

## Safety Data Sheet RESPONSIBLE Advanced Hand Sanitizing Gel IPA

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### SECTION 1: Identification

#### 1.1 Product identifier

Product name RESPONSIBLE Advanced Hand Sanitizing Gel IPA

#### 1.2 Other means of identification

Not applicable

#### 1.3 Recommended use of the chemical and restrictions on use

Hand Sanitizer. For specific intended-use guidance, please refer to the information provided on the package or instruction sheet.

#### 1.4 Supplier's details

Name Clover Technologies  
Address 2700 W Higgins Rd #100  
Hoffman Estates, IL 60169  
USA

Telephone (855) 945-0715

#### 1.5 Emergency phone number(s)

(855) 945-4286

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### SECTION 2: Hazard identification

#### 2.1 Classification of the substance or mixture

GHS classification in accordance with: (US) OSHA (29 CFR 1910.1200)

- Eye damage/irritation, Cat. 2A
- Specific target organ toxicity (single exposure), Cat. 3
- Flammable liquids, Cat. 2

#### 2.2 GHS label elements, including precautionary statements

##### Pictogram



##### Signal word

Danger

##### Hazard statement(s)

H225

Highly flammable liquid and vapor

H319 Causes serious eye irritation  
H336 May cause drowsiness or dizziness

**Precautionary statement(s)**

P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking.  
P233 Keep container tightly closed.  
P240 Ground/bond container and receiving equipment.  
P241 Use explosion-proof electrical/ventilating/lighting equipment.  
P242 Use only non-sparking tools.  
P243 Take precautionary measures against static discharge.  
P261 Avoid breathing dust/fume/gas/mist/vapors/spray.  
P264 Wash thoroughly after handling.  
P271 Use only outdoors or in a well-ventilated area.  
P280 Wear eye protection/face protection/protective gloves.  
P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.  
P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.  
P312 Call a POISON CENTER/doctor if you feel unwell.  
P337+P313 If eye irritation persists: Get medical advice/attention.  
P403+P233+P235 Store in a well-ventilated place. Keep container tightly closed. Keep cool.  
P405 Store locked up.  
P501 Dispose of contents/container in accordance with applicable Federal, State and local laws and regulations

**2.3 Hazards not otherwise classified**  
Overexposure may cause mild skin irritation and dryness.

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**SECTION 3: Composition/information on ingredients**

**3.1 Substances**

Not applicable

**3.2 Mixtures**

**Components**

| <b>Component</b>   | <b>Concentration</b> |
|--|----------------------|
| Isopropanol (CAS no.: 67-63-0; EC no.: 414-810-0)                            | 70 %                 |
| Purified Water (CAS no.: 7732-18-5; EC no.: 231-791-2)                       | Proprietary*         |
| Glycerin (UNII: PDC6A3C0OX; CAS no.: 56-81-5; EC no.: 200-289-5)             | Proprietary*         |
| Aloe arborescens leaf (UNII: 09TD8L5SQV; CAS no.: 85507-69-3)                | Proprietary*         |
| Tocopheryl acetate (CAS no.: 7695-91-2; EC no.: 231-710-0)                   | Proprietary*         |
| Hydrogen peroxide (UNII: BBX060AN9V; CAS no.: 7722-84-1; EC no.: 231-765-0)  | Proprietary*         |
| Propylene glycol (UNII: 6DC9Q167V3; CAS no.: 57-55-6; EC no.: 200-338-0)     | Proprietary*         |
| Isopropyl myristate (UNII: 0RE8K4LNJS; CAS no.: 110-27-0; EC no.: 203-751-4) | Proprietary*         |
| Acrylic polymer  | Proprietary*         |

**Trade secret statement (OSHA 1910.1200(i))**

\*The specific chemical identities and/or actual concentrations or actual concentration ranges for one or more listed components are being withheld as trade secrets under the US regulation 29 CFR 1910.1200(i).

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## **SECTION 4: First-aid measures**

### **4.1 Description of necessary first-aid measures**

|                         |   |
|-------------------------|---|
| General advice          | Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.   |
| If inhaled              | Remove to fresh air, keep patient warm and at rest. If breathing is irregular or stopped, give artificial respiration. If symptoms persist, get medical attention.  |
| In case of skin contact | Not normally required. Call a poison center or doctor if irritation develops or persists. Wash with plenty of water as a precaution.  |
| In case of eye contact  | Rinse cautiously with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If irritation persists, get medical attention.   |
| If swallowed            | If vomiting occurs naturally, have victim lean forward to reduce the risk of aspiration. Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Call a poison center or doctor. |

### **4.2 Most important symptoms/effects, acute and delayed**

The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11.

|                         |  |
|-------------------------|--|
| In case of eye contact  | Causes serious eye irritation. Signs/symptoms may include redness, swelling, pain, tearing, and blurred or hazy vision.                              |
| If inhaled              | May cause drowsiness or dizziness, headache, tiredness, nausea and vomiting.   |
| In case of skin contact | Overexposure may cause skin irritation. Signs/symptoms may include localized redness, dryness, swelling, and itching.                                |
| If swallowed            | May cause gastrointestinal irritation. Signs/symptoms may include abdominal pain, stomach upset, nausea, dizziness, headache, vomiting and diarrhea. |

### **4.3 Indication of immediate medical attention and special treatment needed, if necessary**

Treat symptomatically and supportively.

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## **SECTION 5: Fire-fighting measures**

### **5.1 Suitable extinguishing media**

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

### **5.2 Specific hazards arising from the chemical**

Highly flammable liquid and vapor. Beware of vapors accumulating to form explosive concentrations. Container explosion may occur under fire conditions. Hazardous combustion products: Carbon oxides and other hazardous fumes and gases.

### **5.3 Special protective actions for fire-fighters**

Wear self-contained breathing apparatus for firefighting if necessary.

**Further information**

Use water spray to cool unopened containers.

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**SECTION 6: Accidental release measures**

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

Use personal protective equipment. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition (no smoking, flares, sparks or flames). Take measures to prevent the build up of electrostatic charge. Evacuate personnel to safe areas. Beware of vapors accumulating to form explosive concentrations. Vapors can accumulate in low areas. For personal protection see section 8.

**6.2 Environmental precautions**

Do not let product enter drains.

**6.3 Methods and materials for containment and cleaning up**

Eliminate all sources of ignition. Stop leak if you can do it without risk. Soak up with inert absorbent material. Keep in suitable, closed containers for disposal.

**Reference to other sections**

For disposal see section 13.

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**SECTION 7: Handling and storage**

**7.1 Precautions for safe handling**

Handle in accordance with good industrial hygiene and safety practice. Avoid contact with eyes. Avoid inhalation and ingestion. Use explosion-proof equipment. Use only non-sparking tools. Keep away from sources of ignition. No smoking. Take measures to prevent the build up of electrostatic charge. Use according to package label instructions. For precautions see section 2.

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

Keep container tightly closed in a dry, cool and well-ventilated place. Keep away from heat, sparks, flame and other sources of ignition. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Store in accordance with applicable Federal, State and local laws and regulations.

**Specific end use(s)**

Apart from the uses mentioned in section 1 no other specific uses are stipulated.

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**SECTION 8: Exposure controls/personal protection**

**8.1 Control parameters**

**Isopropanol (CAS no.: 67-63-0)**

PEL-TWA: 400 ppm (980 mg/m<sup>3</sup>) (OSHA)

REL-TWA: 400 ppm (980 mg/m<sup>3</sup>) (NIOSH)

REL-STEL: 500 ppm (1225 mg/m<sup>3</sup>) (NIOSH)

TLV-TWA: 200 ppm (ACGIH)

TLV-STEL: 400 ppm (ACGIH)

PEL-TWA: 400 ppm (980 mg/m<sup>3</sup>) (Cal/OSHA)

PEL-STEL: 500 ppm (1225 mg/m<sup>3</sup>) (Cal/OSHA)

**Glycerin (CAS no.: 56-81-5)**

PEL-TWA: 15 mg/m<sup>3</sup> (total dust), 5 mg/m<sup>3</sup> (respirable) (OSHA)

PEL-TWA: 10 mg/m<sup>3</sup> (total dust), 5 mg/m<sup>3</sup> (respirable fraction) (Cal/OSHA)

**Hydrogen peroxide (CAS no.: 7722-84-1)**

PEL-TWA: 1 ppm (1.4 mg/m<sup>3</sup>) (OSHA)  
REL-TWA: 1 ppm (1.4 mg/m<sup>3</sup>) (NIOSH)  
TLV-TWA: 1 ppm (ACGIH)  
PEL-TWA: 1 ppm (1.4 mg/m<sup>3</sup>) (Cal/OSHA)

**8.2 Appropriate engineering controls**

Use ventilation adequate to keep exposures (airborne levels of dust, fume, vapor, gas, etc.) below recommended exposure limits.

**8.3 Individual protection measures, such as personal protective equipment (PPE)**

**Eye/face protection**

Safety glasses/goggles are recommended if eye exposure risk exists during product handling/processing.

**Skin protection**

Protective gloves, such as nitrile gloves, are recommended in case of prolonged/repeated exposure during product handling/processing.

**Body protection**

The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

**Respiratory protection**

Not normally required. If engineering controls and ventilation are not sufficient to control exposure to below the allowable limits then an appropriate NIOSH/MSHA approved air-purifying respirator with organic vapor/acid gas cartridge and particulate filter, or self-contained breathing apparatus must be used. Supplied air breathing apparatus must be used when oxygen concentrations are low or if airborne concentrations exceed the limits of the air-purifying respirators.

**Thermal hazards**

No data available.

**Environmental exposure controls**

Do not let product enter drains.

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**SECTION 9: Physical and chemical properties**

**Information on basic physical and chemical properties**

|   |                    |
|---|--------------------|
| Appearance/form (physical state, color, etc.) | Clear liquid/gel   |
| Odor  | Characteristic     |
| Odor threshold                                | No data available. |
| pH  | No data available. |
| Melting point/freezing point                  | No data available. |
| Initial boiling point and boiling range       | No data available. |
| Flash point                                   | <23°C              |
| Evaporation rate                              | No data available. |
| Flammability (solid, gas)                     | Not applicable.    |
| Upper/lower flammability limits               | No data available. |
| Upper/lower explosive limits                  | No data available. |
| Vapor pressure                                | No data available. |
| Vapor density                                 | No data available. |
| Relative density                              | No data available. |
| Density                                       | No data available. |

|  |                    |
|--|--------------------|
| Solubility(ies)                        | No data available. |
| Partition coefficient: n-octanol/water | No data available. |
| Auto-ignition temperature              | No data available. |
| Decomposition temperature              | No data available. |
| Viscosity                              | No data available. |
| Explosive properties                   | Not explosive.     |
| Oxidizing properties                   | Not oxidizing.     |

**Other safety information**

No data available.

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**SECTION 10: Stability and reactivity**

**10.1 Reactivity**

None under normal use conditions.

**10.2 Chemical stability**

Stable under normal storage conditions.

**10.3 Possibility of hazardous reactions**

No data available.

**10.4 Conditions to avoid**

Keep away from direct sunlight, heat and sources of ignition.

**10.5 Incompatible materials**

Strong oxidizing agents, acids and bases.

**10.6 Hazardous decomposition products**

No data available.

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**SECTION 11: Toxicological information**

**Information on toxicological effects**

**Acute toxicity**

Based on available data, classification data are not met

Likely Routes of Exposure: Eye contact. Skin contact. Inhalation.

Acute and delayed symptoms and effects from inhalation, skin and eye contact and ingestion are listed in Section 4.

Components:

Isopropanol (CAS no.: 67-63-0)

LD50 (oral) – rat - 5045 mg/kg

LD50 (skin) – rabbit – 12800 mg/kg

LC50 (inhalation) – rat – 16000 ppm/8H

Glycerin (CAS no.: 56-81-5)

LD50 (oral) – rat - 12600 mg/kg

LD50 (skin) – rabbit – > 10000 mg/kg

LC50 (inhalation) – rat – > 570mg/m<sup>3</sup>/1H

Hydrogen peroxide (CAS no.: 7722-84-1)

LD50 (oral) – rat - 1518 mg/kg

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LD50 (skin) – rabbit – 9200 mg/kg  
LC50 (inhalation) – rat – 2000mg/m<sup>3</sup>/4H

Propylene glycol (CAS no.: 57-55-6)  
LD50 (oral) – rat - 20000 mg/kg  
LD50 (skin) – rabbit – 20800 mg/kg

Isopropyl myristate (CAS no.: 110-27-0)  
LD50 (oral) – mouse - 49700 mg/kg  
LD50 (skin) – rabbit – 5000 mg/kg

**Skin corrosion/irritation**

Overexposure may cause skin irritation. Signs/symptoms may include localized redness, dryness, swelling, and itching.

**Serious eye damage/irritation**

Causes serious eye irritation. Signs/symptoms may include redness, swelling, pain, tearing, and blurred or hazy vision.

**Respiratory or skin sensitization**

No information available.

**Germ cell mutagenicity**

No information available.

**Carcinogenicity**

Based on available data, classification data are not met

Components:

Aloe Vera Leaf Juice (CAS no.: 85507-69-3)  
Whole leaf extract of Aloe vera is classified by IARC as possibly carcinogenic to humans (Group 2B).

**Reproductive toxicity**

No information available.

**STOT-single exposure**

May cause drowsiness or dizziness.

**STOT-repeated exposure**

No information available.

**Aspiration hazard**

No information available.

**Additional information**

Overexposure may cause drowsiness, dizziness, headache, tiredness, nausea and vomiting.

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**SECTION 12: Ecological information**

**Toxicity**

No data available on product

**Persistence and degradability**

No data available on product

**Bioaccumulative potential**

No data available on product

**Mobility in soil**

No data available on product.

**Results of PBT and vPvB assessment**

PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

**Other adverse effects**

No data available on product.

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**SECTION 13: Disposal considerations**

**Disposal of the product**

Disposal should be in accordance with applicable Federal, State and local laws and regulations. Local regulations may be more stringent than State or Federal requirements.

**Disposal of contaminated packaging**

Dispose of as unused product.

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**SECTION 14: Transport information**

**DOT (US)**

UN Number: 1219

Class: 3

Packing Group: II

Proper Shipping Name: Isopropanol

**IMDG**

UN Number: 1219

Class: 3

Packing Group: II

Proper Shipping Name: Isopropanol

**IATA**

UN Number: 1219

Class: 3

Packing Group: II

Proper Shipping Name: Isopropanol

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**SECTION 15: Regulatory information**

**15.1 Safety, health and environmental regulations specific for the product in question**

**SARA 302 Components**

No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

**SARA 311/312 Hazards**

Fire Hazard, Acute Health Hazard

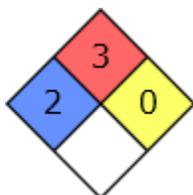
**SARA 313 Components**

This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

HMIS Rating

| RESPONSIBLE Hand Sanitizing Gel IPA |   |
|-------------------------------------|---|
| HEALTH                              | 2 |
| FLAMMABILITY                        | 3 |
| PHYSICAL HAZARD                     | 0 |
| PERSONAL PROTECTION                 |   |

NFPA Rating



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**SECTION 16: Other information**

**16.1 Further information/disclaimer**

Date of issue: July 22, 2020.

DISCLAIMER: The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigation to determine the suitability of information for their particular purposes. All materials may present unknown hazards and should be used with caution. In no event shall we be held liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, whatsoever arising, even if we have been advised of the possibility of such damages.