

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, CO2, 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**

General Advice	Show this safety data sheet to the doctor in attendance.
Eye contact	Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician if feel uncomfortable.
Skin contact	IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
Inhalation	Move to fresh air. If breathing problems develop, call a doctor.
Ingestion	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.
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Indication of any immediate medical attention and special treatment needed

Notes to Physician	Treat symptomatically.
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5. FIRE-FIGHTING MEASURES

<u>Suitable extinguishing media</u>	Dry chemical, carbon dioxide (CO2), foam, or water spray.
<u>Unsuitable extinguishing media</u>	Do not use heavy water stream.
<u>Specific hazards arising from the chemical</u>	Alcohol flames may not be readily visible. Vapors are heavier than air and may travel to source of ignition and flash back.
<u>Explosion Data</u>	
<u>Sensitivity to Mechanical Impact</u>	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

Physical State	Thin Liquid		
Appearance	Clear	Odor	Alcohol
Color	Colorless		

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

Other Information

10. STABILITY AND REACTIVITY

<u>Reactivity</u>	Stable
Remarks	

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

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

<u>Incompatible materials</u>	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

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

Hazard Class	3
Packing Group	II
ERG Code	127

IMDG / IMO

UN-No	UN1170
Proper Shipping Name	Ethanol Solution
Hazard Class	3
Packing Group	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

Acute health hazard	No
Chronic Health Hazard	No
Fire hazard	Yes
Sudden release of pressure hazard	No
Reactive Hazard	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

<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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Revision Note

Reason for Revision Formatting/Minor Revisions

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End of Safety Data Sheet