

# Safety Data Sheet

## Hand Sanitizer Gel

### 1. IDENTIFICATION

**Product Name:** Hand Sanitizer Gel

**CAS No.:** 64-17-5; 9007-20-9; 56-81-5; 8000-34-8; 102-71-6;  
8000-25-7; 68647-73-4; 8007-80-5; 8000-48-4; 8008-56-8

**Recommended Use:** Hand Sanitizer to decrease amount of bacteria on hands  
**Uses Advised Against:** Not for food, pesticide or biocidal product use

**Company:**  
Mount Royal Soaps, LLC  
2740 A Huntingdon Ave  
Baltimore, MD 21211

**Emergency Telephone Number:**  
443-528-7094

### 2. HAZARDS IDENTIFICATION

**GHS Classification**

Flammable liquids : Category 3  
Eye irritation : Category 2A

**GHS Label element**

Hazard pictograms :



Signal Word : Warning

Hazard Statements : H226 Flammable liquid and vapor.  
H319 Causes serious eye irritation.

**Precautionary Statements :**

**Prevention:**

- P210 Keep away from heat/sparks/open flames/hot surfaces. -  
No smoking.
- P233 Keep container tightly closed.
- P241 Use explosion-proof electrical/ ventilating/ lighting/  
equipment.
- P242 Use only non-sparking tools.
- P243 Take precautionary measures against static discharge.
- P264 Wash skin thoroughly after handling.
- P280 Wear protective gloves/ eye protection/ face protection.

**Response:**

- P303 + P361 + P533 IF ON SKIN (or hair): Take off immediately  
all contaminated clothing. Rinse skin with water/shower.
- P305 + P351 + P338 IF IN EYES: Rinse cautiously with water  
for several minutes. Remove contact lenses, if present  
and easy to do. Continue rinsing.
- P337 + P313 If eye irritation persists: Get medical advice/  
attention.

**Storage:**

- P403 + P235 Store in a well-ventilated place. Keep cool.

**Disposal:**

- P501 Dispose of contents/ container to an approved waste  
disposal plant.

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

**Substance / Mixture :** Mixture

**Hazardous ingredients**

CHEMICAL NAME	CAS-NO	CONCENTRATION
Ethanol	64-17-5	62%

### 4. FIRST AID MEASURES

**General advice :**

In the case of accident or if you feel unwell, seek medical  
advice immediately.  
When symptoms persist or in all cases of doubt seek medical  
advice.

<b>If inhaled :</b>	If inhaled, remove to fresh air. Get medical attention if symptoms occur.
<b>In case of skin contact :</b>	Wash with water and soap as a precaution. Get medical attention if symptoms occur.
<b>In case of eye contact :</b>	In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. If easy to do, remove contact lens, if worn. Get medical attention.
<b>If swallowed :</b>	If swallowed, DO NOT induce vomiting. Get medical attention if symptoms occur. Rinse mouth thoroughly with water.
<b>Most important symptoms and effects, both acute and delayed:</b>	Causes serious eye irritation. Protection of first-aiders : First Aid responders should pay attention to self-protection, and use the recommended personal protective equipment when the potential for exposure exists.
<b>Notes to physician :</b>	Treat symptomatically and supportively.

## 5. FIRE-FIGHTING MEASURES

<b>Suitable extinguishing media :</b>	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
<b>Unsuitable extinguishing media:</b>	High volume water jet
<b>Specific hazards during firefighting:</b>	Do not use a solid water stream as it may scatter and spread fire.  Cool closed containers exposed to fire with water spray. Flash back possible over considerable distance. May form explosive mixtures in air. Exposure to combustion products may be a hazard to health.
<b>Hazardous combustion products:</b>	Carbon oxides
<b>Specific extinguishing methods:</b>	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Use water spray to cool unopened containers

**Further information :**

Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

**Special protective equipment for firefighters:**

In the event of fire, wear self-contained breathing apparatus. Use personal protective equipment.

## 6. HANDLING AND STORAGE

**Advice on safe handling :**

For personal protection see section 7.  
Keep away from heat and flame.  
Use with local exhaust ventilation.  
Avoid contact with eyes.

**Conditions for safe storage :**

Take measures to prevent the build up of electrostatic charge.  
Keep in properly labelled containers.  
Keep containers tightly closed in a dry, cool and well ventilated place.  
Store in accordance with the particular national regulations.

## 7. PERSONAL PROTECTION

Personal protective equipment

**Respiratory protection :**

No personal respiratory protective equipment normally required.

**Hand protection Remarks :**

No special protective equipment required.

**Eye protection :**

Wear face-shield and protective suit for abnormal processing problems.

**Skin and body protection :**

No special measures necessary provided product is used correctly.

**Protective measures :**

Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place.  
Ensure that eye flushing systems and safety showers are located close to the working place.

**Hygiene measures :** Handle in accordance with good industrial hygiene and safety practice.  
Avoid contact with eyes

## 8. PHYSICAL AND CHEMICAL PROPERTIES

**Appearance :** gel

**Color :** clear, colorless

**Odor :** lemon, spice, camphorous

**Odor Threshold :** No data available

**pH :** 6.5 - 7

**Melting point/freezing point :** NA, -114°C

**Flash point :** 25 °C

**Evaporation rate :** No data available

**Flammability (solid, gas) :** Not applicable

**Upper explosion limit :** No data available

**Lower explosion limit :** No data available

**Vapor pressure :** No data available

**Relative vapor density :** No data available

**Density :** 0.8750 g/cm<sup>3</sup>

Solubility(ies)  
**Water solubility :** soluble

**Autoignition temperature :** No data available

**Decomposition temperature :** The substance or mixture is not classified self-reactive.

Viscosity  
**Viscosity, kinematic :** 3,500 - 23,000 mm<sup>2</sup>/s (20 °C)

**Explosive properties :** Not explosive

**Oxidizing properties :** The substance or mixture is not classified as oxidizing.

## 9. STABILITY AND REACTIVITY

<b>Reactivity :</b>	Not classified as a reactivity hazard.
<b>Chemical stability :</b>	Stable under normal conditions.
<b>Possibility of hazardous reactions:</b>	Flammable liquid and vapor. Vapors may form explosive mixture with air. Can react with strong oxidizing agents.
<b>Conditions to avoid :</b>	Heat, flames and sparks.
<b>Incompatible materials :</b>	Oxidizing agents
<b>Hazardous decomposition products:</b>	No hazardous decomposition products are known.

## 10. TOXICOLOGICAL INFORMATION

### ACUTE EFFECTS:

#### A: General Product information

Product contains ethyl alcohol.

#### B: Component Analysis LD50

Ethyl Alcohol (64-17-5)  
Oral LD50 Rat: 7060 mg/kg

### CHRONIC EFFECTS:

#### Component

Ethyl Alcohol (64-17-5)

**Carcinogenicity:** ACGIH A4 – Not Classifiable as a Human Carcinogen

**Neurotoxicity:** This product contains ethyl alcohol, a central nervous system target.

**Mutagenicity:** No information available for product.

**Reproductive:** No information available for product.

**Developmental:** Ethyl alcohol is a developmental toxin when consumed during pregnancy.

**Target Organs:** When consumed, ethyl alcohol can target the respiratory system, skin, eyes, CNS, liver, blood and reproductive system.

## 11. ECOLOGICAL INFORMATION

**Ecotoxicity:** Ethyl Alcohol (64-17-5)

96 hour LC50 Oncorhynchus mykiss: 12,900 mg/L (flow-through) (30days old)  
96 hour LC50 Pimephales promelas 14.2 mg/L  
5 min EC50 Photobacterium phosphoreum: 35,470 mg/L  
30 min EC50 Photobacterium phosphoreum: 34,634 mg/L  
48 hour EC50 Daphnia magna: 9,268 mg/L  
24 hour EC50 Daphnia magna: 10,800 mg/L

## 12. DISPOSAL CONSIDERATIONS

Dispose of in accordance with federal, state, and local regulations.

## 13. TRANSPORTATION INFORMATION

### Land transport (DOT)

UN number : 1170  
Description of the goods : Ethanol solutions  
Class : 3  
Packing group : III  
Environmentally hazardous : no

## 14. REGULATORY INFORMATION

Ethyl alcohol, a component of this product, is on the TSCA inventory.

### California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65)

This material contains ethyl alcohol a developmental toxicity when in alcoholic beverages.

The following components appear on one or more of the following state hazardous substance lists:

Component	CAS #	CA	MA	MN	NJ	PA
Ethyl Alcohol	64-17-5	YES	YES	YES	YES	YES

## 15. OTHER INFORMATION

**Prepared by:** Mount Royal Soaps, LLC

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