



## MATERIAL SAFETY DATA SHEET

ACCORDING TO ANSI- Z400.1-1993 16-SECTION MSDS FORMAT.

DATE: August 28, 2006

NUMBER: RJSSH060873MSDSUS

### SECTION I - IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY/UNDERTAKING

PRODUCT IDENTITY (As Used on Label and List)

Product Name: HAND SANITIZER

TYPE: AG-237 AG-2 AG-340 AG-1

### SECTION II - COMPOSITION/INFORMATION ON INGREDIENTS

Composition Information on Ingredients:

| Chemical Name    | CAS No.   | Percent  | OSHA PEL (mg/m <sup>3</sup> ) | ACGIH TLV (mg/m <sup>3</sup> ) |
|------------------|-----------|----------|-------------------------------|--------------------------------|
| Deionized Water  | 7732-18-5 | ≥36%     | N/E                           | N/E                            |
| Carbomer         | 9003-01-4 | 0.2-0.5% | N/E                           | N/E                            |
| Glycerin         | 56-81-5   | 0.2-0.5% | 5 mg/m <sup>3</sup> as mist   | 10 mg/m <sup>3</sup> as mist   |
| Propylene glycol | 57-55-6   | 0.2-0.5% | N/E                           | N/E                            |
| Triethanolamine  | 102-71-6  | 0.4-1.0% | N/E                           | N/E                            |
| Ethyl alcohol    | 64-17-5   | 45-62%   | OEL 1000 mg/m <sup>3</sup>    | N/E                            |

**Note:**

PEL=Permissible Exposure Limit, TLV=Threshold Limit Value.

OEL=Occupational Exposure Limit, N/A = Not Applicable/ Not Available.

OSHA Hazardous Components (29 CFR 1910.1200): N/E = Not Established

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### SECTION III - HAZARDS IDENTIFICATION

**Route of entry:** Dermal, ocular, oral, inhalation.

**Symptoms of Exposure:**

This product is considered safe for its intended use.

**Skin:** allergic or sensitivity reactions are possible, causing irritation or redness.

**Eye:** irritation, burning/stinging. Use of this product should be discontinued any time a reaction occurs.

**Ingestion:** Unlikely to occur due to the physical properties of the product. A physician, emergency room or Poison Control Center should be called any time the product is ingested orally.

**Inhalation:** May cause irritation of the nasal mucosa and respiratory tract.

**Note:** Read the entire MSDS for a more thorough evaluation of the hazards.

### SECTION IV - FIRST AID MEASURES

**Eye Contact:** Remove the product if worn. Immediately rinse eyes with plenty of water, occasionally lifting upper and lower lids, until no evidence of product remains. Get medical attention if pain or irritation persists.

**Skin Contact:** If skin irritation, allergic reaction, or rash occur, remove contaminated clothing if required, then physically remove as much of the product as possible and thoroughly flush the area with water. If irritation persists, seek medical attention.

**Ingestion:** Product is water miscible with low toxicity. Do not induce vomiting as aspiration of the product might occur. Drink large amounts of water. In cases where the ingestion of a large amount is suspected, experienced medical personnel may perform gastric lavage.

**Inhalation:** Remove to fresh air. If not breathing, perform artificial respiration. If breathing is difficult, give oxygen. Obtain appropriate medical attention.

### SECTION V - FIRE FIGHTING MEASURES

**Flash Point:** N/A

**Autoignition Temperature:** N/A

**Upper Flame Limit (Volume % in air):** N/A

**Lower Flame Limit (Volume % in air):** N/A

**Extinguishing Media:** ABC all purpose extinguisher, Water, CO<sub>2</sub>, alcohol-resistant foam.

**Flammability Classification:** This product is combustible. Considered to be a fire hazard.

**Special Fire Fighting Procedures:** Wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective clothing. Fight fire from the maximum distance. Evacuate area.

**Unusual Fire and Explosion Hazards:** This product is a hydro-alcoholic gel and may present a fire or explosion hazard.



**NFPA Hazard Code:**

Health: 0

Flammability: 3

Reactivity: 0

Special Hazard: None

## SECTION VI - ACCIDENTAL RELEASE MEASURES

**In Case Of Spill Or Other Releases:**

**Small spills:** Absorb with paper, towel or other appropriate media. Use soap and water to clean the area.

**Large Spills:** Collect in a suitable container or by use of an absorbent pad. Keep product out of drains; prevent entry to surface water, groundwater and soil.

**Spills and releases may have to be reported to Federal and/or local authorities. See the Regulatory Information section (XV) regarding reporting requirements.**

## SECTION VII - HANDLING AND STORAGE

**Handling:** Keep far away from fire sources. Avoid heating product when handling. Washing thoroughly after handling. Avoid contact with eyes and ingestion.

**Storage:** Store in a cool, dry, and well-ventilated area and away from sources of ignition, excessive heat and direct sunlight. Keep container closed when not in use. Separate from strong oxidizers. Put it lightly when packing and transport, prevent the packing and container from damage.

## SECTION VIII - EXPOSURE CONTROLS/PERSONAL PROTECTION

**Not required personal protection in normal use.**

**The following information assumes large quantities of the product such as might be encountered in warehouse storage or an industrial accident.**

**Ventilation:** Use general or local exhaust.

**Eye/Face Protection:** Safety glasses are required to prevent eye contact where splashing of product may occur.

**Respiratory Protection:** Airborne concentrations should be kept to lowest levels. If vapor is generated, use respirator approved by OSHA or NIOSH as appropriate.

**Protective Clothing:** Protective clothing is required where repeated or prolonged skin contact may occur. Wash after use and before eating, drinking or smoking.

**Skin Protection:** Chemical-resistant gloves are required where repeated or prolonged skin contact may occur.

**Work/Hygienic Practices:** After complete the work, taking off the clothes and having a bath, avoiding a long-term getting in touch with it.





## Section IX - PHYSICAL AND CHEMICAL PROPERTIES

**Appearance and Odor:**

**Physical State:** Transparent gel.

**Odor:** Lemon, strawberry and apple etc.

**Solubility In Water:** Soluble

**Viscosity:** > 5000cp

**pH:** 6.5-8.5

## SECTION X - STABILITY AND REACTIVITY

**Normally Stable:**

This product is stable under ordinary conditions of use and storage.

**Incompatibilities:**

Strong oxidizers.

**Conditions to Avoid:**

Avoid direct sunlight, excessive heat and physical damage.

**Hazardous Decomposition Products:**

Carbon Dioxide, and Carbon Monoxide may be produced during pyrolysis.

**Hazardous Polymerization:**

Will not occur.

## SECTION XI - TOXICOLOGICAL INFORMATION

**Carcinogenicity:**

IARC: Not established.

National Toxicology Program: Not established.

OSHA: Not established.

California Prop 65: No listed ingredient.

**Reproduction Toxicity:** Not available.

**Teratogenicity:** Not available

**Mutagenicity:** Not available

**Synergistic Products:** Not available

**Irritancy of Product:** See Section III.

## SECTION XII - ECOLOGICAL INFORMATION

**Environmental Toxicity:**

On the basis of available information, this product is biodegradable and not expected to produce any significant adverse environmental effects when recommended use instructions are followed.

**SECTION XIII - DISPOSAL CONSIDERATIONS****Waste Disposal Method:**

Recover or recycle if possible. Material should be disposed of by placing in a landfill or by incineration in accordance with relevant Federal, State, and Local regulations. This product meets the definition of hazardous waste as defined in 40CFR 261.11.

**SECTION XIV - TRANSPORT INFORMATION**

**Packaged Product:** DOT Class Consumer Commodity ORM-D

**Bulk Product:**

UN - No1170

Packing group - II (Medium danger)

Hazard class - 3.0 (Flammable Liquid)

Follow all regulations in your country.

**SECTION XV - REGULATORY INFORMATION**

|                  |                                 |
|------------------|---------------------------------|
| Glycerin         | R36 R38                         |
| Propylene glycol | R36 R38                         |
| Triethanolamine  | R36 R37 R38                     |
| Ethyl alcohol    | R11 R20 R21 R22 R36 R37 R38 R40 |

**SECTION XVI - OTHER INFORMATION**

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. RJS Standard Testing & Certification Center shall not be held liable for any damage resulting from handling or from contact with the above product. See reverse side of invoice or packing slip for additional terms and conditions of sale. License granted to make unlimited paper copies for internal use only.

**NOTE**

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