

# Safety Data Sheet

Issuing Date 31-Mar-2020

Revision Date 16-Apr-2020

Revision Number 1

## 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

### Product identifier

**Product Name** Ethanol Based Sanitizer Gel

### Other means of identification

**Product Code** RM00194

**UN-No** UN1170

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

**Recommended Use** Hand Sanitizer.

**Uses advised against** NOT FOR USE AS A FOOD INGREDIENT

### Details of the supplier of the safety data sheet

**Supplier** **Manufacturer Address**  
**Address**

### Emergency Telephone Number

**Emergency Telephone Number** CHEMTREC International:  
CHEMTREC US:

## 2. HAZARDS IDENTIFICATION

### Classification

Flammable Liquid

Category 2

### Label Elements

### EMERGENCY OVERVIEW

**DANGER**

### **Hazard statements**

Highly Flammable liquid and vapor



**Color** Colorless

**Physical State** Thin Liquid

**Odor** Alcohol

### **Precautionary Statements - Prevention**

Keep container tightly closed

Ground/bond container and receiving equipment  
 Use explosion-proof electrical/ ventilating/ lighting/ equipment  
 Use only non-sparking tools  
 Take precautionary measures against static discharge  
 Wear protective gloves/protective clothing/eye protection/face protection

**Precautionary Statements - Response**

IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower  
 In case of fire: Use dry chemical, CO<sub>2</sub>, water spray or regular foam to extinguish

**Precautionary Statements - Storage**

Store in a well-ventilated place. Keep cool

**Precautionary Statements - Disposal**

Dispose of contents/container in accordance with local, regional, national, and international regulations as applicable

**Other hazards**

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No.	Weight-%
Denatured Ethyl alcohol	64-17-5	60-80

### 4. FIRST AID MEASURES

**FIRST AID MEASURES**

<b>General Advice</b>	Show this safety data sheet to the doctor in attendance.
<b>Eye contact</b>	Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician if feel uncomfortable.
<b>Skin contact</b>	IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
<b>Inhalation</b>	Move to fresh air. If breathing problems develop, call a doctor.
<b>Ingestion</b>	IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Seek immediate medical attention.

**Most important symptoms and effects, both acute and delayed**

**Symptoms** Asthma-like and/ or skin allergy-like symptoms.

**Indication of any immediate medical attention and special treatment needed**

**Notes to Physician** Treat symptomatically.

### 5. FIRE-FIGHTING MEASURES

<b><u>Suitable extinguishing media</u></b>	Dry chemical, carbon dioxide (CO <sub>2</sub> ), foam, or water spray.
<b><u>Unsuitable extinguishing media</u></b>	Do not use heavy water stream.
<b><u>Specific hazards arising from the chemical</u></b>	Alcohol flames may not be readily visible. Vapors are heavier than air and may travel to source of ignition and flash back.
<b><u>Explosion Data</u></b>	
<b>Sensitivity to Mechanical Impact</b>	None.

**Sensitivity to Static Discharge**

May be ignited by heat, sparks or flames.

**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.

**6. ACCIDENTAL RELEASE MEASURES****Personal precautions, protective equipment and emergency procedures****Personal Precautions**

Ensure adequate ventilation. Use personal protective equipment as required. Eliminate all potential sources of ignition. Take precautionary measures against static discharges.

**Environmental precautions****Environmental precautions**

Prevent entry into surface water or sanitary sewers. See Section 12 for additional ecological information.

**Methods and material for containment and cleaning up****Methods for Containment**

Prevent further leakage or spillage if safe to do so.

**Methods for Cleaning Up**

Eliminate all potential sources of ignition, and ventilate area. Absorb and containerize. Do not flush into surface water or sanitary sewer system.

**7. HANDLING AND STORAGE****Precautions for safe handling****Handling**

Ensure adequate ventilation. Handle in accordance with good industrial hygiene and safety practice. Keep away from heat, sparks, and flames. Do not eat, drink, or smoke when using this product.

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

Store in accordance all applicable regulations and fire codes. Keep containers tightly closed in a cool, well-ventilated place away from heat, sparks, open flames, and hot surfaces.

**Incompatible materials**

Strong oxidizing agents.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION****Control parameters****Exposure Guidelines**

This product does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

**Appropriate engineering controls****Engineering Measures**

Showers. Eyewash stations. Ventilation systems.

**Individual protection measures, such as personal protective equipment****Eye/Face Protection**

None required for consumer use. If splashes are likely to occur, wear safety glasses.

**Skin and Body Protection**

Wear protective gloves/clothing.

**Respiratory Protection**

No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.

**Hygiene Measures**

Handle in accordance with good industrial hygiene and safety practice.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Information on basic physical and chemical properties

<b>Physical State</b>	Thin Liquid	<b>Odor</b>	Alcohol
<b>Appearance</b>	Clear		
<b>Color</b>	Colorless		

<u>Property</u>	<u>Values</u>	_____
<b>pH</b>	5-7	
<b>Melting point / freezing point</b>		
<b>Boiling point / boiling range</b>	>78 °C / >173 °F	
<b>Flash Point</b>	< 23 °C / < 73.4 °F	
<b>Evaporation Rate</b>		
<b>Flammability (solid, gas)</b>		
<b>Flammability Limit in Air</b>		
<b>Upper flammability limit</b>		
<b>Lower Flammability Limit</b>		
<b>Vapor pressure</b>		
<b>Vapor Density</b>		
<b>Specific Gravity</b>	-	
<b>Water Solubility</b>	Complete	
<b>Solubility in other solvents</b>		
<b>Partition coefficient</b>		
<b>Autoignition Temperature</b>		
<b>Decomposition temperature</b>		
<b>Kinematic viscosity</b>		
<b>Dynamic viscosity</b>		

### Other Information

## 10. STABILITY AND REACTIVITY

<b><u>Reactivity</u></b>	Stable
<b>Remarks</b>	

<b><u>Chemical stability</u></b>	Stable under recommended storage conditions.
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### **Possibility of Hazardous Reactions**

<b><u>Hazardous Reactions</u></b>	Vapors may form reactive mixture with air.
<b><u>Conditions to Avoid</u></b>	Keep away from heat, sparks, open flames, and hot surfaces.

<b><u>Incompatible materials</u></b>	Strong oxidizing agents.
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**Hazardous Decomposition Products**  
Carbon monoxide (CO). Carbon dioxide.

## 11. TOXICOLOGICAL INFORMATION

### Information on likely routes of exposure

#### **Product Information**

<b>Inhalation</b>	Not classified (Based on available data, the classification criteria are not met).
<b>Eye contact</b>	Not classified (Based on available data, the classification criteria are not met).
<b>Skin contact</b>	Not classified (Based on available data, the classification criteria are not met).

**Ingestion**

Not classified (Based on available data, the classification criteria are not met).

**Information on toxicological effects****Symptoms**

May cause slight redness and tearing of eyes.

**Delayed and immediate effects as well as chronic effects from short and long-term exposure****Skin corrosion/irritation**

Not irritating to skin.

**Serious eye damage/eye irritation**

May cause slight irritation.

**Sensitization**

Not expected to cause sensitization.

**Mutagenic Effects**

Not expected to be mutagenic.

**Carcinogenicity**

No component of this product present at levels greater than, or equal to, 0.1% is identified as a carcinogen or potential carcinogen by ACGIH, IARC, OSHA, or NTP.

**STOT - single exposure**

Inhalation of vapors may cause dizziness and drowsiness.

**Numerical measures of toxicity-Product Information****12. ECOLOGICAL INFORMATION****Ecotoxicity**

No known hazard

**Persistence and degradability**

Expected to be biodegradable.

**Bioaccumulation/Accumulation**

Bioaccumulation is expected to be low

**Other Adverse Effects**

None known

**13. DISPOSAL CONSIDERATIONS****Waste treatment methods****Waste Disposal Method**

Dispose of in accordance with applicable regulations.

**Contaminated Packaging**

Do not reuse empty containers.

**14. TRANSPORT INFORMATION****DOT****UN-No**

UN1170

**Proper Shipping Name**

Ethanol Solution

**Hazard Class**

3

**Packing Group**

II

**IATA****UN-No**

UN1170

**Proper Shipping Name**

Ethanol Solution

<b>Hazard Class</b>	3
<b>Packing Group</b>	II
<b>ERG Code</b>	127

**IMDG / IMO**

<b>UN-No</b>	UN1170
<b>Proper Shipping Name</b>	Ethanol Solution
<b>Hazard Class</b>	3
<b>Packing Group</b>	II

## 15. REGULATORY INFORMATION

**International Inventories****Legend**

*TSCA - United States Toxic Substances Control Act Section 8(b) Inventory*  
*DSL/NDL - Canadian Domestic Substances List/Non-Domestic Substances List*  
*EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances*  
*ENCS - Japan Existing and New Chemical Substances*  
*IECSC - China Inventory of Existing Chemical Substances*  
*KECL - Korean Existing and Evaluated Chemical Substances*  
*PICCS - Philippines Inventory of Chemicals and Chemical Substances*  
*AICS - Australian Inventory of Chemical Substances*

**U.S. Federal Regulations****SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

**SARA 311/312 Hazard Categories**

<b>Acute health hazard</b>	No
<b>Chronic Health Hazard</b>	No
<b>Fire hazard</b>	Yes
<b>Sudden release of pressure hazard</b>	No
<b>Reactive Hazard</b>	No

**Clean Water Act**

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

**CERCLA**

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

**U.S. State Regulations****California Proposition 65**

Ethyl alcohol is only considered a Proposition 65 developmental hazard when it is ingested as an alcoholic beverage

**U.S. State Right-to-Know Regulations**

Ethanol (64-17-5) is on the following US State-Right To Know Regulations: New Jersey, Massachusetts and Pennsylvania.

## 16. OTHER INFORMATION

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<u>NFPA</u>	Health Hazard 1	Flammability 3	Instability 0	Physical and Chemical Hazards n/a
<u>HMIS</u>	Health Hazard 1	Flammability 3	Physical hazards 0	Personal Precautions X

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Reason for Revision Formatting/Minor Revisions

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**End of Safety Data Sheet**