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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
(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.
SAFETY DATA SHEET

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Mixture

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>Common name and synonyms</th>
<th>CAS #</th>
<th>Concentration (% by weight)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethanol</td>
<td>Ethyl alcohol</td>
<td>64-17-5</td>
<td>5.0 - 10.0</td>
</tr>
<tr>
<td></td>
<td>Ethyl hydrate</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Quaternary ammonium compounds, benzyl-C8-18-alkyl(dimethyl, chlorides)</td>
<td>Benzalkonium Chloride</td>
<td>63449-41-2</td>
<td>0.1 - 1.0</td>
</tr>
</tbody>
</table>

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.
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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

Exposure Limits:

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>ACGIH TLV</th>
<th>OSHA PEL</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>TWA</td>
<td>STEL</td>
</tr>
<tr>
<td>Ethanol</td>
<td>N/Av</td>
<td>1000 ppm</td>
</tr>
<tr>
<td>Quaternary ammonium compounds, benzyl-C8-18-alkyldimethyl, chlorides</td>
<td>N/Av</td>
<td>N/Av</td>
</tr>
</tbody>
</table>

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

- Towelette 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.
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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
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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.

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>LC50(4hr) inh, rat</th>
<th>LD50 (Rabbit, dermal)</th>
<th>(Oral, rat)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethanol</td>
<td>&gt; 32 380 ppm (61 mg/L) (vapour)</td>
<td>7060 mg/kg</td>
<td>&gt; 15 800 mg/kg</td>
</tr>
<tr>
<td>Quaternary ammonium compounds, benzyl-C8-18-alkyldimethyl chlorides</td>
<td>N/Av</td>
<td>N/Av</td>
<td>1420 mg/kg</td>
</tr>
</tbody>
</table>

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:

<table>
<thead>
<tr>
<th>Ingredients</th>
<th>CAS No</th>
<th>LC50 / 96h (Fathead minnow)</th>
<th>NOEC / 21 day</th>
<th>M Factor</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethanol</td>
<td>64-17-5</td>
<td>&gt; 100 mg/L</td>
<td>N/Av</td>
<td>None.</td>
</tr>
</tbody>
</table>
### SAFETY DATA SHEET

<table>
<thead>
<tr>
<th>Ingredients</th>
<th>CAS No</th>
<th>Toxicity to Daphnia</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>EC50 / 48h</td>
</tr>
<tr>
<td>Ethanol</td>
<td>64-17-5</td>
<td>5012 mg/L (Daphnia magna)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Ingredients</th>
<th>CAS No</th>
<th>Toxicity to Algae</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>EC50 / 96h or 72h</td>
</tr>
<tr>
<td>Ethanol</td>
<td>64-17-5</td>
<td>1000 mg/L/96hr (Green algae)</td>
</tr>
</tbody>
</table>

### Persistence and degradability
- Not available.

### Bioaccumulation potential
- Not available.

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

### Mobility in soil
- Not available.

### Other Adverse Environmental effects
- None known or reported by the manufacturer.

### SECTION 13. DISPOSAL CONSIDERATIONS

| Handling for Disposal | Discharge in accordance with local regulations. |
| Methods of Disposal   | Discharge in accordance with local regulations. |
| RCRA                  | Not applicable. |
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SECTION 14. TRANSPORT INFORMATION

<table>
<thead>
<tr>
<th>Regulatory Information</th>
<th>UN Number</th>
<th>UN proper shipping name</th>
<th>Transport hazard class(es)</th>
<th>Packing Group</th>
<th>Label</th>
</tr>
</thead>
<tbody>
<tr>
<td>49CFR/DOT</td>
<td>UN3175</td>
<td>SOLIDS CONTAINING FLAMMABLE LIQUID, N.O.S.</td>
<td>not regulated</td>
<td>II</td>
<td></td>
</tr>
<tr>
<td>49CFR/DOT Additional information</td>
<td>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.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ICAO/IATA</td>
<td>UN3175</td>
<td>Solids containing flammable liquid, n.o.s.</td>
<td>not regulated</td>
<td>II</td>
<td></td>
</tr>
<tr>
<td>ICAO/IATA Additional information</td>
<td>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.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>IMDG</td>
<td>UN3175</td>
<td>SOLIDS CONTAINING FLAMMABLE LIQUID, N.O.S.</td>
<td>not regulated</td>
<td>II</td>
<td></td>
</tr>
<tr>
<td>IMDG Additional information</td>
<td>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.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>TDG</td>
<td>UN3175</td>
<td>SOLIDS CONTAINING FLAMMABLE LIQUID, N.O.S.</td>
<td>not regulated</td>
<td>II</td>
<td></td>
</tr>
<tr>
<td>TDG Additional information</td>
<td>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.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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:

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethanol</td>
<td>64-17-5</td>
<td>Yes</td>
<td>None.</td>
<td>None.</td>
<td>No</td>
</tr>
<tr>
<td>Quaternary ammonium compounds, benzyl-C8-18-alkyldimethyl, chlorides</td>
<td>63449-41-2</td>
<td>Yes</td>
<td>N/Ap</td>
<td>N/Av</td>
<td>No</td>
</tr>
</tbody>
</table>
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:

<table>
<thead>
<tr>
<th>Ingredients</th>
<th>CAS #</th>
<th>California Proposition 65</th>
<th>State &quot;Right to Know&quot; Lists</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>Listed</td>
<td>Type of Toxicity</td>
</tr>
<tr>
<td>Ethanol</td>
<td>64-17-5</td>
<td>Yes</td>
<td>Cancer (in alcoholic beverages)</td>
</tr>
<tr>
<td>Quaternary ammonium compounds, benzyl-C8-18-alkyldimethyl, chlorides</td>
<td>63449-41-2</td>
<td>No</td>
<td>N/Ap</td>
</tr>
</tbody>
</table>

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:

<table>
<thead>
<tr>
<th>Ingredients</th>
<th>CAS #</th>
<th>European EINECs</th>
<th>Australia AICS</th>
<th>Philippines PICCS</th>
<th>Japan ENCS</th>
<th>Korea KECI/KECL</th>
<th>China IECSC</th>
<th>NewZealand IOC</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethanol</td>
<td>64-17-5</td>
<td>200-578-6</td>
<td>Present</td>
<td>Present</td>
<td>(2)-202</td>
<td>KE-13217</td>
<td>Present</td>
<td>HSR001144</td>
</tr>
<tr>
<td>Quaternary ammonium compounds, benzyl-C8-18-alkyldimethyl, chlorides</td>
<td>63449-41-2</td>
<td>264-151-6</td>
<td>Present</td>
<td>Present</td>
<td>KE-05-1137</td>
<td>Present</td>
<td>HSR003940</td>
<td></td>
</tr>
</tbody>
</table>

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
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.
3. Canadian Centre for Occupational Health and Safety, CCInfoWeb databases, 2019 (Chempendium, HSDB and RTECs).
4. Safety Data Sheets from manufacturer.

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

Other special considerations for handling:
 Provide adequate information, instruction and training for operators.
SAFETY DATA SHEET

Prepared for:
Safetec of America Inc.
887 Kensington Avenue
Buffalo, NY 14215
Telephone: (716) 895-1822 www.safetec.com

Prepared by:
ICC The Compliance Center Inc.
Telephone: (888) 442-9628 (U.S.); (888) 977-4834 (Canada)
http://www.thecompliancecenter.com

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