



HAND SANITIZER

SAFETY DATA SHEET

OSHA HCS (29 CFR 1910.1200)

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

Product identifier

Chemical Name	Not applicable.
CAS No.	Mixture
Trade Name	Hand Sanitizer
Product code	None

Relevant identified uses of the substance or mixture and uses advised against

Identified Use(s)	Hand Sanitizer
Uses Advised Against	None

Company Identification	White Lightning Co. 50 Wireless Blvd. Hauppauge, NY 11788
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Telephone	(631) 666-7300
Fax	(631) 666-7391
E-Mail (competent person)	SDSinfo@finishlineusa.com

Emergency telephone number

Emergency Phone No.	Medical Emergency: PROSAR 24 hr: 1-800-217-5157 / 1-651-523-0304 Transportation Emergency: CHEMTREC 24 hr. 1-800-424-9300 / 1 (703) 527-3887 (Collect calls accepted)
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SECTION 2: HAZARDS IDENTIFICATION

Classification of the substance or mixture

OSHA HCS (29 CFR 1910.1200)	Flam. Liq. 2; Eye Irrit. 2
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Label elements

Hazard Symbol



DANGER

Signal Word(s)

Hazard Statement(s)

Highly flammable liquid and vapour.
Causes serious eye irritation.

Precautionary Statement(s)

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
Keep container tightly closed.
Ground/bond container and receiving equipment.
Use explosion-proof electrical/ventilating/lighting/equipment.
Take precautionary measures against static discharge.
Do not get in eyes.
IF IN EYES: Rinse cautiously with water for several minutes.
Remove contact lenses, if present and easy to do. Continue



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rinsing. If irritation develops and persists, get medical attention.

IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell.

IF INHALED: Remove person to fresh air and keep comfortable for breathing. Get medical advice/attention if you feel unwell.

Keep out of reach of children.

Other hazards

None known.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Ingredient(s)	% v/v	% wt.	CAS No.
Ethanol (denatured)	80	70	64-17-5
Glycerol	1.45	2.168	56-81-5
Hydrogen Peroxide	0.125	0.214	7722-84-1
Distilled water	18.425	27.78	7732-18-5

Additional Information - None

SECTION 4: FIRST AID MEASURES



Description of first aid measures

Inhalation

Move person to fresh air. If breathing is laboured, administer oxygen. Get medical advice/attention if you feel unwell.

Skin Contact

If irritation (redness, rash, blistering) develops, get medical attention.

Eye Contact

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If irritation develops and persists, get medical attention.

Ingestion

Call a POISON CENTER/doctor if you feel unwell.

Most important symptoms and effects, both acute and delayed

Causes serious eye irritation.

Indication of any immediate medical attention and special treatment needed

IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell.

SECTION 5: FIRE-FIGHTING MEASURES

Extinguishing media

- Suitable Extinguishing Media
- Unsuitable extinguishing Media

Extinguish with carbon dioxide, dry chemical, foam or waterspray. Do not use water jet.

Special hazards arising from the substance or mixture

Vapours may ignite.

Advice for fire-fighters

A self contained breathing apparatus and suitable protective clothing should be worn in fire conditions. Keep containers cool by spraying with water if exposed to fire.



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SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Large spillages: Do not enter areas where used or stored until adequately ventilated. Eliminate all ignition sources if safe to do so. Do not get in eyes.

Environmental precautions

Large spillages: Prevent liquid entering sewers, basements and workpits.

Methods and material for containment and cleaning up

Large spillages: Cover spills with inert absorbent material. Transfer to a container for disposal or recovery.

Reference to other sections

None

Additional Information

None

SECTION 7: HANDLING AND STORAGE

Precautions for safe handling

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Keep container tightly closed. Do not get in eyes.

Bulk Handling: Ground/bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting/equipment. Take precautionary measures against static discharge.

Conditions for safe storage, including any incompatibilities

-Storage temperature

Keep in a cool, well ventilated place.

-Incompatible materials

This product should be stored away from sources of strong heat or oxidising chemicals.

Specific end use(s)

Hand Sanitizer

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational Exposure Limits

SUBSTANCE.	CAS No.	(8hr TWA)		STEL		Note
		PEL (OSHA)	TLV (ACGIH)	PEL (OSHA)	TLV (ACGIH)	
Ethanol	64-17-5	1000 ppm	-----	-----	1000 ppm	-----
Hydrogen peroxide	7722-84-1	1 ppm	1 ppm	-----	-----	-----

Recommended monitoring method

NIOSH 1400 (Alcohols I)

Exposure controls

Appropriate engineering controls

Provide adequate ventilation to ensure that the occupational exposure limit is not exceeded.

Personal protection equipment

Eye/face protection

Wear protective eyewear (goggles, face shield, or safety glasses).





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Skin protection (Hand protection/ Other)



Bulk Handling: Wear suitable gloves if prolonged skin contact is likely (Butyl rubber)

Respiratory protection



Bulk Handling: In case of insufficient ventilation, wear suitable respiratory equipment.

Thermal hazards

Not normally required.

Environmental Exposure Controls

Avoid release to the environment.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Appearance	Liquid
Colour.	Clear
Odour	Alcohol-like
Odour Threshold (ppm)	Not available
pH (Value)	Not available
Melting Point (°C) / Freezing Point (°C)	~ -114 (~ 173 °F)
Boiling point/boiling range (°C):	~ 78 (~ 172 °F)
Flash Point (°C)	~ 13 (~ 55 °F)
Evaporation Rate	Not available
Flammability (solid, gas)	Not applicable
Explosive Limit Ranges	~ 3% - 20%
Vapour pressure (Pascal)	~ 5726
Vapour Density (Air=1)	Not available
Density (g/ml)	Not available
Solubility (Water)	Not available
Solubility (Other)	Not available
Partition Coefficient (n-Octanol/water)	Not available
Auto Ignition Point (°C)	~ 400 (~ 752 °F)
Decomposition Temperature (°C)	Not available
Kinematic Viscosity	< 20.5 @ 40 °C
Explosive properties	Not explosive.
Oxidising properties	Not oxidising.
Other information	Not available

SECTION 10: STABILITY AND REACTIVITY

Reactivity	Stable under normal conditions.
Chemical stability	Stable.
Possibility of hazardous reactions	None anticipated.
Conditions to avoid	Avoid contact with heat and ignition sources.
Incompatible materials	Strong oxidising agents

SECTION 11: TOXICOLOGICAL INFORMATION

Exposure routes: Inhalation, Skin Contact, Eye Contact

Acute toxicity

Oral: LD50 > 5000 mg/kg-bw
Dermal: LD50 > 2000 mg/kg-bw
Inhalation: LC50 > 20 mg/l (Vapor), 4-hr. rat



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Irritation/Corrosivity Causes serious eye irritation.
Sensitization It is not a skin sensitizer.
Repeated dose toxicity Not to be expected.
Carcinogenicity It is unlikely to present a carcinogenic hazard to man.

NTP	IARC	ACGIH	OSHA	NIOSH
No.	No.	No.	No.	No.

Mutagenicity Not to be expected.
Reproductive toxicity Not to be expected.

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity

Short term LC50 (96 hour): > 100 mg/L (fish)
 EC50 (48 hour): > 100 mg/L (crustacea)
 EC50 (72 hour): > 100 mg/L (algae)

Long Term Not to be expected.

Persistence and degradability Readily biodegradable.
Bioaccumulative potential Not available.
Mobility in soil Not available.
Results of PBT and vPvB assessment Not classified as PBT or vPvB.
Other adverse effects None known.

SECTION 13: DISPOSAL CONSIDERATIONS

Waste treatment methods Disposal should be in accordance with local, state or national legislation. Consult an accredited waste disposal contractor or the local authority for advice.

SECTION 14: TRANSPORT INFORMATION

	Land transport (U.S. DOT)	Sea transport (IMDG)	Air transport (ICAO/IATA)
UN number	UN 1170	UN 1170	UN 1170
Proper Shipping Name	Ethanol solution	Ethanol solution	Ethanol solution
Transport hazard class(es)	3	3	3
Packing group	II	II	II
Environmental hazards	No.	No.	No.
Special precautions for user	None assigned		

Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code: Not applicable

SECTION 15: REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance or mixture:

TSCA (Toxic Substance Control Act) - Inventory Status: All components listed and active, or exempt.

Designated Hazardous Substances and Reportable Quantities (40 CFR 302.4):

Chemical Name	CAS No.	Typical %wt.	RQ (Pounds)
None	----	----	----



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SARA 311/312 - Hazard Categories: Refer to SECTION 2 - HAZARDS IDENTIFICATION

SARA 313 - Toxic Chemicals (40 CFR 372):

Chemical Name	CAS No.	Typical %wt.
None	----	----

SARA 302 - Extremely Hazardous Substances(40 CFR 355):

Chemical Name	CAS No.	Typical %wt.	TPQ (pounds)
None	----	----	----

California Proposition 65 List:

Chemical Name	CAS No.	Type of Toxicity
None	----	----

SECTION 16: OTHER INFORMATION

The following sections contain revisions or new statements: 1-16.

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