:	May include and are not limited to: oxides of carbon; hydrogen chloride.
HAZARDOUS POLYMERIZATION:	Will not occur.

SECTION 11 - TOXICOLOGICAL INFORMATION

Eye	May cause irritation
Skin	In case of skin irritation, discontinue use of the product.
Inhalation	Not a normal route of exposure. May cause respiratory tract irritation.
Ingestion	Not a normal route of exposure. May cause stomach distress, nausea or vomiting.



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 waste 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 licensed 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 ash free and can be burned directly in appropriate equipment.

This product should be disposed of in accordance with all applicable local and national regulations and to dispose of containers with care.

Dispose of in accordance with local regulations.

SECTION 14 - TRANSPORT INFORMATION

U.S. Department of Transportation (DOT) No regulated as dangerous goods.

Transportation of Dangerous Goods(TDG-Canada) Not regulated as dangerous goods.

SECTION 15 - REGULATORY INFORMATION

COMPONENT	
GOVERNING DIRECTIVE:	Dangerous Substances Directive 67/548/EC, as modified.

Warning:

S07/09 Keep container tightly closed and in a 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

EPA (CERCLA) Reportable Quantity:

SECTION 16 - OTHER INFORMATION

DISCLAIMER OF EXPRESSED AND IMPLIED WARRANTIES	The product information contained in this Material Safety Data Sheet was collected from various supplier sources. All product claims and specifications are those of Co ukpq" J gcnj ectg"Uj cpi j ck^Eq0'Nf 0 suppliers and may not have been independently verified by Co ukpq. Co ukpq is not responsible for errors or qo kukqpu'lp."qt" completeness of, the product information. ALL WARRANTIES OF CP['MR F'QT NATURE, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY OR OF THE SUITABILITY OR FITNESS OF ANY PRODUCT FOR A PARTICULAR PURPOSE
---	--