

Issuing date:

Revision date:

Revision number:

1. Identification of the substance/preparation and the company/undertaking

GHS product identifier

Product name: BZK Towelette

Other mean of identification

Product code(s): MW-ABZK

UN-Number: UN

Synonyms: None

Recommended use of the chemical and restrictions on use

Recommended use: Not available

Uses advised against: Not available

Supplier address/information

Cardinal Health
7000 Cardinal Place
Dublin, Ohio 43017
877.CARDINAL (877.227.3462)

Emergency telephone number: CHEMTREC 800.424.9300

2. Hazards Identification

Classification

This chemical is considered hazardous according to the OSHA Hazard Communication Standard 2012 (29 CFR 1910.1200)

Hazard identifier

Category

Benzalkonium Chloride

Not available

GHS label elements, including precautionary statements

Not available

Emergency overview

Signal Word CAUTION

Irritating to eyes.

Contains a potential mutagen.

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Precautionary statements

General advice: If you feel unwell, seek medical advice (show the label where possible). Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance. Avoid contact with eyes. Keep out of reach of children.

Eyes: Causes irritation.

Inhalation: Not a normal route of exposure. May cause respiratory tract irritation.

Storage: store in normal temperature warehouse.

Disposal: Discard after single use.

Review federal, state/provincial, and local government requirements prior to disposal.

Discard with solid waste. Dispose in accordance with all applicable regulations.

Hazard not otherwise classified (HNOC): Not available

Other information: Not available

3. Composition/Information on ingredients

Chemical name	CAS-No	Weight %	Trade Secret
Benzalkonium Chloride	8001-54-5	0.1-0.5	Local

4. First aid measures**Description of necessary first-aid measures**

Eye contact: Flush with cool water. Remove contact lenses, if applicable, and continue flushing. Obtain medical attention if irritation persists.

Skin contact: In case of skin irritation, discontinue use of product.

Inhalation: Not a normal route of exposure. If symptoms develop move victim to fresh air. If symptoms persist, obtain medical attention.

Ingestion: Not a normal route of exposure. Do not induce vomiting. Never give anything by mouth if victim is unconscious, or is convulsing. Obtain medical attention.

Most important symptoms/effects, acute and delayed

Most important symptoms/effects: Not available

Indication of immediate medical attention and special treatment needed, if necessary

Notes to Physician:

Symptoms may be delayed.

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5. Fire-fighting measures

Suitable extinguishing media: Water spray, foam dry chemical or carbon dioxide

Unsuitable extinguishing media: Not available

Specific hazards arising from the chemical: Not available

Explosion data: Not available

Protective equipment and precautions for firefighters: Firefighters should wear full protective clothing including self contained breathing apparatus.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

Keep unnecessary personnel away. Do not touch or walk through spilled material. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Keep people away from and upwind of spill/leak

Environmental precautions: Not available

Methods and materials for containment and cleaning up

- Methods for containment: Prevent entry into waterways, sewers, basements or confined areas.
- Methods for cleaning up: Pick up and discard towel.

7. Handling and storage

Precautions for safe handling

Handling:

Use good industrial hygiene practices in handling this material.

Conditions for safe storage, including any incompatibilities

Storage:

Keep out of reach of children. Store in a closed container away from incompatible materials.

Incompatible products: Not available

8. Exposure controls/personal protection

Control parameters

Exposure guidelines

Chemical name

ACGIH TLV

OSHA PEL

NIOSH IDLH

Benzalkonium Chloride

Not available

Not available

Not available

Appropriate engineering controls

Engineering measures: Not available

Individual protection measures, such as personal protective equipment

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Eye/face protection:

Follow standard industrial hygiene practices.

Skin and body protection:

As required by employer code.

Respiratory protection:

Where exposure guideline levels may be exceeded, use an approved NIOSH respirator.

Hygiene measures:
not eat or drink.

Handle in accordance with good industrial hygiene and safety practice. When using do

9. Physical and chemical properties**Information on basic physical and chemical properties**

Physical state:

Liquid

Odor:

None

Appearance:

Colorless

Odor threshold:

Not available

Property	Values	Remarks/Method
pH	Not available	
Melting point/range	Not available	
Boiling point/boiling range	Not available	
Flash point	Not available	
Evaporation rate	Not available	
Flammability (solid, gas)	Not available	
Flammability limits in air	Not available	
-upper flammability limit	Not available	
-lower flammability limit	Not available	
Vapor pressure	Not available	
Vapor density	Not available	
Specific gravity	Not available	
Water solubility	Not available	
Solubility in other solvents	Pad is not soluble	
Partition coefficient: n-octanol/water	Not available	
Autoignition temperature	Not available	
Decomposition temperature	Not available	
Viscosity	Not available	
Flammable properties	Not available	
Explosive properties	Not available	
Oxidizing properties	Not available	

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Other information

VOC content (%): Not available

10. Stability and reactivity**Reactivity**

Not available

Chemical stability

Stable under recommended storage conditions.

Possibility of hazardous reactions

Hazardous polymerization does not occur if stored and used according to the regular rule.

Conditions to avoid

Do not mix with other chemicals.

Incompatible materials

Not available

Hazardous decomposition products

Carbon monoxide, Carbon dioxide

11. Toxicological information**Information on likely routes of exposure**

Product information:

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

Chemical name**LD50 oral****LD50 dermal****LC50 inhalation****Benzalkonium
Chloride**

550mg/kg

750mg/kg

Not available

Symptoms related to the physical, chemical and toxicological characteristics

List symptoms

Delayed and immediate effects and also chronic effects from short and long term exposure

- Sensitization: Non-hazardous by WHMIS/OSHA criteria.
- Mutagenic effects: Not available
- Carcinogenicity: Not available
- Reproductive toxicity: Not available

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- STOT – single exposure: Not available
- STOT – repeated exposure: Not available
- Aspiration hazard: Not available

Numerical measures of toxicity – product

Not available

12. Ecological information**Ecotoxicity**

Chemical name	Toxicity to algae	Toxicity to fish	Toxicity to micro-organisms	Daphnia Magna (water flea)
Benzalkonium Chloride	Not available	Not available	Not available	Not available

Persistence and Degradability

Not available

Bioaccumulation

Not available

Chemical name	Low Pow
Benzalkonium Chloride	Not available

Other adverse effects: Not available**13. Disposal considerations****Waste disposal methods**

Discard after single use.

Review federal, state/provincial, and local government requirements prior to disposal.

Discard with solid waste. Dispose in accordance with all applicable regulations.

Contaminated packaging

Not available

14. Transport information**Notes:****DOT**

- UN-Number XXX
- Proper shipping name XXX
- Hazard class XXX
- Reportable quantity (RQ) XXX
- Description XXX

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- Emergency response guide XXX
- Number XXX

TDG

- UN-Number XXX
- Proper shipping name XXX
- Hazard class XXX
- Description XXX

MEX

- UN-Number XXX
- Proper shipping name XXX
- Hazard class XXX
- Description XXX

ICAO

- UN-Number XXX
- Proper shipping name XXX
- Hazard class XXX
- Description XXX

IATA

- UN-Number XXX
- Proper shipping name XXX
- Hazard class XXX
- ERG code XXX
- Description XXX

IMDG/IMO

- UN-Number XXX
- Proper shipping name XXX
- Hazard class XXX
- Subsidiary class XXX
- EmS number XXX
- Description XXX

RID

- UN-Number XXX
- Proper shipping name XXX
- Hazard class XXX
- Classification code XXX
- Description XXX

ADR

- UN-Number XXX
- Proper shipping name XXX
- Hazard class XXX
- Classification code XXX
- Tunnel restriction code XXX
- Description XXX
- ADR/RID – Labels XXX

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ADN

- Proper shipping name XXX
- Hazard class XXX
- Classification code XXX
- Special provisions XXX
- Description XXX
- Limited quantity XXX
- Ventilation XXX

15. Regulatory information

Interventional inventories

- TSCA(Complies?) Yes NoIECSC XXX

Legend

TSCA: United States Toxic Substances Control Act 8(b) inventory

U.S. Federal regulations

This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

All components are on the U.S. EPA TSCA Inventory List

SARA 311/312 Hazard categories

- Acute health hazard
- Chronic health hazard
- Fire hazard
- Sudden release of pressure hazard
- Reactive hazard

Clean Water Act

This product **does/does not** contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

CERCLA

Chemical name	Hazardous substances RQs	Extremely hazardous substances RQs	RQ
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Not available

U.S. state regulations

California Proposition 65: This product does not contain any Proposition 65 chemicals.

U.S. state Right-to-Know regulations

“X” designates that the ingredients are listed on the state Right-to-Know list

Chemical name	New Jersey	Massachusetts	Pennsylvania	Illinois	Rhode Island
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U.S. EPA label information

EPA Pesticide registration number: N/A

16. Other information

Health hazard	Flammability	Instability/ Physical Hazard	Physical/Chemical Hazards/ Personal protection
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NFPA

HMIS

Not available

Prepared by:
Issuing date:

Shanghai Yinjing Medical Supplies Co., Ltd
25-Dec-2014

General Disclaimer

The information provided on this SDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

End of Safety Data Sheet