



# Safety Data Sheet

Issue Date: 27-Dec-2011

Revision Date: 24-Jun-2019

Version 3

## 1. IDENTIFICATION

**Product identifier**

**Product Name** Symmetry Foaming Hand Sanitizer-Fragrance Free

**Other means of identification**

**SDS #** BE-9019

**Product Code** 9019  
**UN/ID No** UN1170

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

**Recommended Use** Hand Sanitizer.

**Details of the supplier of the safety data sheet**

**Supplier Address**

Buckeye International, Inc.  
2700 Wagner Place  
Maryland Heights, MO 63043 USA

**Emergency telephone number**

**Company Phone Number** 1-651-632-8956 (International)  
1-800-303-0441 (North America)  
**Emergency Telephone** INFOTRAC 1-352-323-3500 (International)  
1-800-535-5053 (North America)

## 2. HAZARDS IDENTIFICATION

**Appearance** Clear liquid      **Physical state** Liquid      **Odor** Characteristic No fragrance added

**Classification**

|                   |            |
|-------------------|------------|
| Flammable liquids | Category 3 |
|-------------------|------------|

**Signal Word**

Warning

**Hazard statements**

Flammable liquid and vapor



**Precautionary Statements - Prevention**

Keep away from heat/sparks/open flames/hot surfaces. — No smoking  
 Keep container tightly closed  
 Ground/bond container and receiving equipment  
 Use explosion-proof equipment  
 Use only non-sparking tools  
 Take precautionary measures against static discharge  
 Wear protective gloves/eye protection/face protection

**Precautionary Statements - Response**

IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower  
 In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish

**Precautionary Statements - Storage**

Store in a well-ventilated place. Keep cool

**Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste disposal plant

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

| Chemical name        | CAS No     | Weight-% |
|----------------------|------------|----------|
| Ethyl Alcohol        | 64-17-5    | 65.26    |
| Water                | 7732-18-5  | >30.74   |
| Polydimethylsiloxane | 63148-62-9 | <3       |

\*\*If Chemical Name/CAS No is "proprietary" and/or Weight-% is listed as a range, the specific chemical identity and/or percentage of composition has been withheld as a trade secret.\*\*

### 4. FIRST AID MEASURES

**Description of first aid measures**

|                     |  |
|---------------------|--|
| <b>Eye Contact</b>  | Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Call a physician if irritation persists.  |
| <b>Skin Contact</b> | If skin irritation occurs, rinse affected area with water.   |
| <b>Inhalation</b>   | Remove to fresh air.   |
| <b>Ingestion</b>    | Drink 2-3 large glasses of water. Do NOT induce vomiting. Call a physician. Never give anything by mouth to an unconscious person. |

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

|                 |   |
|-----------------|---|
| <b>Symptoms</b> | Contact may cause irritation and redness. |
|-----------------|---|

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

|                           |                        |
|---------------------------|------------------------|
| <b>Notes to Physician</b> | Treat symptomatically. |
|---------------------------|------------------------|

### 5. FIRE-FIGHTING MEASURES

**Suitable Extinguishing Media**

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

**Unsuitable Extinguishing Media** Not determined.

**Specific Hazards Arising from the Chemical**

Flammable due to alcohol content.

**Protective equipment and precautions for firefighters**

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

## 6. ACCIDENTAL RELEASE MEASURES

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

**Personal Precautions** Use personal protective equipment as required. Spills may be slippery.

**Environmental precautions**

**Methods and material for containment and cleaning up**

**Methods for Containment** Prevent further leakage or spillage if safe to do so.

**Methods for Clean-Up** Pick up with mop, wet/dry vac, or absorbent material. Rinse area with clear water and allow floor to dry before allowing traffic.

## 7. HANDLING AND STORAGE

**Precautions for safe handling**

**Advice on Safe Handling** Keep out of the reach of children. Keep away from heat/sparks/open flames/hot surfaces. — No smoking. Ground/bond container and receiving equipment. Use explosion proof equipment. Use only non-sparking tools. Take precautionary measures against static discharges. Wear protective gloves/eye protection/face protection.

**Conditions for safe storage, including any incompatibilities**

**Storage Conditions** Keep containers tightly closed in a dry, cool and well-ventilated place. Store away from heat, sparks, flame. Keep container closed when not in use. Store at room temperature. Protect from freezing.

**Incompatible Materials** Chlorine bleach.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Exposure Guidelines**

| Chemical name            | ACGIH TLV      | OSHA PEL   | NIOSH IDLH   |
|--------------------------|----------------|--|--|
| Ethyl Alcohol<br>64-17-5 | STEL: 1000 ppm | TWA: 1000 ppm<br>TWA: 1900 mg/m <sup>3</sup><br>(vacated) TWA: 1000 ppm<br>(vacated) TWA: 1900 mg/m <sup>3</sup> | IDLH: 3300 ppm<br>TWA: 1000 ppm<br>TWA: 1900 mg/m <sup>3</sup> |

**Appropriate engineering controls**

**Engineering Controls** Apply technical measures to comply with the occupational exposure limits.

**Individual protection measures, such as personal protective equipment**

**Eye/Face Protection** When using product, do not rub eyes.

|                                       |  |
|---------------------------------------|--|
| <b>Skin and Body Protection</b>       | No protective equipment is needed under normal use conditions.         |
| <b>Respiratory Protection</b>         | No protective equipment is needed under normal use conditions.         |
| <b>General Hygiene Considerations</b> | Handle in accordance with good industrial hygiene and safety practice. |

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Information on basic physical and chemical properties

|  |                |                         |                                   |
|--|----------------|-------------------------|-----------------------------------|
| <b>Physical state</b>                  | Liquid         | <b>Odor</b>             | Characteristic No fragrance added |
| <b>Appearance</b>                      | Clear liquid   | <b>Odor Threshold</b>   | Not determined                    |
| <b>Color</b>                           | Not determined | <b>Remarks • Method</b> |                                   |
| <b>Property</b>                        | <b>Values</b>  |                         |                                   |
| pH                                     | Not available  |                         |                                   |
| Melting point / freezing point         | Not determined |                         |                                   |
| Boiling point / boiling range          | 78 °C / 172 °F |                         |                                   |
| Flash point                            | 23 °C / 74 °F  |                         |                                   |
| Evaporation Rate                       | >1.0           |                         |                                   |
| Flammability (Solid, Gas)              | n/a-liquid     |                         |                                   |
| Flammability Limit in Air              |                |                         |                                   |
| Upper flammability or explosive limits | Not available  |                         |                                   |
| Lower flammability or explosive limits | Not available  |                         |                                   |
| Vapor Pressure                         | Not determined |                         |                                   |
| Vapor Density                          | Not determined |                         |                                   |
| Relative Density                       | 0.88           |                         |                                   |
| Water Solubility                       | Mostly Soluble |                         |                                   |
| Solubility in other solvents           | Not determined |                         |                                   |
| Partition Coefficient                  | Not determined |                         |                                   |
| Autoignition temperature               | Not determined |                         |                                   |
| Decomposition temperature              | Not determined |                         |                                   |
| Kinematic viscosity                    | Not determined |                         |                                   |
| Dynamic Viscosity                      | Not determined |                         |                                   |
| Explosive Properties                   | Not determined |                         |                                   |
| Oxidizing Properties                   | Not determined |                         |                                   |

## 10. STABILITY AND REACTIVITY

### Reactivity

Not reactive under normal conditions.

### Chemical stability

Stable under recommended storage conditions.

### Possibility of hazardous reactions

None under normal processing.

|                                 |  |
|---------------------------------|--|
| <b>Hazardous Polymerization</b> | Hazardous polymerization does not occur. |
|---------------------------------|--|

### Conditions to Avoid

Heat, flames and sparks.

### Incompatible materials

Chlorine bleach.

**Hazardous decomposition products**

None known based on information supplied.

**11. TOXICOLOGICAL INFORMATION****Information on likely routes of exposure**

|                            |  |
|----------------------------|--|
| <b>Product Information</b> | Product does not present an acute toxicity hazard based on known or supplied information           |
| <b>Eye Contact</b>         | Avoid contact with eyes.   |
| <b>Skin Contact</b>        | Not expected to be a skin irritant during prescribed use.  |
| <b>Inhalation</b>          | Under normal conditions of intended use, this material is not expected to be an inhalation hazard. |
| <b>Ingestion</b>           | Do not ingest.   |

**Component Information**

| Chemical name                      | Oral LD50                           | Dermal LD50         | Inhalation LC50          |
|------------------------------------|-------------------------------------|---------------------|--------------------------|
| Ethyl Alcohol<br>64-17-5           | = 7060 mg/kg ( Rat )                | -                   | = 124.7 mg/L ( Rat ) 4 h |
| Polydimethylsiloxane<br>63148-62-9 | > 24 g/kg ( Rat ) > 17 g/kg ( Rat ) | > 2 g/kg ( Rabbit ) | -                        |

**Symptoms related to the physical, chemical and toxicological characteristics**

**Symptoms** Please see section 4 of this SDS for symptoms.

**Delayed and immediate effects as well as chronic effects from short and long-term exposure**

**Carcinogenicity** Ethanol has been shown to be carcinogenic in long-term studies only when consumed as an alcoholic beverage.

| Chemical name            | ACGIH | IARC    | NTP   | OSHA |
|--------------------------|-------|---------|-------|------|
| Ethyl Alcohol<br>64-17-5 | A3    | Group 1 | Known | X    |

**Legend***ACGIH (American Conference of Governmental Industrial Hygienists)**A3 - Animal Carcinogen**IARC (International Agency for Research on Cancer)**Group 1 - Carcinogenic to Humans**NTP (National Toxicology Program)**Known - Known Carcinogen**OSHA (Occupational Safety and Health Administration of the US Department of Labor)**X - Present***Numerical measures of toxicity**

The following values are calculated based on chapter 3.1 of the GHS document .

|                                      |                 |
|--------------------------------------|-----------------|
| <b>Oral LD50</b>                     | 10,616.00 mg/kg |
| <b>Dermal LD50</b>                   | 66,667.00 mg/kg |
| <b>ATEmix (inhalation-dust/mist)</b> | 191.10 mg/L     |
| <b>ATEmix (inhalation-vapor)</b>     | 191.10 mg/L     |

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity

An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

### Persistence/Degradability

Not determined.

### Bioaccumulation

There is no data for this product.

### Mobility

| Chemical name            | Partition coefficient |
|--------------------------|-----------------------|
| Ethyl Alcohol<br>64-17-5 | -0.32                 |

### Other Adverse Effects

Not determined

## 13. DISPOSAL CONSIDERATIONS

### Waste Treatment Methods

**Disposal of Wastes** Disposal should be in accordance with applicable regional, national and local laws and regulations.

**Contaminated Packaging** Disposal should be in accordance with applicable regional, national and local laws and regulations.

### California Hazardous Waste Status

| Chemical name            | California Hazardous Waste Status |
|--------------------------|-----------------------------------|
| Ethyl Alcohol<br>64-17-5 | Toxic<br>Ignitable                |

## 14. TRANSPORT INFORMATION

**Note** Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances.

### DOT

**UN/ID No** UN1170  
**Proper Shipping Name** Ethanol solution  
**Hazard class** 3  
**Packing Group** III

### IATA

**UN number** UN1170  
**Proper Shipping Name** Ethanol solution  
**Transport hazard class(es)** 3  
**Packing Group** III

### IMDG

**UN number** UN1170  
**Proper Shipping Name** Ethanol solution  
**Transport hazard class(es)** 3  
**Packing Group** III

|                                   |
|-----------------------------------|
| <b>15. REGULATORY INFORMATION</b> |
|-----------------------------------|

**International Inventories**

| Chemical name        | TSCA | TSCA Inventory Status | DSL/NDSL | EINECS/ELI NCS | ENCS | IECSC | KECL | PICCS | AICS |
|----------------------|------|-----------------------|----------|----------------|------|-------|------|-------|------|
| Ethyl Alcohol        | X    | ACTIVE                | X        | X              | X    | X     | X    | X     | X    |
| Water                | X    | ACTIVE                | X        | X              | X    | X     | X    | X     | X    |
| Polydimethylsiloxane | X    | ACTIVE                | X        |                | X    | X     | X    | X     | X    |

**Legend:***TSCA - United States Toxic Substances Control Act Section 8(b) Inventory**DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List**EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances**ENCS - Japan Existing and New Chemical Substances**IECSC - China Inventory of Existing Chemical Substances**KECL - Korean Existing and Evaluated Chemical Substances**PICCS - Philippines Inventory of Chemicals and Chemical Substances**AICS - Australian Inventory of Chemical Substances***US Federal Regulations****SARA 313**

Not determined

**US State Regulations****California Proposition 65**

This product contains the following Proposition 65 chemicals.

| Chemical name           | California Proposition 65   |
|-------------------------|-----------------------------|
| Ethyl Alcohol - 64-17-5 | Carcinogen<br>Developmental |

**U.S. State Right-to-Know Regulations**

| Chemical name            | New Jersey | Massachusetts | Pennsylvania |
|--------------------------|------------|---------------|--------------|
| Ethyl Alcohol<br>64-17-5 | X          | X             | X            |

**16. OTHER INFORMATION**

|                    |                       |                     |                         |                            |
|--------------------|-----------------------|---------------------|-------------------------|----------------------------|
| <b><u>NFPA</u></b> | <b>Health Hazards</b> | <b>Flammability</b> | <b>Instability</b>      | <b>Special Hazards</b>     |
|                    | 0                     | 3                   | 0                       | Not determined             |
| <b><u>HMIS</u></b> | <b>Health Hazards</b> | <b>Flammability</b> | <b>Physical hazards</b> | <b>Personal Protection</b> |
|                    | Not determined        | Not determined      | Not determined          | Not determined             |

**Issue Date:** 27-Dec-2011  
**Revision Date:** 24-Jun-2019  
**Revision Note:** Regulatory update

**Disclaimer**

The information provided in this Safety Data Sheet 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 guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered 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 materials or in any process, unless specified in the text.

**End of Safety Data Sheet**