SECTION 1: Identification of the substance/mixture and of the company/undertaking

1. Product identifier
   - Product name: INSTANT HAND SANITIZER
   - Product code: RHG 4520
   - Type of product: Alcohol Hand Sanitizer
   - SKU #: FG450030

1.2. Relevant identified uses of the substance or mixture and uses advised against
   1.2.1. Relevant identified uses
       Industrial/Professional use spec: For professional use only

   1.2.2. Uses advised against
       No additional information available

1.3. Details of the supplier of the safety data sheet
   Rubbermaid Commercial Products LLC
   3124 Valley Avenue
   VA 22601-2694 Winchester - USA
   T (540) 6678700
   www.rubbermaidcommercial.com

1.4. Emergency telephone number
   Emergency number: 24-Hour Emergency: INFOTRAC: 1-800535-5063

SECTION 2: Hazards identification

This product is considered flammable. Mixture of water, mild surfactants, preservative and alcohol. This is a consumer care product that is safe for consumers when used according to the label directions. Potential hazards that may occur if product is not used according to the consumer label are as follows: Direct contact with the eye may cause irritation. This product is not hazardous according to OSHA 29CFR 1910.1200. Information on the composition may be found in the ingredients declaration on the packaging.

SECTION 3: Composition/information on ingredients

3.1. Substance
   Not applicable

3.2. Mixture

<table>
<thead>
<tr>
<th>Component</th>
</tr>
</thead>
<tbody>
<tr>
<td>ALCOHOL</td>
</tr>
<tr>
<td>AQUA</td>
</tr>
<tr>
<td>ISOPROPYL ALCOHOL</td>
</tr>
<tr>
<td>SODIUM LACTATE</td>
</tr>
<tr>
<td>Lactic Acid</td>
</tr>
<tr>
<td>HYDROXYPROPYLCELLULOSE</td>
</tr>
</tbody>
</table>

SECTION 4: First aid measures

4.1. Description of first aid measures
   - First-aid measures after skin contact: None under normal use.
   - First-aid measures after eye contact: Rinse cautiously with water for several minutes. If eye irritation persists: Get medical advice/attention. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical advice/attention.
   - First-aid measures after ingestion: Get medical advice/attention if you feel unwell. Drink plenty of water. Do NOT induce vomiting.

4.2. Most important symptoms and effects, both acute and delayed
   - Symptoms/injuries: Not applicable.
Symptoms/injuries after eye contact: Causes serious eye irritation.

4.3. Indication of any immediate medical attention and special treatment needed
Not applicable.

SECTION 5: Firefighting measures

5.1. Extinguishing media

5.2. Special hazards arising from the substance or mixture
Fire hazard: Highly flammable liquid and vapour.
Explosion hazard: May form flammable/explosive vapour-air mixture.
Hazardous decomposition products in case of fire: Not applicable.

5.3. Advice for firefighters
Other information: Not applicable.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures
General measures: Take up liquid spill into absorbent material. Remove ignition sources. Use special care to avoid static electric charges. No open flames. No smoking.

6.1.1. For non-emergency personnel
No additional information available

6.1.2. For emergency responders
No additional information available

6.2. Environmental precautions
No additional information available

6.3. Methods and material for containment and cleaning up
Methods for cleaning up: Take up liquid spill into absorbent material.
Other information: Can be slippery on hard, smooth walking area.

6.4. Reference to other sections
For further information refer to section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling
Additional hazards when processed: Handle empty containers with care because residual vapours are flammable.
Precautions for safe handling: Not applicable. No open flames. No smoking. Use only non-sparking tools.
Hygiene measures: None under normal use.

7.2. Conditions for safe storage, including any incompatibilities
Technical measures: Comply with applicable regulations. Proper grounding procedures to avoid static electricity should be followed. Ground/bond container and receiving equipment.
Storage conditions: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Keep only in original container. Keep cool. Keep in fireproof place. Keep container tightly closed.
Incompatible materials: Heat sources.

7.3. Specific end use(s)
Not applicable.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

<table>
<thead>
<tr>
<th>ISOPROPYL ALCOHOL (67-63-0)</th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>USA - ACGIH</td>
<td>Local name</td>
<td>2-Propanol</td>
</tr>
<tr>
<td>USA - ACGIH</td>
<td>ACGIH TWA (ppm)</td>
<td>200 ppm</td>
</tr>
<tr>
<td>USA - ACGIH</td>
<td>ACGIH STEL (ppm)</td>
<td>400 ppm</td>
</tr>
<tr>
<td>USA - ACGIH</td>
<td>Remark (ACGIH)</td>
<td>Eye &amp; URT irr; CNS impair</td>
</tr>
<tr>
<td>USA - OSHA</td>
<td>Local name</td>
<td>Isopropyl alcohol</td>
</tr>
<tr>
<td>USA - OSHA</td>
<td>OSHA PEL (TWA) (mg/m³)</td>
<td>980 mg/m³</td>
</tr>
</tbody>
</table>
INSTANT HAND SANITIZER

Data Sheet


<table>
<thead>
<tr>
<th>ISOPROPYL ALCOHOL (67-63-0)</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>USA - OSHA</td>
<td>OSHA PEL (TWA) (ppm)</td>
</tr>
</tbody>
</table>

**Alcohol (64-17-5)**

<table>
<thead>
<tr>
<th>USA - OSHA</th>
<th>Local name</th>
<th>Ethanol</th>
</tr>
</thead>
<tbody>
<tr>
<td>USA - ACGIH</td>
<td>ACGIH STEL (ppm)</td>
<td>1000 ppm</td>
</tr>
<tr>
<td>USA - ACGIH</td>
<td>Remark (ACGIH)</td>
<td>URT irr</td>
</tr>
<tr>
<td>USA - OSHA</td>
<td>Local name</td>
<td>Ethyl alcohol (Ethanol)</td>
</tr>
<tr>
<td>USA - OSHA</td>
<td>OSHA PEL (TWA) (mg/m³)</td>
<td>1900 mg/m³</td>
</tr>
<tr>
<td>USA - OSHA</td>
<td>OSHA PEL (TWA) (ppm)</td>
<td>1000 ppm</td>
</tr>
</tbody>
</table>

Additional information : Not applicable

8.2. Exposure controls

Eye protection : None under normal use
Respiratory protection : None under normal use

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

- Physical state : Liquid
- Appearance : Transparent.
- Colour : clear.
- Odour : odourless.
- Odour threshold : No data available
- pH : 5.5 - 6.5
- Relative evaporation rate (butylacetate=1) : No data available
- Melting point : No data available
- Freezing point : No data available
- Boiling point : > 78 °C
- Flash point : 20 °C
- Auto-ignition temperature : No data available
- Decomposition temperature : No data available
- Flammability (solid, gas) : Highly flammable liquid and vapour
- Vapour pressure : No data available
- Relative vapour density at 20 °C : No data available
- Relative density : 0.89 - 0.9
- Solubility : No data available
- Log Pow : No data available
- Viscosity, kinematic : 10 - 12 seconds (DIN 53211)
- Viscosity, dynamic : No data available
- Explosive properties : No data available
- Oxidising properties : No data available
- Explosive limits : No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

Not applicable.

10.2. Chemical stability

Not applicable. Highly flammable liquid and vapour. May form flammable/explosive vapour-air mixture.

10.3. Possibility of hazardous reactions

Not applicable.

10.4. Conditions to avoid

Not applicable. Open flame. Direct sunlight.
**INSTANT HAND SANITIZER**

Data Sheet


### 10.5. Incompatible materials

Not applicable.

### 10.6. Hazardous decomposition products

Not applicable. May release flammable gases.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

#### Acute toxicity

<table>
<thead>
<tr>
<th>Substance</th>
<th>LD50 oral rat</th>
<th>LD50 oral</th>
<th>LD50 dermal rat</th>
<th>LD50 dermal</th>
<th>LC50 inhalation rat (Dust/Mist - mg/l/4h)</th>
</tr>
</thead>
<tbody>
<tr>
<td>ISOPROPYL ALCOHOL (67-63-0)</td>
<td>2000 mg/kg</td>
<td>4396 mg/kg bodyweight</td>
<td>2000 mg/kg</td>
<td>12800 mg/kg bodyweight</td>
<td>46600 mg/m³</td>
</tr>
<tr>
<td>Alcohol (64-17-5)</td>
<td>7060 mg/kg</td>
<td>10470 mg/kg bodyweight</td>
<td>&gt; 16000 mg/kg</td>
<td>15800 mg/kg bodyweight</td>
<td>&gt; 99999 mg/m³</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Substance</th>
<th>LC50 fish 1</th>
<th>EC50 Daphnia 1</th>
<th>EC50 other aquatic organisms 1</th>
<th>EC50 other aquatic organisms 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>ISOPROPYL ALCOHOL (67-63-0)</td>
<td>100 mg/l</td>
<td>100 mg/l</td>
<td>13299 mg/l EC50 waterflea (48 h)</td>
<td>&gt; 1000 mg/l IC50 algea (72 h) mg/l</td>
</tr>
<tr>
<td>Alcohol (64-17-5)</td>
<td>13000 mg/l</td>
<td>9300 mg/l</td>
<td>5012 mg/l EC50 waterflea (48 h)</td>
<td>275 mg/l IC50 algea (72 h) mg/l</td>
</tr>
</tbody>
</table>

#### Skin corrosion/irritation

<table>
<thead>
<tr>
<th>Substance</th>
<th>Not classified</th>
</tr>
</thead>
<tbody>
<tr>
<td>pH</td>
<td>5.5 - 6.5</td>
</tr>
</tbody>
</table>

#### Serious eye damage/irritation

<table>
<thead>
<tr>
<th>Substance</th>
<th>Not classified</th>
</tr>
</thead>
<tbody>
<tr>
<td>pH</td>
<td>5.5 - 6.5</td>
</tr>
</tbody>
</table>

#### Respiratory or skin sensitisation

<table>
<thead>
<tr>
<th>Substance</th>
<th>Not classified</th>
</tr>
</thead>
<tbody>
<tr>
<td>Germ cell mutagenicity</td>
<td>Not classified</td>
</tr>
<tr>
<td>Carcinogenicity</td>
<td>Not classified</td>
</tr>
<tr>
<td>Reproductive toxicity</td>
<td>Not classified</td>
</tr>
<tr>
<td>Specific target organ toxicity (single exposure)</td>
<td>Not classified</td>
</tr>
<tr>
<td>Specific target organ toxicity (repeated exposure)</td>
<td>Not classified</td>
</tr>
</tbody>
</table>

#### Aspiration hazard

| Substance                  | Not classified |

## SECTION 12: Ecological information

### 12.1. Toxicity

Ecology - general: The product is not considered harmful to aquatic organisms or to cause long-term adverse effects in the environment.

<table>
<thead>
<tr>
<th>Substance</th>
<th>LC50 fish 1</th>
<th>EC50 Daphnia 1</th>
<th>EC50 other aquatic organisms 1</th>
<th>EC50 other aquatic organisms 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>ISOPROPYL ALCOHOL (67-63-0)</td>
<td>100 mg/l</td>
<td>100 mg/l</td>
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<td>&gt; 1000 mg/l IC50 algea (72 h) mg/l</td>
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<td>275 mg/l IC50 algea (72 h) mg/l</td>
</tr>
</tbody>
</table>

### 12.2. Persistence and degradability

**INSTANT HAND SANITIZER**

Persistence and degradability: Not applicable.

**Alcohol (64-17-5)**

Persistence and degradability: Not established.
12.3. Bioaccumulative potential

<table>
<thead>
<tr>
<th>INSTANT HAND SANITIZER</th>
<th>Bioaccumulative potential</th>
<th>Not applicable.</th>
</tr>
</thead>
</table>

**ISOPROPYL ALCOHOL (67-63-0)**

| Log Pow | 0.14 |

<table>
<thead>
<tr>
<th>Alcohol (64-17-5)</th>
<th>Log Pow</th>
<th>-0.3</th>
</tr>
</thead>
</table>

| Bioaccumulative potential | Not established. |

12.4. Mobility in soil

| INSTANT HAND SANITIZER | Ecology - soil | Not applicable. |

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

Other adverse effects : Not applicable.

**SECTION 13: Disposal considerations**

13.1. Waste treatment methods

Waste disposal recommendations : Refer to manufacturer/supplier for information on recovery/recycling. Dispose of contents/container to an approved waste disposal plant.

Additional information : Handle empty containers with care because residual vapours are flammable.

**SECTION 14: Transport information**

In accordance with DOT

<table>
<thead>
<tr>
<th>Transport document description</th>
<th>UN1170 Ethanol solutions, 3, II</th>
</tr>
</thead>
<tbody>
<tr>
<td>UN-No.(DOT)</td>
<td>UN1170</td>
</tr>
<tr>
<td>Proper Shipping Name (DOT)</td>
<td>Ethanol solutions</td>
</tr>
<tr>
<td>Transport hazard class(es) (DOT)</td>
<td>3 - Class 3 - Flammable and combustible liquid 49 CFR 173.120</td>
</tr>
<tr>
<td>Hazard labels (DOT)</td>
<td>3 - Flammable liquid</td>
</tr>
</tbody>
</table>

Packing group (DOT) : II - Medium Danger

DOT Special Provisions (49 CFR 172.102) : 24 - Alcoholic beverages containing more than 70 percent alcohol by volume must be transported as materials in Packing Group II. Alcoholic beverages containing more than 24 percent but not more than 70 percent alcohol by volume must be transported as materials in Packing Group III.

IB2 - Authorized IBCs: Metal (31A, 31B and 31N); Rigid plastics (31H1 and 31H2); Composite (31HZ1). Additional Requirement: Only liquids with a vapor pressure less than or equal to 110 kPa at 50 C (1.1 bar at 122 F), or 130 kPa at 55 C (1.3 bar at 131 F) are authorized.

T4 - 2.65 178.274(d)(2) Normal............. 178.275(d)(3)

TP1 - The maximum degree of filling must not exceed the degree of filling determined by the following: Degree of filling = 97 / (1 + a (tr - tf)) Where: tr is the maximum mean bulk temperature during transport, and tf is the temperature in degrees celsius of the liquid during filling.

DOT Packaging Exceptions (49 CFR 173.xxx) : 4b;150

DOT Packaging Non Bulk (49 CFR 173.xxx) : 202

DOT Packaging Bulk (49 CFR 173.xxx) : 242

DOT Quantity Limitations Passenger aircraft/rail (49 CFR 173.27) : 5 L

DOT Quantity Limitations Cargo aircraft only (49 CFR 175.75) : 60 L

DOT Vessel Stowage Location : A - The material may be stowed “on deck” or “under deck” on a cargo vessel and on a passenger vessel.

Additional information : No supplementary information available.
INSTANT HAND SANITIZER

Data Sheet


ADR
Transport document description : UN 1170 ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION), 3, II, (D/E)
Packing group (ADR) : II
Class (ADR) : 3 - Flammable liquid
Hazard identification number (Kemler No.) : 33
Classification code (ADR) : F1
Danger labels (ADR) : 3 - Flammable liquids

Orange plates

Tunnel restriction code (ADR) : D/E
LQ : 1l
Excepted quantities (ADR) : E2

Transport by sea
UN-No. (IMDG) : 1170
Proper Shipping Name (IMDG) : ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION)
Class (IMDG) : 3 - Flammable liquids
Packing group (IMDG) : II - substances presenting medium danger

Air transport
UN-No. (IATA) : 1170
Proper Shipping Name (IATA) : Ethanol solution
Class (IATA) : 3 - Flammable Liquids
Packing group (IATA) : II - Medium Danger

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1. United States regulations

Occupational safety and health act: Hazard Communication Standard, 29 CFR 1910.1200(g) Appendix D: The Occupational Safety and Health Administration (OSHA) require that the Safety Data Sheets (SDSs) are readily accessible to employees for all hazardous chemicals in the workplace. Since the use pattern and exposure in the workplace are generally not consistent with those experienced by consumers, this SDS may contain health hazard information not relevant to consumer use.

United States Regulatory Information:
TSCA 8 (b) Inventory Status: All components are listed or are exempt from listing on the Toxic Substances Control Act Inventory.
TSCA 12 (b) Export Notification: None above reporting de minimis
CERCLA/SARA Section 302: None above reporting de minimis
CERCLA/SARA Section 311/312: Not available.
CERCLA/SARA Section 313: None above reporting de minimis
California Proposition 65: No California Proposition 65 listed chemicals are known to be present.

Canada Regulatory Information:
CEPA DSL/NDSL Status: This product has been classified in accordance with the hazard criteria of the CPR and the SDS contains all the information required by the CPR

15.1.2. National regulations
No additional information available
15.2. Chemical safety assessment

No additional information available

SECTION 16: Other information

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.