

SAFETY DATA SHEET



MED-NAP

SECTION 1: PRODUCT IDENTIFICATION

PRODUCT: BZK Towelette
Benzalkonium Chloride Towelette
Benzalkonium Chloride Antiseptic Towelette

Product Label Name: BZK Antiseptic Towelette
Benzalkonium Chloride Antiseptic Towelette

Company Name and Address: Acme United Corporation
301 Marianne Street
Brooksville, FL 34601

Emergency Telephone Number: 352-796-6020

Recommended use: First Aid Antiseptic.

SECTION 2: HAZARDOUS IDENTIFICATION

Classification EYE DAMAGE/IRRITATION – Category 2B
SKIN IRRITATION – Category 3

Signal Word Warning

Pictogram



Hazard Statements Causes eye irritation
Causes mild skin irritation

Precautionary Statement If eye irritation persists: Get medical attention

Prevention Wash affected area thoroughly after handling

Other Hazards None known

SECTION 3: INFORMATION ON INGREDIENTS

Ingredient list	Cas #	%
Benzalkonium Chloride	68424-85-1	0.13%
Methyl chloroisothiazolinone	26172-55-4	0.00115%
Methyl isothiazolinone	2682-20-4	0.00035%
Purified Water	7732-18-5	QS to 100

SECTION 4: FIRST-AID MEASURES

Description of First aid procedures

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

Skin contact: First aid should not be required. If irritation occurs, flush with water. If irritation persists, seek medical attention.

Inhalation: If symptoms develop move victim to fresh air. If symptoms persist, obtain medical attention.

Ingestion: If swallowed contact a physician immediately. Do not induce vomiting. Rinse mouth with water. Never give anything by mouth if victim is unconscious or is convulsing. Obtain medical attention.

Most Important Symptoms/Effects, Acute and Delayed: Direct contact may cause mild eye irritation.

Indication of Immediate Medical Attention and Special Treatment: Treat symptomatically

SECTION 5: FIRE-FIGHTING MEASURES

Flammable properties: Not flammable by OSHA criteria

Extinguishing media

Suitable extinguishing media: Treat for surrounding material.

Unsuitable extinguishing media: Not available

Protection of firefighters

Specific hazards arising from the chemical: Not available

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

Hazardous combustion products: May include and are not limited to: Oxides of carbon. Hydrogen chloride.

Explosion data

Sensitivity to mechanical impact; Not available

Sensitivity to static discharge: Not available

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal precautions: 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 Hazards: Report spill as required by local and federal regulations.

Methods for containment and cleaning up: Prevent entry into waterways, sewers, basements, or confined areas. Pick up towelettes and place in an appropriate container for disposal.

SECTION 7: HANDLING AND STORAGE

Handling: Use good industrial hygiene practices in handling this material.

Storage: Keep out of reach of children. Store in original package. Store in a closed container away from incompatible materials.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines:

Benzalkonium chloride	None established
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Engineering controls: General ventilation normally adequate.

Personal protective equipment

Eye protection: Follow standard industrial hygiene practices. Not required under normal use conditions.

Skin protection: Not required under normal use conditions.

Respiratory protection: Not required under normal use conditions.

General hygiene considerations: Handle in accordance with good industrial hygiene and safety practice. When using do not eat or drink.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance Liquid saturated on wipe

Color clear liquid

Form Liquid saturated on wipe.

Odor Characteristic

Odor threshold Not available

Physical state Solid

pH Not available

Melting point Not available

Freezing point Not available

Boiling point 101.11 °C (214 °F)

Flash point Not available

Evaporation rate Not available

Flammability limits in air, lower, % by volume Not available

Flammability limits in air, upper, % by volume Not applicable

Vapor pressure Not available

Vapor density Not available

Specific gravity Not available

Octanol/water coefficient Not available

Solubility (H₂O) Not available

Auto-ignition temperature Not available
VOC (Weight %) Not available
Viscosity Not available
Percent volatile Not available

SECTION 10: STABILITY AND 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.
Possibility of hazardous reactions: Hazardous polymerization does not occur.

SECTION 11: TOXICOLOGICAL INFORMATION

Effects of acute exposure
Eye: May cause irritation.
Skin: May cause irritation.
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.
Chronic effects: None known. Non-hazardous by WHMIS/OSHA criteria.
Carcinogenicity: None of the components of this product are listed as carcinogenic, or suspected carcinogen by OSHA, IARA and NTP.
Mutagenicity: Not expected to cause mutagenic activity
Reproductive effects: Not expected from this product.
Teratogenicity: Non-hazardous by WHMIS/OSHA criteria.

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity: Not available
Environmental effects: Not available
Aquatic toxicity: Not available
Persistence / degradability: Not available
Bioaccumulation / accumulation: Not available
Partition coefficient: Not available
Mobility in environmental media: Not available
Chemical fate information: Not available
Other adverse effects: Not available

SECTION 13: DISPOSABLE INFORMATION

Waste codes: Not applicable
Disposal instructions: Waste must be disposed in accordance with federal, state, and local regulations.

SECTION 14: TRANSPORT INFORMATION

U.S. Department of Transportation (DOT): Not regulated
UN Number N/A
UN Proper Shipping name Not regulated
Hazard Class None

Packing Group None
Transportation of Dangerous Goods (TDG - Canada) Not regulated as dangerous goods.

SECTION 15: REGULATORY INFORMATION

US Federal regulations This product is not known to be 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.

CERCLA 103 Reportable Quantity: This product is not subject to reporting under CERCLA. Some states have more stringent reporting requirements. Report all spills in accordance with local, state, and federal regulations.

SARA TITLE III:

Hazard Category for Section 311/312: See OSHA Hazard Classification in Section 2.

Section 313 Toxic Chemicals: This product contains the following chemicals subject to SARA Title III Section 313 Reporting requirements: None

Section 302 Extremely Hazardous Substances (TPQ): None

EPA Toxic Substances Control Act (TSCA) Status: All of the components are listed on the TSCA inventory or exempt.

Occupational Safety and Health Administration (OSHA): 29 CFR 1910.1200 No hazardous chemicals

State Regulations:

California Proposition 65: This product does not contain substances listed on California's Proposition 65 chemical list.

Right to Know (RTK) - None Listed for Massachusetts, New Jersey, Pennsylvania, Rhode Island

Canadian federal regulations: This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the SDS contains all the information required by the Controlled Products Regulations.

SECTION 16: OTHER INFORMATION

Issue Date: 1/1/2018
Revision Date 5/11/2022

Disclaimer:

The information provided in this SDS is correct and is to the best of our knowledge, 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.

Safety Data Sheet

TRO C

Revision date : 2015/02/20
Version: 1.0

Page: 1/8
(30594013/SDS_GEN_US/EN)

1. Identification

Product identifier used on the label

TRO C

Recommended use of the chemical and restriction on use

Recommended use*: Absorbent

Suitable for use in industrial sector: chemical industry

* The "Recommended use" identified for this product is provided solely to comply with a US Federal requirement and is not part of the seller's published specification. The terms of this Safety Data Sheet (SDS) do not create or infer any warranty, express or implied, including by incorporation into or reference in the seller's sales agreement.

Details of the supplier of the safety data sheet

Company:

BASF CORPORATION
100 Park Avenue
Florham Park, NJ 07932, USA

Telephone: +1 973 245-6000

Emergency telephone number

CHEMTREC: 1-800-424-9300
BASF HOTLINE: 1-800-832-HELP (4357)

Other means of identification

Chemical family: polyacrylic acid, sodium salt, crosslinked

2. Hazards Identification

According to Regulation 2012 OSHA Hazard Communication Standard; 29 CFR Part 1910.1200

Classification of the product

Combustible Dust Combustible Dust (1) Combustible Dust

Label elements

Signal Word:

Warning

Hazard Statement:

Safety Data Sheet

TRO C

Revision date : 2015/02/20
Version: 1.0

Page: 2/8
(30594013/SDS_GEN_US/EN)

May form combustible dust concentration in air.

Hazards not otherwise classified

No specific dangers known, if the regulations/notes for storage and handling are considered.

3. Composition / Information on Ingredients

According to Regulation 2012 OSHA Hazard Communication Standard; 29 CFR Part 1910.1200

This product does not contain any components classified as hazardous under the referenced regulation.

4. First-Aid Measures

Description of first aid measures

General advice:

Remove contaminated clothing.

If inhaled:

Keep patient calm, remove to fresh air, seek medical attention. Assist in breathing if necessary.

If on skin:

Wash thoroughly with soap and water. If irritation develops, seek medical attention.

If in eyes:

Wash affected eyes for at least 15 minutes under running water with eyelids held open. Seek medical attention.

If swallowed:

Immediately rinse mouth and then drink plenty of water, do not induce vomiting, seek medical attention. Never induce vomiting or give anything by mouth if the victim is unconscious or having convulsions.

Most important symptoms and effects, both acute and delayed

Symptoms: No significant symptoms are expected due to the non-classification of the product.

Indication of any immediate medical attention and special treatment needed

Note to physician

Treatment: Treat according to symptoms (decontamination, vital functions), no known specific antidote.

5. Fire-Fighting Measures

Extinguishing media

Suitable extinguishing media:
water spray, dry powder, foam

Safety Data Sheet

TRO C

Revision date : 2015/02/20
Version: 1.0

Page: 3/8
(30594013/SDS_GEN_US/EN)

Unsuitable extinguishing media for safety reasons:
carbon dioxide, water jet

Additional information:
Avoid whirling up the material/product because of the danger of dust explosion.

Special hazards arising from the substance or mixture

Hazards during fire-fighting:
Burning produces harmful and toxic fumes.

Advice for fire-fighters

Protective equipment for fire-fighting:
Firefighters should be equipped with self-contained breathing apparatus and turn-out gear.

Further information:

Dusty conditions may ignite explosively in the presence of an ignition source causing flash fire.

6. Accidental release measures

Further accidental release measures:

Avoid dispersal of dust in the air (i.e., clearing dust surfaces with compressed air). Avoid the formation and build-up of dust - danger of dust explosion. Dust in sufficient concentration can result in an explosive mixture in air. Handle to minimize dusting and eliminate open flame and other sources of ignition.

Personal precautions, protective equipment and emergency procedures

Breathing protection required. Avoid dust formation.

Environmental precautions

Do not discharge into drains/surface waters/groundwater.

Methods and material for containment and cleaning up

Nonsparking tools should be used.

7. Handling and Storage

Precautions for safe handling

Handle in accordance with good industrial hygiene and safety practice.

Breathing must be protected when large quantities are decanted without local exhaust ventilation. Avoid the formation and deposition of dust.

Protection against fire and explosion:

Avoid dust formation. Dust in sufficient concentration can result in an explosive mixture in air. Handle to minimize dusting and eliminate open flame and other sources of ignition. Routine housekeeping should be instituted to ensure that dusts do not accumulate on surfaces. Dry powders can build static electricity charges when subjected to the friction of transfer and mixing operations. Provide adequate precautions, such as electrical grounding and bonding, or inert atmospheres. Refer to NFPA 654, Standard for the Prevention of Fire and Dust Explosions from the Manufacturing, Processing, and Handling of Combustible Particulate Solids (2013 Edition) for safe handling.

Conditions for safe storage, including any incompatibilities

Safety Data Sheet

TRO C

Revision date : 2015/02/20
Version: 1.0

Page: 4/8
(30594013/SDS_GEN_US/EN)

Further information on storage conditions: Keep container dry because product takes up the humidity of air.
Keep container tightly closed and dry; store in a cool place.
The packed product is not damaged by low temperatures or by frost.
The packed product will not be damaged by high temperatures.

8. Exposure Controls/Personal Protection

Advice on system design:

It is recommended that all dust control equipment such as local exhaust ventilation and material transport systems involved in handling of this product contain explosion relief vents or an explosion suppression system or an oxygen deficient environment. Ensure that dust-handling systems (such as exhaust ducts, dust collectors, vessels, and processing equipment) are designed in a manner to prevent the escape of dust into the work area (i.e., there is no leakage from the equipment). Use only appropriately classified electrical equipment and powered industrial trucks.

Personal protective equipment

Respiratory protection:

Breathing protection if dusts are formed.

Hand protection:

Chemical resistant protective gloves

Eye protection:

Tightly fitting safety goggles (chemical goggles).

General safety and hygiene measures:

Handle in accordance with good industrial hygiene and safety practice. Wearing of closed work clothing is recommended.

9. Physical and Chemical Properties

Form:	granules	
Odour:	odourless	
Colour:	white	
pH value:	approx. 6.0	
glass transition temperature:	approx. 140 °C	(approx. 101.3 hPa) The substance / product decomposes. The product has not been tested.
:		No data available.
Vapour pressure:		No data available.
Thermal decomposition:	No decomposition if used as directed.	
Viscosity, kinematic:		No data available.
Solubility in water:		insoluble, only capable of swelling

10. Stability and Reactivity

Reactivity

Minimum ignition energy:
> 999 mJ

Chemical stability

Safety Data Sheet

TRO C

Revision date : 2015/02/20
Version: 1.0

Page: 5/8
(30594013/SDS_GEN_US/EN)

The product is stable if stored and handled as prescribed/indicated.

Possibility of hazardous reactions

The product is not a dust explosion risk as supplied; however the build-up of fine dust can lead to a risk of dust explosions.

The product is stable if stored and handled as prescribed/indicated.

Conditions to avoid

Avoid humidity.

Incompatible materials

water

Hazardous decomposition products

Decomposition products:

Hazardous decomposition products: carbon monoxide, carbon dioxide, hydrocarbons

Thermal decomposition:

No decomposition if used as directed.

11. Toxicological information

Primary routes of exposure

Routes of entry for solids and liquids are ingestion and inhalation, but may include eye or skin contact. Routes of entry for gases include inhalation and eye contact. Skin contact may be a route of entry for liquefied gases.

Acute Toxicity/Effects

Acute toxicity

Assessment of acute toxicity: Virtually nontoxic after a single ingestion. Virtually nontoxic after a single skin contact.

Oral

Type of value: LD50

Species: rat

Value: > 2,000 mg/kg

Dermal

Type of value: LD50

Species: rat

Value: > 2,000 mg/kg

Irritation / corrosion

Assessment of irritating effects: Ingestion may cause irritation of the gastrointestinal tract. Contact with powders or dusts may irritate the eyes, skin and respiratory tract.

Skin

Species: rabbit

Result: non-irritant

Method: OECD Guideline 404

Eye

Species: rabbit

Result: non-irritant

Safety Data Sheet

TRO C

Revision date : 2015/02/20
Version: 1.0

Page: 6/8
(30594013/SDS_GEN_US/EN)

Method: OECD Guideline 405

Sensitization
No sensitizing effect.

Chronic Toxicity/Effects

Other Information

The statement was derived from products of similar composition.

Symptoms of Exposure

No significant symptoms are expected due to the non-classification of the product.

12. Ecological Information

Toxicity

Toxicity to fish

LC50 (96 h) > 100 mg/l, Brachydanio rerio (OECD Guideline 203, static)

Aquatic invertebrates

EC50 (48 h) > 100 mg/l, Daphnia magna (OECD Guideline 202, part 1, static)

Aquatic plants

EC50 (72 h) > 100 mg/l, Desmodemus subspicatus (OECD Guideline 201)
Nominal concentration.

Soil living organisms

Toxicity to soil dwelling organisms:

LC50 > 1,000 mg/kg, Eisenia foetida (OECD Guideline 207)

Microorganisms/Effect on activated sludge

Toxicity to microorganisms

The inhibition of the degradation activity of activated sludge is not anticipated when introduced to biological treatment plants in appropriate low concentrations.

Persistence and degradability

Assessment biodegradation and elimination (H₂O)

The product is not very soluble in water and can thus be removed from water mechanically in suitable effluent treatment plants.

Mobility in soil

Assessment transport between environmental compartments

The substance will not evaporate into the atmosphere from the water surface.
Adsorption to solid soil phase is not expected.

Additional information

The product contains: <= 20 (W/W) PPM total amount of heavy metal as Pb

Safety Data Sheet

TRO C

Revision date : 2015/02/20
Version: 1.0

Page: 7/8
(30594013/SDS_GEN_US/EN)

Add. remarks environm. fate & pathway:

Due to the consistency of the product, dispersion into the environment is impossible. Therefore no negative effects on the environment may be anticipated based on the present state of knowledge.

Other ecotoxicological advice:

Do not release untreated into natural waters. The ecotoxic effect of the product has not been tested. The information on this was derived from products of similar structure or composition.

13. Disposal considerations

Waste disposal of substance:

Dispose of in accordance with local authority regulations. Incinerate in a licensed facility. Do not incinerate closed containers. Do not discharge into drains/surface waters/groundwater.

Container disposal:

Dispose of in a licensed facility. Recommend crushing, puncturing or other means to prevent unauthorized use of used containers.

14. Transport Information

Land transport

USDOT

Not classified as a dangerous good under transport regulations

Sea transport

IMDG

Not classified as a dangerous good under transport regulations

Air transport

IATA/ICAO

Not classified as a dangerous good under transport regulations

15. Regulatory Information

Federal Regulations

Registration status:

Chemical TSCA, US released / listed

EPCRA 311/312 (Hazard categories):

Fire (Combustible Dust);

NFPA Hazard codes:

Health : 1 Fire: 1 Reactivity: 0 Special:

HMIS III rating

Health: 1 Flammability: 1 Physical hazard: 0

Safety Data Sheet

TRO C

Revision date : 2015/02/20
Version: 1.0

Page: 8/8
(30594013/SDS_GEN_US/EN)

16. Other Information

SDS Prepared by:
BASF NA Product Regulations
SDS Prepared on: 2015/02/20

We support worldwide Responsible Care® initiatives. We value the health and safety of our employees, customers, suppliers and neighbors, and the protection of the environment. Our commitment to Responsible Care is integral to conducting our business and operating our facilities in a safe and environmentally responsible fashion, supporting our customers and suppliers in ensuring the safe and environmentally sound handling of our products, and minimizing the impact of our operations on society and the environment during production, storage, transport, use and disposal of our products.

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