

## \*SAFETY DATA SHEET\*

### SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME:** McKesson Foaming Hand Sanitizer with Aloe  
**MFR #:** 53-29033-8.5, 53-29036-1000

**DISTRIBUTED BY:** McKesson Medical-Surgical Inc.  
9954 Mayland Drive, Suite 4000  
Richmond, Virginia 23233

**INFORMATION LINE:** 1-800-777-4908  
Monday – Friday 8:00 a.m. – 6:00 p.m. EST

**EMERGENCY PHONE:** 1-800-451-8346 (3E Company)  
Day or night

**PRODUCT DESCRIPTION:** A foaming alcohol hand sanitizer for hand washing to decrease bacteria on the skin

### 2. HAZARDS IDENTIFICATION

#### Classification

Flammable Liquids

Category 2

#### Signal Word

Danger

#### Hazard Statements

Highly flammable liquid and vapor

**Appearance** Water Clear**Physical State** Liquid**Odor** Alcohol

#### 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/protective clothing/eye protection/face protection

#### Precautionary Statements - Response

IN CASE OF FIRE: Use CO<sub>2</sub>, dry chemical, or foam for extinction

#### Precautionary Statements - Storage

Store in a well-ventilated place

#### Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

#### Other Hazards

Toxic to aquatic life with long lasting effects

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

| Chemical Name | CAS No  | Weight-% |
|---------------|---------|----------|
| Ethanol       | 64-17-5 | 70       |

### 4. FIRST-AID MEASURES

#### First Aid Measures

|                     |  |
|---------------------|--|
| <b>Eye Contact</b>  | Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. |
| <b>Skin Contact</b> | If skin irritation occurs, rinse affected area with water.                               |
| <b>Inhalation</b>   | Remove to fresh air.   |
| <b>Ingestion</b>    | Dilute by giving a large amount of water. Call a physician or Poison Control Center.     |

#### Most important symptoms and effects

|                 |  |
|-----------------|--|
| <b>Symptoms</b> | Exposed individuals may experience eye tearing, redness and discomfort. May cause gastrointestinal disturbance. Inhalation may cause giddiness or loss of consciousness. |
|-----------------|--|

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

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

### 5. FIRE-FIGHTING MEASURES

#### Suitable Extinguishing Media

Carbon dioxide (CO<sub>2</sub>). Alcohol resistant foam. Dry chemical.

**Unsuitable Extinguishing Media** Not determined.

#### Specific Hazards Arising from the Chemical

Vapors may travel to source of ignition and flash back. Alcohol flames may be difficult to see; the flames are virtually colorless.

**Hazardous Combustion Products** Carbon oxides.

#### 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. Use cool water to cool equipment and to disperse vapors.

### 6. ACCIDENTAL RELEASE MEASURES

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

|                                  |   |
|----------------------------------|---|
| <b>Personal Precautions</b>      | Use personal protective equipment as required.        |
| <b>Environmental Precautions</b> | See Section 12 for additional Ecological Information. |

#### Methods and material for containment and cleaning up

|                                |   |
|--------------------------------|---|
| <b>Methods for Containment</b> | Prevent further leakage or spillage if safe to do so. |
|--------------------------------|---|

**Methods for Clean-Up**

Small spills (less than 1 gallon) may be washed down a drain with lots of water or cleaned up and disposed of into a sanitary sewer system.  
Large spills (more than 1 gallon) should be contained and collected (by absorption [sand, clay, or other absorbent material] or vacuuming) then disposed of properly.

## 7. HANDLING AND STORAGE

**Precautions for safe handling**

**Advice on Safe Handling**

Keep away from heat/sparks/open flames/hot surfaces. — No smoking. Use spark-proof tools and explosion-proof equipment. Ground/bond container and receiving equipment. Take precautionary measures against static discharges.

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

**Storage Conditions**

Keep containers tightly closed in a dry, cool and well-ventilated place. Do not contaminate food or feed stuffs. Do not reuse container. Keep out of the reach of children.

**Incompatible Materials**

Strong oxidizers. Hydrogen peroxide. Bromine. Chromic acid.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Exposure Guidelines**

| Chemical Name      | ACGIH TLV      | OSHA PEL   | NIOSH IDLH   |
|--------------------|----------------|--|--|
| Ethanol<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> |

|  |                                |  |                  |
|--|--------------------------------|--|------------------|
| Glycerol<br>56-81-5  | TWA: 10 mg/m <sup>3</sup> mist | TWA: 15 mg/m <sup>3</sup> mist, total particulate<br>TWA: 5 mg/m <sup>3</sup> mist, respirable fraction<br>(vacated) TWA: 10 mg/m <sup>3</sup> mist, total particulate<br>(vacated) TWA: 5 mg/m <sup>3</sup> mist, respirable fraction | -                |
| DEA-C8-18 Perfluoroalkylethyl Phosphate<br>65530-63-4 / 65530-64-5 | None established               | None established   | None established |

**Appropriate engineering controls**

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

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

- Eye/Face Protection** Avoid contact with eyes.
- Skin and Body Protection** No special technical protective measures are necessary.
- Respiratory Protection** No protective equipment is needed under normal use conditions.
- General Hygiene Considerations** Do not get in eyes. Keep away from food and drink.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

**Information on basic physical and chemical properties**

|                       |             |                       |                |
|-----------------------|-------------|-----------------------|----------------|
| <b>Physical State</b> | Liquid      | <b>Odor</b>           | Alcohol        |
| <b>Appearance</b>     | Water clear | <b>Odor Threshold</b> | Not determined |
| <b>Color</b>          | Water clear |                       |                |

| <u>Property</u>              | <u>Values</u>      | <u>Remarks • Method</u> |
|------------------------------|--------------------|-------------------------|
| pH                           | 6.00-7.00          |                         |
| Melting Point/Freezing Point | Not established    |                         |
| Boiling Point/Boiling Range  | 100 °C / 212 °F    |                         |
| Flash Point                  | 21 °C / 70 °F      | SETA                    |
| Evaporation Rate             | Not established    |                         |
| Flammability (Solid, Gas)    | Not determined     |                         |
| Upper Flammability Limits    | Not determined     |                         |
| Lower Flammability Limit     | Not determined     |                         |
| Vapor Pressure               | Not established    |                         |
| Vapor Density                | Not established    |                         |
| Specific Gravity             | .856 - .888        |                         |
| Water Solubility             | Completely soluble |                         |
| Solubility in other solvents | Not determined     |                         |

| <u>Property</u>           | <u>Values</u>    | <u>Remarks • Method</u> |
|---------------------------|------------------|-------------------------|
| Partition Coefficient     | Not determined   |                         |
| Autoignition Temperature  | Not determined   |                         |
| Decomposition Temperature | Not determined   |                         |
| Kinematic Viscosity       | Not determined   |                         |
| Dynamic Viscosity         | <100 cps         |                         |
| Explosive Properties      | Not determined   |                         |
| Oxidizing Properties      | Not determined   |                         |
| Density                   | 7.14-7.40 lb/gal |                         |

## 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.

**Hazardous Polymerization** Hazardous polymerization does not occur.

### Conditions to Avoid

Keep out of reach of children.

### Incompatible Materials

Strong oxidizers. Hydrogen peroxide. Bromine. Chromic acid.

### Hazardous Decomposition Products

Carbon oxides.

## 11. TOXICOLOGICAL INFORMATION

### Information on likely routes of exposure

#### Product Information

**Eye Contact** Avoid contact with eyes.

**Skin Contact** Not expected to be a skin irritant during prescribed use.

**Inhalation** Avoid breathing vapors or mists.

**Ingestion** Do not taste or swallow.

### Component Information

| Chemical Name  | Oral LD50             | Dermal LD50           | Inhalation LC50          |
|--|-----------------------|-----------------------|--------------------------|
| Ethanol<br>64-17-5   | = 7060 mg/kg ( Rat )  | -                     | = 124.7 mg/L ( Rat ) 4 h |
| Glycerol<br>56-81-5  | = 12600 mg/kg ( Rat ) | > 21900 mg/kg ( Rat ) | -                        |
| DEA-C8-18 Perfluoroalkylethyl<br>Phosphate 65530-63-4 / 65530-64-5 | = 13.9 g/kg (Rat)     | Not Determined        | Not Determined           |

### Information on physical, chemical and toxicological effects

**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 |
|--------------------|-------|---------|-------|------|
| Ethanol<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  
 Group 3 IARC components are "not classifiable as human carcinogens"  
 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**

Not determined

**12. ECOLOGICAL INFORMATION**

**Ecotoxicity**

Toxic to aquatic life with long lasting effects.

| Chemical Name  | Algae/aquatic plants | Fish   | Toxicity to microorganisms | Crustacea   |
|--|----------------------|--|----------------------------|---|
| Ethanol<br>64-17-5   |                      | 12.0 - 16.0: 96 h<br>Oncorhynchus mykiss mL/L<br>LC50 static 100: 96 h<br>Pimephales promelas mg/L<br>LC50 static 13400 - 15100:<br>96 h Pimephales promelas<br>mg/L LC50 flow-through |                            | 9268 - 14221: 48 h Daphnia<br>magna mg/L LC50 10800:<br>24 h Daphnia magna mg/L<br>EC50 2: 48 h Daphnia<br>magna mg/L EC50 Static |
| DEA-C8-18<br>Perfluoroalkylethyl<br>Phosphate 65530-63-4 /<br>65530-64-5 | Not Determined       | Not Determined   | Not Determined             | Not Determined  |
| Glycerol<br>56-81-5  |                      | 51 - 57: 96 h Oncorhynchus<br>mykiss mL/L LC50 static  |                            | 500: 24 h Daphnia magna<br>mg/L EC50  |

**Persistence/Degradability**

Not determined

**Bioaccumulation**

Not determined

**Mobility**

| Chemical Name      | Partition Coefficient |
|--------------------|-----------------------|
| Ethanol<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 |
|--------------------|-----------------------------------|
| Ethanol<br>64-17-5 | Toxic<br>Ignitable                |

## 14. TRANSPORT INFORMATION

**Note** Product as shipped (8.5 oz & 1000mL) are shipped as Limited Quantity

### DOT

UN/ID No UN1170  
 Proper Shipping Name Ethanol solution  
 Hazard Class 3  
 Packing Group II

### IATA

UN/ID No UN1170  
 Proper Shipping Name Ethanol solution  
 Hazard Class 3  
 Packing Group II

### IMDG

UN/ID No UN1170  
 Proper Shipping Name Ethanol solution  
 Hazard Class 3  
 Packing Group II

## 15. REGULATORY INFORMATION

### International Inventories

Not determined

### US Federal Regulations

#### SARA 313

This product contains no ingredients that are SARA 313 reportable.

### US State Regulations

#### California Proposition 65

This product contains the following Proposition 65 chemicals.

| Chemical Name | California Proposition 65 |
|---------------|---------------------------|
| -             | -                         |

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

| Chemical Name       | New Jersey | Massachusetts | Pennsylvania |
|---------------------|------------|---------------|--------------|
| Ethanol<br>64-17-5  | X          | X             | X            |
| Glycerol<br>56-81-5 | X          | X             | X            |

## 16. OTHER INFORMATION

**NFPA**

**Health Hazards**

**Flammability**

**Instability**

**Special Hazards**

Not determined

Not determined

Not determined

Not determined

**HMIS**

**Health Hazards**

**Flammability**

**Physical Hazards**

**Personal Protection**

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3

0

0

**Issue Date**

13-Jan-15

**Revision Date:**

18-Sep-15

**Revision Note**

New Format

**DISCLAIMER:** This information relates onto to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. The information and recommendations contained herein are to the best of the manufacturer's knowledge and belief accurate and reliable as of the date indicated. No representation warranty or guarantee, however, is made with regards to accuracy, reliability or completeness. Conditions of use of the material are under the control of the user; therefore, it is the user's responsibility to satisfy itself as to the suitability and completeness of such information for its own particular use. Appropriate warnings and safe-handling procedures should be provided to handlers and users.