SAFETY DATA SHEET

1. IDENTIFICATION

Product identifier **Gel Sanitizer**

Product Name **Hand Sanitizer Gel**

Other means of identification

Synonyms **Gel**

Distributor Address
Best Sanitizers, Inc.
PO Box 1360
Penn Valley, CA 95946

Emergency telephone number

Emergency Phone Numbers For Transportation Emergencies,
call Chemtrec: 1-800-424-9300

2. HAZARDS IDENTIFICATION

Classification

This product is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200).

Flammable liquids	Category 2

Signal word **Danger**

Hazard statements

Highly Flammable liquid and vapor

Appearance Aqueous Solution **Physical State** Liquid **Odor** Alcohol

Precautionary Statements - Prevention

Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
Keep container tightly closed.

Precautionary Statements - Response

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

In case of fire: Use CO_2, dry chemical, or foam for extinction.

Precautionary Statements - Storage
Store in a well-ventilated place. Keep cool.

Precautionary Statements - Disposal
Dispose of contents/container to an approved waste disposal plant.
Hazards not otherwise classified (HNOC)
Not Applicable.
Other Information
Unknown Acute Toxicity

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3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No.	Weight %	Trade Secret
Ethyl Alcohol	64-17-5	60-79	*

* The exact percentage (concentration) of composition has been withheld as a trade secret.

4. FIRST AID MEASURES

First aid measures

General Advice Show this safety data sheet to the doctor in attendance.

Eye Contact Hold eye(s) open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after first 5 minutes, then continue rinsing eyes(s). If eye irritation persists: Get medical advice/attention.

Skin Contact None anticipated under foreseeable use conditions. Get medical attention if irritation develops.

Inhalation Remove to fresh air. Immediate medical attention is not required.

Ingestion Do NOT induce vomiting. Drink plenty of water, Never give anything by mouth to an unconscious person. Call a physician immediately.

Most important symptoms and effects, both acute and delayed

Most Important Symptoms and Effects
Can cause eye irritation.

Indication of any immediate medical attention and special treatment needed

See Section 11 for information.

Notes to Physician Treat symptomatically

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5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media
Dry chemical, Water spray (fog), Carbon Dioxide (CO_2), Foam.

Specific Hazards Arising from the Chemical
Flammable. Vapors may travel to source of ignition and flash back.

Hazardous Combustion Products
Carbon Monoxide. Carbon Dioxide (CO_2).

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. Cool containers with flooding quantities of water until will after fire is out.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal Precautions	Use personal protection recommended in Section 8. Ensure adequate ventilation, especially in confined areas.
For emergency responders	Isolate area. Keep unnecessary personnel away.

Environmental precautions

Environmental Precautions	Prevent entry into waterways, sewers, basements or confined areas. 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. Contain and collect spillage with non-combustible absorbent material, (e.g. sand, earth diatomaceous earth, vermiculite) and place in container for disposal according to local/ national regulations (See Section 13).
Methods for Cleaning Up	Use clean non-sparking tools to collect absorbed material. May be ignited by friction, heat, sparks or flames. Collect spillage. Soap up with inert absorbent material. Sweep up and shovel into suitable containers for disposal. Following product recovery, flush area with water.

7. HANDLING AND STORAGE

Precautions for safe handling

Handling	Keep away from heat sparks, flame and other sources of ignition (i.e., pilot lights, electric motors and static electricity). Take precautionary measures against static discharges. Do not eat, drink or smoke when using this product. Use personal protection recommended in Section 8. Wash thoroughly after handling. Handle in accordance with good industrial hygiene an safety practice.

Conditions for safe storage, including any incompatibilities

Storage	Keep containers tightly closed in a dry, cool and well-ventilated place. Keep from freezing. Keep away from heat, sparks, flame and other sources of ignition (i.e., pilot lights, electric motors and static electricity). Store between 40 to 100 ˚F.

Incompatible Products Heat, sparks, open flame, other ignition sources. Reacts violently with strong oxidants. Reacts slowly with calcium hypochlorite and ammonia causing fire and explosion hazard.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Ethyl Alcohol 64-17-5	STEL: 1000 ppm	TWA: 1000 ppm TWA: 980 mg/m^3 (vacated) TWA: 1000 ppm (vacated) TWA: 1900 mg/m^3	IDLH: 3000 ppm TWA: 1000 ppm TWA: 1900 mg/m^3

ACGIH TLV: American Conference of Governmental Industrial Hygienists - Threshold Limit Value. OSHA PEL: Occupational Safety and Health Administration - Permissible Exposure Limits. NIOSH IDLH: Immediately Dangerous to Life or Health.

Appropriate engineering controls

Engineering Measures Showers
Eyewash stations
Ventilation systems

Individual protection measures, such as personal protective equipment

Eye/Face Protection Avoid contact in eyes.

Skin and Body Protection No protective equipment necessary under normal use conditions.

Respiratory Protection No protective equipment necessary under normal use conditions.

Hygiene Measures Handle in accordance with good industrial hygiene and safety practice.ng this product.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical and Chemical Properties

Physical State	Liquid		
Appearance	Aqueous gel	**Odor**	Fragrance Free
Color	Clear	**Odor Threshold**	No information available

Property	Values	Remarks/ Method
pH	5.0-8.0	±1 @ 21˚C
Melting/freezing point	No data available	None known

Boiling point / boiling range	**83˚C / 181˚F**	None known
Flash Point	20˚C / 68˚F	None known
Evaporation rate	**No Data available**	None known
Flammability (solid, gas)	No data available	None known
Flammability Limits in Air		
Upper flammability limit	No data available	None known
Lower flammability limit	No data available	None known
Vapor pressure	No data available	None known
Vapor density	No data available	None known
Specific Gravity	0.8700-0.8900	None known
Water Solubility	Soluble in water	None known
Solubility in other solvents	No data available	None known
Partition coefficient:	No data available	None known
Autoignition temperature	No data available	None known
Decomposition temperature	No data available	None known
Kinematic viscosity	No data available	None known
Dynamic viscosity	No data available	None known

10. STABILITY AND REACTIVITY

Reactivity
No data available.

Chemical stability
Stable under recommended storage conditions.

Possibility of Hazardous Reactions
Non under normal processing.

Conditions to avoid
Heat, flames and sparks, extreme temperature conditions.

Incompatible materials
Heat, sparks, open flame, other ignition sources, Reacts violently with strong oxidants.

Hazardous Decomposition Products
Carbon monoxide, Carbon dioxide (CO_2). Nitrogen.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information

Inhalation	Inhalation of vapors in high concentrations may cause irritation of respiratory system.
Eye Contact	Irritating to eyes.
Skin Contact	Prolonged contact may cause irritation.
Ingestion	May be harmful if swallowed.

Component Information

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Ethyl alcohol 64-17-5	= 7060 mg/kg (Rat)	➢ 15800 mg/kg (Rabbit)	= 31623 ppm (Rat) 4 h

Information on toxicological effects

Symptoms No Information Available

Ecotoxicity
The product is not expected to be hazardous to the environment.

Persistence and Degradability
No information available.

Bioaccumulation

Chemical Name	Partition Coefficient
Ethyl Alcohol 64-17-5	-0.32

Other adverse effects
No information available.

13. DISPOSAL CONSIDERATIONS

Disposal methods
Disposal should be in accordance with applicable regional, national and local laws and regulations.

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

14. TRANSPORT INFORMATION

DOT

UN/ID/NA number : UN 1170
Proper shipping name : ETHANOL
Class : 3

Packing group : III

Limited Quantities for packages under 1 Liter
Exempt DOT-SP 9275 for packages under 1 gallon.

15. REGULATORY INFORMATION

Chemical Inventories

TSCA	All components of this product are either on the TSCA 8(b) Inventory or otherwise exempt from listing.
DSL/NDSL	All components are on the DSL or NDSL.

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

U.S. EPA Label Information

EPA Pesticide Registration Number Not Applicable

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.

CWA (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.

US State Regulations

California Proposition 65
This product does not contain any Proposition 65 chemicals.

U.S. State Right-to-Know Regulations

Chemical Name	New Jersey	Massachusetts	Pennsylvania
Ethyl alcohol 64-17-5	X	X	X

16. OTHER INFORMATION

NFPA	**Health Hazard**	2	**Flammability**	3	**Instability**	0	**Physical and Chemical Hazards** -
HMIS	**Health Hazard**	2	**Flammability**	3	**Physical Hazard**	0	**Personal Protection** B (safety glasses, gloves)

Prepared By Technical Department

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Version 4
Reference

General Disclaimer
The information provided in this Safety Data Sheet is correct to the best of our knowledge, information, and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal, and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet