

**Benzalkonium Chloride Antiseptic Wipe**

**SDS Preparation Date (mm/dd/yyyy): 11/19/2019**

Page 1 of 10

## SAFETY DATA SHEET

### SECTION 1. IDENTIFICATION

**Product identifier used on the label**

: **Benzalkonium Chloride Antiseptic Wipe**

**Other means of identification** : 9900093

**Recommended use of the chemical and restrictions on use**

: Personal Care Applications  
Restriction on use: None known

**Chemical family** : Mixture.

**Name, address, and telephone number of the supplier:**

**Safetec of America, Inc.**

887 Kensington Avenue  
Buffalo, NY, USA  
14215

Supplier's Telephone # : (716) 895 1822

**24 Hr. Emergency Tel #** : 1-800-255-3924

**Name, address, and telephone number of the manufacturer:**

Refer to supplier

### SECTION 2. HAZARDS IDENTIFICATION

**Classification of the chemical**

Towelette saturated with clear liquid. Alcohol odour.

This product is sold as a personal care item that is safe for consumers and other users under normal and reasonably foreseeable use. As such, it is not regulated under Hazcom 2012/WHMIS 2015 labeling and SDS requirements do not apply.

**Label elements**

*Hazard pictogram(s)*

None required under U.S. OSHA Hazcom 2012 and Canadian WHMIS 2015 regulations.

*Signal Word*

Not required

*Hazard statement(s)*

Not required

*Precautionary statement(s)*

Not required

**Other hazards**

None known.

**Benzalkonium Chloride Antiseptic Wipe**

**SDS Preparation Date (mm/dd/yyyy): 11/19/2019**

Page 2 of 10

## SAFETY DATA SHEET

### SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Mixture

| <u>Chemical name</u>  | <u>Common name and synonyms</u> | <u>CAS #</u> | <u>Concentration (% by weight)</u> |
|---|---------------------------------|--------------|------------------------------------|
| Ethanol   | Ethyl alcohol<br>Ethyl hydrate  | 64-17-5      | 5.0 - 10.0                         |
| Quaternary ammonium compounds,<br>benzyl-C8-18-alkyldimethyl, chlorides | Benzalkonium Chloride           | 63449-41-2   | 0.1 - 1.0                          |

The exact concentrations of the above listed chemicals are being withheld as a trade secret.

### SECTION 4. FIRST-AID MEASURES

#### Description of first aid measures

- Ingestion* : Harmful effects are not expected under normal usage. In the case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
- Inhalation* : Harmful effects are not expected under normal usage. In the case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
- Skin contact* : Harmful effects are not expected under normal usage. If skin irritation or rash occurs: Get medical advice/attention.
- Eye contact* : If in eyes: Rinse cautiously with water for several minutes. If eye irritation persists: get medical advice/attention.

#### Most important symptoms and effects, both acute and delayed

- : None expected, when used as intended.

#### Indication of any immediate medical attention and special treatment needed

- : Treat symptomatically.

### SECTION 5. FIRE-FIGHTING MEASURES

#### Extinguishing media

- Suitable extinguishing media* : Dry chemicals. Foam. Carbon dioxide (CO2). Water or fog spray.
- Unsuitable extinguishing media* : Do not use water jet as extinguisher, as this will spread the fire.

#### Special hazards arising from the substance or mixture / Conditions of flammability

- : Flammable liquid contained in a towelette.

#### Flammability classification (OSHA 29 CFR 1910.106)

- : Flammable Liquids - Category 3

#### Hazardous combustion products

- : Carbon oxides

#### Special protective equipment and precautions for firefighters

- Protective equipment for fire-fighters* : Firefighters should wear an approved full-face, self-contained breathing apparatus (SCBA) and impervious clothing.
- Special fire-fighting procedures* : Cool containers exposed to heat with water spray and remove container, if no risk is involved.

### SECTION 6. ACCIDENTAL RELEASE MEASURES

#### Personal precautions, protective equipment and emergency procedures

- : Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Wear appropriate personal protective equipment.

#### Environmental precautions

- : Avoid release to the environment.

**Benzalkonium Chloride Antiseptic Wipe**

SDS Preparation Date (mm/dd/yyyy): 11/19/2019

Page 3 of 10

## SAFETY DATA SHEET

### Methods and material for containment and cleaning up

: Wipe up with absorbent material (e.g. cloth, fleece).

### Special spill response procedures

: Not applicable.

## SECTION 7. HANDLING AND STORAGE

### Precautions for safe handling

: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources - No smoking. Do not ingest or swallow. Observe good industrial hygiene practices.

**Conditions for safe storage** : Keep containers closed when not in use.

**Incompatible materials** : Strong oxidizing agents. Acids.

## SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

| <b>Exposure Limits:</b>  |                  |             |                                    |             |
|--|------------------|-------------|------------------------------------|-------------|
| <u>Chemical Name</u>   | <u>ACGIH TLV</u> |             | <u>OSHA PEL</u>                    |             |
|  | <u>TWA</u>       | <u>STEL</u> | <u>PEL</u>                         | <u>STEL</u> |
| Ethanol  | N/Av             | 1000 ppm    | 1000 ppm (1900 mg/m <sup>3</sup> ) | N/Av        |
| Quaternary ammonium compounds, benzyl-C8-18-alkyldimethyl, chlorides | N/Av             | N/Av        | N/Av                               | N/Av        |

### Exposure controls

#### Ventilation and engineering measures

: None required under normal conditions.

**Respiratory protection** : None required under normal conditions.

**Skin protection** : None required under normal conditions.

**Eye / face protection** : None required under normal conditions.

**Other protective equipment** : None required when used as intended.

#### General hygiene considerations

: Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking.

## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

**Appearance** : Towlette saturated with clear liquid.

**Odour** : Alcohol odour.

**Odour threshold** : Not available.

**pH** : Not available.

**Melting Point/Freezing point** : Not available.

#### Initial boiling point and boiling range

: Not available.

**Flash point** : 25°C (77°F)

**Flashpoint (Method)** : Closed cup

**Evaporation rate (BuAe = 1)** : Not available.

**Flammability (solid, gas)** : Not applicable.

**Benzalkonium Chloride Antiseptic Wipe**

SDS Preparation Date (mm/dd/yyyy): 11/19/2019

Page 4 of 10

**SAFETY DATA SHEET****Lower flammable limit (% by vol.)**

: Not available.

**Upper flammable limit (% by vol.)**

: Not available.

**Oxidizing properties**

: Not applicable

**Explosive properties**

: Not explosive

**Vapour pressure**

: Not available.

**Vapour density**

: Not available.

**Relative density / Specific gravity**

: 0.98

**Solubility in water**

: Complete

**Other solubility(ies)**

: Not available.

**Partition coefficient: n-octanol/water or Coefficient of water/oil distribution**

: Not available.

**Auto-ignition temperature**

: Not available.

**Decomposition temperature**

: Not available.

**Viscosity**

: Not available.

**Volatiles (% by weight)**

: Not available.

**Volatile organic Compounds (VOC's)**

: Not available.

**Absolute pressure of container**

: Not available.

**Flame projection length**

: Not available.

**Other physical/chemical comments**

: None known or reported by the manufacturer.

**SECTION 10. STABILITY AND REACTIVITY****Reactivity**

: The product is stable and non-reactive under normal conditions of use, storage and transport.

**Chemical stability**

: Material is stable under normal conditions.

**Possibility of hazardous reactions**

: Hazardous polymerization does not occur.

**Conditions to avoid**

: Keep away from heat, sparks and open flames.

**Incompatible materials**

: See Section 7 (Handling and Storage) for further details.

**Hazardous decomposition products**

: See Section 5 (Fire Fighting Measures).

**SECTION 11. TOXICOLOGICAL INFORMATION****Information on likely routes of exposure:****Routes of entry inhalation** : YES**Routes of entry skin & eye** : YES**Routes of entry Ingestion** : YES**Routes of exposure skin absorption**

: YES

Benzalkonium Chloride Antiseptic Wipe

SDS Preparation Date (mm/dd/yyyy): 11/19/2019

Page 5 of 10

## SAFETY DATA SHEET

### Potential Health Effects:

#### Signs and symptoms of short-term (acute) exposure

##### *Sign and symptoms Inhalation*

: None expected, when used as intended.

##### *Sign and symptoms ingestion*

: None expected, when used as intended.

##### *Sign and symptoms skin*

: None expected, when used as intended.

##### *Sign and symptoms eyes*

: None expected, when used as intended. Direct eye contact may cause irritation. Symptoms may include tearing, redness and discomfort.

#### Potential Chronic Health Effects

: None expected, when used as intended.

#### Mutagenicity

: Not expected to be mutagenic.

#### Carcinogenicity

: This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.

#### Reproductive effects & Teratogenicity

: This product is not expected to cause reproductive or developmental effects.

#### Sensitization to material

: Not expected to be a skin or respiratory sensitizer.

#### Specific target organ effects

: None expected, when used as intended.

#### Medical conditions aggravated by overexposure

: None reported by the manufacturer.

#### Synergistic materials

: None reported by the manufacturer.

#### Toxicological data

: See below for individual ingredient acute toxicity data.

| <u>Chemical name</u>   | <b>LC<sub>50</sub>(4hr)</b><br><u>inh, rat</u> | <b>LD<sub>50</sub></b> |                         |
|--|--|------------------------|-------------------------|
|  |  | <u>(Oral, rat)</u>     | <u>(Rabbit, dermal)</u> |
| Ethanol  | > 32 380 ppm (61 mg/L) (vapour)                | 7060 mg/kg             | > 15 800 mg/kg          |
| Quaternary ammonium compounds, benzyl-C8-18-alkyldimethyl, chlorides | N/Av   | N/Av                   | 1420 mg/kg              |

#### Other important toxicological hazards

: None known or reported by the manufacturer.

### SECTION 12. ECOLOGICAL INFORMATION

#### Ecotoxicity

: The product is not classified as environmentally hazardous. Avoid release to the environment.

#### Ecotoxicity data:

| <u>Ingredients</u> | CAS No  | <b>Toxicity to Fish</b>     |               |          |
|--------------------|---------|-----------------------------|---------------|----------|
|                    |         | LC50 / 96h                  | NOEC / 21 day | M Factor |
| Ethanol            | 64-17-5 | > 100 mg/L (Fathead minnow) | N/Av          | None.    |

**Benzalkonium Chloride Antiseptic Wipe**

SDS Preparation Date (mm/dd/yyyy): 11/19/2019

Page 6 of 10

## SAFETY DATA SHEET

| <u>Ingredients</u> | CAS No  | Toxicity to Daphnia       |               |          |
|--------------------|---------|---------------------------|---------------|----------|
|                    |         | EC50 / 48h                | NOEC / 21 day | M Factor |
| Ethanol            | 64-17-5 | 5012 mg/L (Daphnia magna) | N/Av          | None.    |

| <u>Ingredients</u> | CAS No  | Toxicity to Algae            |                   |          |
|--------------------|---------|------------------------------|-------------------|----------|
|                    |         | EC50 / 96h or 72h            | NOEC / 96h or 72h | M Factor |
| Ethanol            | 64-17-5 | 1000 mg/L/96hr (Green algae) | N/Av              | None.    |

**Persistence and degradability**

: Not available.

**Bioaccumulation potential**

: Not available.

| <u>Components</u>   | <u>Partition coefficient n-octanol/water (log Kow)</u> | <u>Bioconcentration factor (BCF)</u> |
|---|--|--------------------------------------|
| Ethanol (CAS 64-17-5)   | - 0.31   | N/Av                                 |
| Quaternary ammonium compounds, benzyl-C8-18-alkyldimethyl, chlorides (CAS 63449-41-2) | N/Av   | N/Av                                 |

**Mobility in soil** : Not available.

**Other Adverse Environmental effects**

: None known or reported by the manufacturer.

### SECTION 13. DISPOSAL CONSIDERATIONS

**Handling for Disposal** : Dispose of in accordance with local regulations.

**Methods of Disposal** : Dispose of in accordance with local regulations.

**RCRA** : Not applicable.





Benzalkonium Chloride Antiseptic Wipe

SDS Preparation Date (mm/dd/yyyy): 11/19/2019

Page 7 of 10

## SAFETY DATA SHEET

### SECTION 14. TRANSPORT INFORMATION

| Regulatory Information           | UN Number   | UN proper shipping name                    | Transport hazard class(es) | Packing Group | Label   |
|----------------------------------|---|--|----------------------------|---------------|---|
| 49CFR/DOT                        | UN3175  | SOLIDS CONTAINING FLAMMABLE LIQUID, N.O.S. | not regulated              | II            |    |
| 49CFR/DOT Additional information | Special provision 47 allows for UN3175, Solids, Containing flammable liquid, N.O.S. in sealed packages, containing less than 10 ml to be exempted from the regulations, provided there is no free liquid in the packet.   |  |                            |               |   |
| ICAO/IATA                        | UN3175  | Solids containing flammable liquid, n.o.s. | not regulated              | II            |    |
| ICAO/IATA Additional information | Special provision A46 allows for UN 3175, Solids, Containing flammable liquid, N.O.S. in sealed packages, containing less than 10 ml to be exempted from the regulations, provided there is no free liquid in the packet. |  |                            |               |   |
| IMDG                             | UN3175  | SOLIDS CONTAINING FLAMMABLE LIQUID, N.O.S. | not regulated              | II            |   |
| IMDG Additional information      | Special provision 216 allows for UN 3175, Solids, Containing flammable liquid, N.O.S. in sealed packages, containing less than 10 ml to be exempted from the regulations, provided there is no free liquid in the packet. |  |                            |               |   |
| TDG                              | UN3175  | SOLIDS CONTAINING FLAMMABLE LIQUID, N.O.S. | not regulated              | II            |  |
| TDG Additional information       | Special provision 56 allows for UN3175, Solids, Containing flammable liquid, N.O.S. in sealed packages, containing less than 10 ml to be exempted from the regulations, provided there is no free liquid in the packet.   |  |                            |               |   |

**Special precautions for user :** Appropriate advice on safety must accompany the package.

**Environmental hazards :** This product does not meet the criteria for an environmentally hazardous mixture, according to the IMDG Code. See Section 12 for more environmental information.

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**

: Not established.

### SECTION 15 - REGULATORY INFORMATION

#### US Federal Information:

Components listed below are present on the following U.S. Federal chemical lists:

| Ingredients  | CAS #      | TSCA Inventory | CERCLA Reportable Quantity(RQ) (40 CFR 117.302): | SARA TITLE III: Sec. 302, Extremely Hazardous Substance, 40 CFR 355: | SARA TITLE III: Sec. 313, 40 CFR 372, Specific Toxic Chemical |                          |
|--|------------|----------------|--|--|---|--------------------------|
|  |            |                |  |  | Toxic Chemical  | de minimus Concentration |
| Ethanol  | 64-17-5    | Yes            | None.  | None.  | No  | N/Ap                     |
| Quaternary ammonium compounds, benzyl-C8-18-alkyldimethyl, chlorides | 63449-41-2 | Yes            | N/Ap   | N/Av   | No  | N/Ap                     |

**Benzalkonium Chloride Antiseptic Wipe**

SDS Preparation Date (mm/dd/yyyy): 11/19/2019

Page 8 of 10

## SAFETY DATA SHEET

SARA TITLE III: Sec. 313, Toxic Chemicals Notification, 40 CFR 372: None. Under SARA Sections 311 and 312, the EPA has established threshold quantities for the reporting of hazardous chemicals. The current thresholds are 500 pounds or the threshold planning quantity (TPQ), whichever is lower, for extremely hazardous substances and 10,000 pounds for all other hazardous chemicals.

**US State Right to Know Laws:**

The following chemicals are specifically listed by individual States:

| <b><u>Ingredients</u></b>  | <b>CAS #</b> | <b>California Proposition 65</b> |   | <b>State "Right to Know" Lists</b> |           |           |           |           |           |
|--|--------------|----------------------------------|---|------------------------------------|-----------|-----------|-----------|-----------|-----------|
|  |              | <b>Listed</b>                    | <b>Type of Toxicity</b>   | <b>CA</b>                          | <b>MA</b> | <b>MN</b> | <b>NJ</b> | <b>PA</b> | <b>RI</b> |
| Ethanol  | 64-17-5      | Yes                              | Cancer (in alcoholic beverages)<br>Developmental (in alcoholic beverages) | Yes                                | Yes       | Yes       | Yes       | Yes       | Yes       |
| Quaternary ammonium compounds, benzyl-C8-18-alkyldimethyl, chlorides | 63449-41-2   | No                               | N/Ap  | No                                 | No        | No        | No        | No        | No        |

**Canadian Information:**

All components of this product are on the Canadian DSL list.  
WHMIS Classification: See Section 2.

**International Information:**

Components listed below are present on the following International Inventory list:

| <b><u>Ingredients</u></b>  | <b>CAS #</b> | <b>European EINECS</b> | <b>Australia AICS</b> | <b>Philippines PICCS</b> | <b>Japan ENCS</b> | <b>Korea KECI/KECL</b> | <b>China IECSC</b> | <b>New Zealand IOC</b> |
|--|--------------|------------------------|-----------------------|--------------------------|-------------------|------------------------|--------------------|------------------------|
| Ethanol  | 64-17-5      | 200-578-6              | Present               | Present                  | (2)-202           | KE-13217               | Present            | HSR001144              |
| Quaternary ammonium compounds, benzyl-C8-18-alkyldimethyl, chlorides | 63449-41-2   | 264-151-6              | Present               | Present                  |                   | KE-05-1137             | Present            | HSR003940              |

### SECTION 16. OTHER INFORMATION

**Legend**

: ACGIH: American Conference of Governmental Industrial Hygienists  
CA: California  
CAS: Chemical Abstract Services  
CEPA: Canadian Environmental Protection Act  
CERCLA: Comprehensive Environmental Response, Compensation, and Liability Act of 1980  
CFR: Code of Federal Regulations  
CSA: Canadian Standards Association  
DOT: Department of Transportation  
DSL: Domestic Substances List  
EPA: Environmental Protection Agency  
HPA: Hazardous Products Act  
HSDB: Hazardous Substances Data Bank  
IARC: International Agency for Research on Cancer  
IATA: International Air Transport Association

---

**Benzalkonium Chloride Antiseptic Wipe****SDS Preparation Date (mm/dd/yyyy): 11/19/2019**

Page 9 of 10

**SAFETY DATA SHEET**

ICAO: International Civil Aviation Organisation  
IMDG: International Maritime Dangerous Goods  
Inh: Inhalation  
LC: Lethal Concentration  
LD: Lethal Dose  
MA: Massachusetts  
MN: Minnesota  
N/Ap: Not Applicable  
N/Av: Not Available  
NJ: New Jersey  
NOEC: No observable effect concentration  
NTP: National Toxicology Program  
OECD: Organisation for Economic Co-operation and Development  
OEL: National occupational exposure limits  
OSHA: Occupational Safety and Health Administration  
PA: Pennsylvania  
PEL: Permissible exposure limit  
PPE: Personal Protective Equipment  
RCRA: Resource Conservation and Recovery Act  
RI: Rhode Island  
RQ: Reportable Quantity  
RTECS: Registry of Toxic Effects of Chemical Substances  
SARA: Superfund Amendments and Reauthorization Act  
SDS: Safety Data Sheet  
STEL: Short Term Exposure Limit  
TDG: Canadian Transportation of Dangerous Goods Act & Regulations  
TLV: Threshold Limit Values  
TWA: Time Weighted Average  
WEL: Workplace Exposure Limit  
WHMIS: Workplace Hazardous Materials Identification System

**References**

- : 1. ACGIH, Threshold Limit Values for Chemical Substances and Physical Agents & Biological Exposure Indices for 2018.  
2. International Agency for Research on Cancer Monographs, searched 2019.  
3. Canadian Centre for Occupational Health and Safety, CCInfoWeb databases, 2019 (Chempendium, HSDB and RTECs).  
4. Safety Data Sheets from manufacturer.  
5. US EPA Title III List of Lists - June 2019 version.  
6. California Proposition 65 List - September 2019 version.  
7. OECD - The Global Portal to Information on Chemical Substances - eChemPortal, 2019.

**Preparation Date (mm/dd/yyyy)**

: 11/19/2019

**Other special considerations for handling**

: Provide adequate information, instruction and training for operators.

**Benzalkonium Chloride Antiseptic Wipe****SDS Preparation Date (mm/dd/yyyy): 11/19/2019**

Page 10 of 10

**SAFETY DATA SHEET**

|  |  |
|--|--|
| <b><u>Prepared for:</u></b><br>Safetec of America Inc.<br>887 Kensington Avenue<br>Buffalo, NY 14215<br>Telephone: (716) 8951822 <a href="http://www.safetec.com">www.safetec.com</a>                            |  <b>Safetec</b><br>of America, Inc. |
| <b><u>Prepared by:</u></b><br>ICC The Compliance Center Inc.<br>Telephone: (888) 442-9628 (U.S.); (888) 977-4834 (Canada)<br><a href="http://www.thecompliancecenter.com">http://www.thecompliancecenter.com</a> |  <b>ComplianceCenter</b>            |

**DISCLAIMER**

This Safety Data Sheet was prepared by ICC The Compliance Center Inc. using information provided by Safetec of America Inc. and CCOHS' Web Information Service. The information in the Safety Data Sheet is offered for your consideration and guidance when exposed to this product. ICC The Compliance Center Inc and Safetec of America Inc. expressly disclaim all expressed or implied warranties and assume no responsibilities for the accuracy or completeness of the data contained herein. The data in this Safety Data Sheet does not apply to use with any other product or in any other process.

This Safety Data Sheet may not be changed, or altered in any way without the expressed knowledge and permission of ICC The Compliance Center Inc. and Safetec of America Inc.

**END OF DOCUMENT**