

## \*SAFETY DATA SHEET\*

### SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME:** McKesson Premium Instant Hand Sanitizer  
**MFR #:** 53-28032-4, 53-28033-8, 53-28035-1000, 53-28037-18

**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 gelled 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:** Clear blue gel

**Physical State** Gel

**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 CO2, 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 (CO2). 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 | -                                                                                                             |
| Isopropyl alcohol<br>67-63-0 | STEL: 400 ppm<br>TWA: 200 ppm  | TWA: 400 ppm<br>TWA: 980 mg/m <sup>3</sup><br>(vacated) TWA: 400 ppm<br>(vacated) TWA: 980 mg/m <sup>3</sup><br>(vacated) STEL: 500 ppm<br>(vacated) STEL: 1225 mg/m <sup>3</sup>                                                      | IDLH: 2000 ppm<br>TWA: 400 ppm<br>TWA: 980 mg/m <sup>3</sup><br>STEL: 500 ppm<br>STEL: 1225 mg/m <sup>3</sup> |

## 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>        | Gel                | <b>Odor</b>             | Alcohol        |
| <b>Appearance</b>            | Clear blue gel     | <b>Odor Threshold</b>   | Not determined |
| <b>Color</b>                 | blue               |                         |                |
| <b>Property</b>              | <b>Values</b>      | <b>Remarks • Method</b> |                |
| pH                           | 6.00-8.00          |                         |                |
| 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             | .858 - .882        |                         |                |
| Water Solubility             | Completely soluble |                         |                |
| Solubility in other solvents | Not determined     |                         |                |
| <b>Property</b>              | <b>Values</b>      | <b>Remarks • Method</b> |                |
| Partition Coefficient        | Not determined     |                         |                |
| Autoignition Temperature     | Not determined     |                         |                |
| Decomposition Temperature    | Not determined     |                         |                |
| Kinematic Viscosity          | Not determined     |                         |                |
| Dynamic Viscosity            | 6000-10000 cps     |                         |                |
| Explosive Properties         | Not determined     |                         |                |

**Oxidizing Properties**  
**Density**

Not determined  
7.15-7.35 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 |
| Carbomer<br>9003-01-4           | = 2500 mg/kg ( Rat )  | -                                              | -                        |
| Glycerol<br>56-81-5             | = 12600 mg/kg ( Rat ) | > 21900 mg/kg ( Rat )                          | -                        |
| Isopropyl alcohol<br>67-63-0    | = 4396 mg/kg ( Rat )  | = 12800 mg/kg ( Rat ) = 12870 mg/kg ( Rabbit ) | = 72.6 mg/L ( Rat ) 4 h  |
| Isopropyl Myristate<br>110-27-0 | > 10000 mg/kg ( Rat ) | = 5 g/kg ( Rabbit )                            | > 41 mg/L ( Rat )        |
| Propylene Glycol<br>25322-69-4  | > 2 g/kg ( Rat )      | -                                              | -                        |

### 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

Isopropyl Alcohol (IPA) is listed as an IARC Monograph Group 3 chemical. However, IARC Group 3 chemicals are "not classifiable as human carcinogens". IPA is classified as an IARC Group 1 chemical ONLY when manufactured by the strong-acid process. The IPA used in this product is NOT manufactured by the strong-acid process and is therefore not classifiable as a human carcinogen. 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 |
| Carbomer<br>9003-01-4           |                                                                                                    | 580: 96 h Lepomis<br>macrochirus mg/L LC50                                                                                                                                             |                            | 168: 96 h water flea mg/L<br>EC50                                                                                                 |
| 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                                                                                              |
| Isopropyl alcohol<br>67-63-0    | 1000: 96 h Desmodesmus<br>subspicatus mg/L EC50<br>1000: 72 h Desmodesmus<br>subspicatus mg/L EC50 | 9640: 96 h Pimephales<br>promelas mg/L LC50 flow-<br>through 11130: 96 h<br>Pimephales promelas mg/L<br>LC50 static 1400000: 96 h<br>Lepomis macrochirus µg/L<br>LC50                  |                            | 13299: 48 h Daphnia magna<br>mg/L EC50                                                                                            |
| Isopropyl Myristate<br>110-27-0 | 100: 72 h Desmodesmus<br>subspicatus mg/L EC50                                                     | 8400: 96 h Brachydanio rerio<br>mg/L LC50 semi-static 8400:<br>96 h Brachydanio rerio mg/L<br>LC50                                                                                     |                            | 100: 48 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

|                               |                                                                                                     |
|-------------------------------|-----------------------------------------------------------------------------------------------------|
| <b>Disposal of Wastes</b>     | Disposal should be in accordance with applicable regional, national and local laws and regulations. |
| <b>Contaminated Packaging</b> | 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** This product as packaged in 4oz, 8oz, 18oz & 1000mL is 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

| Chemical Name               | CAS No  | Weight-% | SARA 313 - Threshold Values % |
|-----------------------------|---------|----------|-------------------------------|
| Isopropyl alcohol - 67-63-0 | 67-63-0 | 0.25     | 1.0                           |

## US State Regulations

### California Proposition 65

This product contains the following Proposition 65 chemicals.

| Chemical Name     | California Proposition 65   |
|-------------------|-----------------------------|
| Ethanol - 64-17-5 | Carcinogen<br>Developmental |

### 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            |
| Isopropyl alcohol<br>67-63-0 | X          | X             | X            |

## 16. OTHER INFORMATION

### NFPA

### Health Hazards

### Flammability

### Instability

### Special Hazards

### HMIS

### Health Hazards

### Flammability

### Physical Hazards

### Personal Protection

0

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0

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Revision Note

New format

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