1. Identification

1.1. Product identifier

Product Identity: Econo-San BC Instant Foam Hand Sanitizer

Alternate Names:

1.2. Relevant identified uses of the substance or mixture and uses advised against

Intended use: See Technical Data Sheet.

Application Method: See Technical Data Sheet.

1.3. Details of the supplier of the safety data sheet

Company Name: Economy® Polymers & Chemicals

Company Address: 435 E. Anderson Road

Houston, TX 77047

T 1-800-231-2066

www.economypolymers.com

24 hour Emergency Telephone No.: CALL CHEMTREC (+1)703 527 3887,

CHEMTREC (USA) OR WITHIN USA 800 424 9300

2. Hazard(s) identification

2.1. Classification of the substance or mixture

Not a GHS hazardous substance

2.2. Label elements

Using the Toxicity Data listed in section 11 and 12 the product is labeled as follows.

[Prevention]:

P102 Keep out of reach of children.
P103 Read Label before use.
P262 Do not get in eyes.

[Response]:

P332 + 313 If skin irritation occurs: Get medical advice / attention.
P305+351+338 IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do - continue rinsing.
P337+313 If eye irritation persists: Get medical advice / attention.
P301+330+331+313 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Get medical advice / attention.

[Storage]:
No GHS storage statements

[Disposal]:
Dispose of contents/container in accordance with local/national regulations.

3. Composition/information on ingredients

This product contains the following substances that present a hazard within the meaning of the relevant State and Federal Hazardous Substances regulations.

<table>
<thead>
<tr>
<th>Ingredient/Chemical Designations</th>
<th>Weight %</th>
</tr>
</thead>
<tbody>
<tr>
<td>Benzalkonium chloride</td>
<td>&lt; 1.0</td>
</tr>
<tr>
<td>CAS Number: 8001-54-5</td>
<td></td>
</tr>
</tbody>
</table>

4. First aid measures

4.1. Description of first aid measures

General
In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person.

Eyes
Hold eye open and rinse slowly and gently with water for 15 - 20 minutes. Remove contact lenses, if present, after the first five minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.

Skin
Get medical attention if irritation develops or persists.

Ingestion
Do not induce vomiting. Rinse mouth with fresh, tepid water. Never give anything by mouth to an unconscious person. If vomiting occurs, keep airways open. Keep head lower than hips to prevent aspiration into the lungs. Get medical advice /attention.

5. Fire-fighting measures

5.1. Extinguishing media
Dry chemical, CO2, sand,earth, water spray or regular foam.

5.2. Special hazards arising from the substance or mixture
No data available

5.3. Advice for fire-fighters
As in any fire, wear self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear.
6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures
NA
6.2. Environmental precautions

Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse.

6.3. Methods and material for containment and cleaning up

Contain spill or leakage in suitable container or holding area. Dispose of in accordance with federal, state, and local regulations.

“EMPTY” CONTAINER WARNINGS: Do not reuse empty container. Dispose of in conformance with federal, state, and local regulations.

7. Handling and storage

7.1. Precautions for safe handling
Avoid contact with eyes.
See section 2 for further details. - [Prevention]:

7.2. Conditions for safe storage, including any incompatibilities
Keep from freezing.
See section 2 for further details. - [Storage]:

7.3. Specific end use(s)

8. Exposure controls and personal protection

8.1. Control parameters

<table>
<thead>
<tr>
<th>CAS No.</th>
<th>Ingredient</th>
<th>Source</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>8001-54-5</td>
<td>Benzalkonium chloride</td>
<td>OSHA</td>
<td>No Established Limit</td>
</tr>
<tr>
<td></td>
<td></td>
<td>ACGIH</td>
<td>No Established Limit</td>
</tr>
<tr>
<td></td>
<td></td>
<td>NIOSH</td>
<td>No Established Limit</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Supplier</td>
<td>No Established Limit</td>
</tr>
</tbody>
</table>
Carcinogen Data

<table>
<thead>
<tr>
<th>CAS No.</th>
<th>Ingredient</th>
<th>Source</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>8001-54-5</td>
<td>Benzalkonium chloride</td>
<td>OSHA</td>
<td>Select Carcinogen: No</td>
</tr>
<tr>
<td></td>
<td></td>
<td>NTP</td>
<td>Known: No; Suspected: No</td>
</tr>
<tr>
<td></td>
<td></td>
<td>IARC</td>
<td>Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;</td>
</tr>
</tbody>
</table>

8.2. Exposure controls

Respiratory  A respirator is not needed under normal and intended conditions of product use
Eyes         As needed.
Skin         As needed.
Engineering Controls  No data available
Other Work Practices  No data available

See section 2 for further details. - [Prevention]:

9. Physical and chemical properties

- **Appearance**: Clear Colorless Liquid
- **Odor**: Not Measured
- **Odor threshold**: Not Measured
- **pH**: 4.0 - 4.5
- **Melting point / freezing point**: Not Measured
- **Initial boiling point and boiling range**: Not Measured
- **Flash Point**: Non Flammable
- **Evaporation rate (Ether = 1)**: Not Measured
- **Flammability (solid, gas)**: Not Applicable
- **Upper/lower flammability or explosive limits**:  
  - **Lower Explosive Limit**: Not Measured  
  - **Upper Explosive Limit**: Not Measured  
- **Vapor pressure (Pa)**: Not Measured
- **Vapor Density**: Not Measured
- **Specific Gravity**: 1.000 - 1.008
- **Solubility in Water**: Soluble
- **Partition coefficient n-octanol/water (Log Kow)**: Not Measured
- **Auto-ignition temperature**: Not Measured
- **Decomposition temperature**: Not Measured
- **Viscosity (cSt)**: <120 cps
9.2. Other information
Physical properties are approximate or typical values and should not be used for precise design purposes.

10. Stability and reactivity

10.1. Reactivity
Hazardous Polymerization will not occur.

10.2. Chemical stability
Stable

10.3. Possibility of hazardous reactions
No data available.

10.4. Conditions to avoid
No data available

10.5. Incompatible materials
No data available

10.6. Hazardous decomposition products
No data available

11. Toxicological information

Acute toxicity

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>Oral LD50, mg/kg</th>
<th>Skin LD50, mg/kg</th>
<th>Inhalation Vapor LD50, mg/L/4hr</th>
<th>Inhalation Dust/Mist LD50, mg/L/4hr</th>
<th>Inhalation Gas LD50, ppm</th>
</tr>
</thead>
<tbody>
<tr>
<td>Benzalkonium chloride (8001-54-5)</td>
<td>No data available</td>
<td>No data available</td>
<td>No data available</td>
<td>No data available</td>
<td>No data available</td>
</tr>
</tbody>
</table>

Note: When no route specific LD50 data is available for an acute toxin, the converted acute toxicity point estimate was used in the calculation of the product's ATE (Acute Toxicity Estimate).

<table>
<thead>
<tr>
<th>Classification</th>
<th>Category</th>
<th>Hazard Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute toxicity (oral)</td>
<td>---</td>
<td>Not Applicable</td>
</tr>
<tr>
<td>Acute toxicity (dermal)</td>
<td>---</td>
<td>Not Applicable</td>
</tr>
<tr>
<td>Acute toxicity (inhalation)</td>
<td>---</td>
<td>Not Applicable</td>
</tr>
<tr>
<td>Skin corrosion/irritation</td>
<td>---</td>
<td>Not Applicable</td>
</tr>
<tr>
<td>Serious eye damage/irritation</td>
<td>---</td>
<td>Not Applicable</td>
</tr>
</tbody>
</table>
12. Ecological information

12.1. Toxicity
No additional information provided for this product. See Section 3 for chemical specific data.

Aquatic Ecotoxicity

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>96 hr LC50 fish, mg/l</th>
<th>48 hr EC50 crustacea, mg/l</th>
<th>ErC50 algae, mg/l</th>
</tr>
</thead>
<tbody>
<tr>
<td>Benzalkonium chloride (8001-54-5)</td>
<td>Not Available</td>
<td>Not Available</td>
<td>Not Available</td>
</tr>
</tbody>
</table>

12.2. Persistence and degradability
There is no data available on the preparation itself.

12.3. Bioaccumulative potential
Not Measured

12.4. Mobility in soil
No data available.

12.5. Results of PBT and vPvB assessment
This product contains no PBT/vPvB chemicals.

12.6. Other adverse effects
No data available.

13. Disposal considerations

13.1. Waste treatment methods
Observe all federal, state and local regulations when disposing of this substance.
14. Transport information

<table>
<thead>
<tr>
<th>14.1. UN number</th>
<th>DOT (Domestic Surface Transportation)</th>
<th>IMO / IMDG (Ocean Transportation)</th>
<th>ICAO/IATA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Not Applicable</td>
<td>Not Regulated</td>
<td>Not Regulated</td>
<td>Not Regulated</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>14.2. UN proper shipping name</th>
</tr>
</thead>
<tbody>
<tr>
<td>Not Regulated</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>14.3. Transport hazard class(es)</th>
</tr>
</thead>
<tbody>
<tr>
<td>DOT Hazard Class: Not Applicable</td>
</tr>
<tr>
<td>IMDG: Not Applicable</td>
</tr>
<tr>
<td>Air Class: Not Applicable</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>14.4. Packing group</th>
</tr>
</thead>
<tbody>
<tr>
<td>Not Applicable</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>14.5. Environmental hazards</th>
</tr>
</thead>
<tbody>
<tr>
<td>IMDG</td>
</tr>
<tr>
<td>Marine Pollutant: No</td>
</tr>
</tbody>
</table>

15. Regulatory information

Regulatory Overview  The regulatory data in Section 15 is not intended to be all-inclusive, only selected regulations are represented.

Toxic Substance Control Act (TSCA)  All components of this material are either listed or exempt from listing on the TSCA Inventory.

WHMIS Classification  NA

US EPA Tier II Hazards  

Fire: No  
Sudden Release of Pressure: No  
Reactive: No  
Immediate (Acute): No  
Delayed (Chronic): No

EPCRA 311/312 Chemicals and RQs (lbs):  
To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

EPCRA 302 Extremely Hazardous:  
To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

EPCRA 313 Toxic Chemicals:  
To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

Proposition 65 - Carcinogens (>0.0%):  
To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

Proposition 65 - Developmental Toxins (>0.0%):  
To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

Proposition 65 - Female Repro Toxins (>0.0%):  
To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

Proposition 65 - Male Repro Toxins (>0.0%):  

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To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

**N.J. RTK Substances (>1%) :**
To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

**Penn RTK Substances (>1%) :**
To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

### 16. Other information

The information and recommendations contained herein are based upon data believed to be correct. However, no guarantee or warranty of any kind, expressed or implied, is made with respect to the information contained herein. We accept no responsibility and disclaim all liability for any harmful effects which may be caused by exposure to our products. Customers/users of this product must comply with all applicable health and safety laws, regulations, and orders.

This is the first version in the GHS SDS format. Listings of changes from previous versions in other formats are not applicable.

The information and recommendations contained herein are, to the best of Economy Polymers knowledge and belief, accurate and reliable as of the date issued. Economy Polymers does not warrant or guarantee their accuracy or reliability, and Economy Polymers shall not be liable for any loss or damage arising out of there use thereof.

The information and recommendations are offered for the user’s consideration and examination, and it is the user’s responsibility to satisfy itself that they are suitable and complete for its particular use.

The hazardous materials identification system (HMIS) and national fire protection association ratings have been included by Economy Polymers research laboratories INC. In order to provide additional health and hazard information. The ratings recommended are based upon criteria supplied by the developers of these rating systems, together with Economy Polymers interpretation of the available data.

End of Document