Safety Data Sheet
0940 - Hand Sanitizer

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Hand Sanitizer
PRODUCT USE: Hand sanitizer to help reduce bacteria on the skin that could cause disease.

MANUFACTURER: Phoenix Products
ADDRESS: 55 Container Drive, Terryville, CT 06786
PHONE – 1-860-589-7502

POISON CONTROL CENTER: 1-800-222-1222
CHEMTREC PHONE (24 HR Emergency Telephone): 1-800-424-9300

SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients:

Cas#	% (w/w)	Chemical Name
64-17-5	50-80%	Ethanol

SECTION 3: HAZARDS IDENTIFICATION

Classification of the Substance or Mixture

GHS Classification in Accordance with 29 CFR 1910 (OSHA HCS):
Flammable liquids, Category 2

GHS Label Elements, Including Precautionary Statements

GHS Signal Word: WARNING

GHS Hazard Pictograms:

GHS Hazard Statements:
H226 – Flammable liquid and vapor

GHS Precautionary Statement

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.
P303 + P361 + P353 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

SECTION 4: FIRST AID MEASURES

EYES: In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical aid immediately.

SKIN: In case of irritation, immediately wash affected area with soap and water. Seek medical attention in the event of adverse reaction or if symptoms of irritation worsen.

INGESTION: Seek medical attention if swallowed.

INHALATION: If breathed in, move person into fresh air. If not breathing, give artificial respiration. Get medical attention immediately.

SECTION 5: FIRE-FIGHTING MEASURES

FLAMMABILITY OF PRODUCT: May be combustible at high temperature.

FLASH POINT: Not available.
AUTOIGNITION TEMPERATURE: Not available.

EXPLOSION HAZARDS IN PRESENCE OF VARIOUS SUBSTANCES: Not available.

FIRE FIGHTING MEDIA AND INSTRUCTIONS: SMALL FIRE: Use DRY chemical powder. LARGE FIRE: Use water spray, fog, or foam. Do not use water jet.

SPECIAL REMARKS ON FIRE HAZARDS: Uniform fire code – flammable liquid: I-B

SPECIAL REMARKS ON EXPLOSION HAZARDS: Sensitivity to mechanical impact – no. Sensitivity to static discharge – yes.

SECTION 6: ACCIDENTAL RELEASE MEASURES

ACCIDENTAL RELEASE MEASURES: Use proper personal protective equipment as indicated in Section 8.

SPILLS/LEAKS: Vacuum or sweep up material and place into a suitable disposal container. Avoid runoff into storm sewers and ditches which lead to waterways. Clean up spills immediately, observing precautions in the Protective Equipment section. Provide ventilation.

SECTION 7: HANDLING AND STORAGE

HANDLING: Handle in accordance with good industrial hygiene and safety practice. Use personal protection equipment. Avoid contact with skin and eyes. Avoid breathing vapors or mists. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Use grounding and bonding connection when transferring this material to prevent static discharge, fire or explosion. Use with local exhaust ventilation. Use spark-proof tools and explosion-proof equipment. Keep in an area equipped with sprinklers. Use according to package label instructions.

STORAGE: Keep containers tightly closed in a dry, cool and well-ventilated place. Keep away from heat, sparks, flame and other sources of ignition (i.e., pilot lights, electric motors and static electricity). Keep in properly labeled containers. Do not store near combustible materials. Keep in an area equipped with sprinklers. Store in accordance with the particular national regulations. Store in accordance with local regulations.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Ethanol (64-17-5)	STEL: 1000 ppm	TWA: 1000 ppmg TWA: 1900 mg/m^3	IDLH: 3300 ppm 10% LELTWA: 1000 ppm TWA: 1900 mg/m^3

ENGINEERING CONTROLS: Showers. Eyewash stations. Ventilation systems.

PERSONAL PROTECTION: Safety goggles. Synthetic apron. Gloves. Antistatic boots.

PERSONAL PROTECTION IN CASE OF LARGE SPILL: Splash goggles. Full suit. Vapor and dust respirator. Boots. Gloves. A self contained breathing apparatus should be used to avoid inhalation of the product.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE AND APPEARANCE: Viscous liquid.

ODOR: Alcoholic odor.

COLOR: Clear.

SOLUBILITY IN WATER: Soluble.

pH: 7-8.

FLASH POINT: 16˚C / 61˚F

SECTION 10: STABILITY AND REACTIVITY

STABILITY: The product is stable at room temperature in closed containers under normal storage and handling conditions.

CONDITIONS TO AVOID (STABILITY): Heat, flames and sparks.

INCOMPATIBILITY (MATERIAL TO AVOID): None known based on information supplied.

SECTION 11: TOXICOLOGICAL INFORMATION

Likely routes of exposure

Effects on Eye: Specific test data for substance or mixture is not available.
Effects on Skin: Specific test data for substance or mixture is not available.
Inhalation Effects: Specific test data for substance or mixture is not available.
Ingestion Effects: Specific test data for substance or mixture is not available.
Symptoms: No data available. To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

Acute Toxicity

Acute Oral Toxicity

Components	LD50	Species
Ethanol (64-17-5)	>5000 mg/kg	Rat

Inhalation

Components	LC50	Species
Ethanol (64-17-5)	124.6 mg/L (4 hours)	Rat

Acute Dermal Toxicity

Components	LD50	Species
Ethanol (64-17-5)	>5000 mg/kg	Rat

Chronic Toxicity or Effects from Long Term Exposures

Germ Cell Mutagenicity

Components	Comments
Ethanol (64-17-5)	No data available

Specific target organ toxicity (single exposure): no data available

Specific target organ toxicity (repeated exposure): no data available

Reproductive toxicity: no data available

Aspiration hazard: no data available

Teratogenicity: no data available

Synergistic effects: no data available

Delayed and Immediate Effects and Chronic Effects from Short and Long Term Exposure

Carcinogenicity

The table below indicates whether each agency has listed any ingredient as a carcinogen. Ethanol has been shown to be carcinogenic in long-term studies only when consumed as alcoholic beverage.

Component	ACGIH	IARC	NTP	OSHA
Ethanol (64-17-5)	A3 – animal carcinogen	Group 1 – carcinogenic to humans	Known carcinogen	X - present

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity Effects

Toxicity to Fish

Components	Toxicity	Species
Ethanol (64-17-5)	LC50 (96 h): >1000 mg/L	Pimephales promelas (fathead minnow)

Toxicity to Daphnia

Components	Toxicity	Species
Ethanol (64-17-5)	EC50 (48 h): >1000 mg/L	Daphnia magna (water fleas)

Toxicity to Algae

Components	Toxicity	Species
Ethanol (64-17-5)	EC50 (72 h): 275 mg/L	Chlorella vulgaris (fresh water algae)

Toxicity to Bacteria

Components	Toxicity	Species
Ethanol (64-17-5)	EC50 (0.25 h): 32.1 mg/L	Photobacterium phosphoreum

Persistence and Degradability

Biodegradability

Components	Comments
Ethanol (64-17-5)	Readily biodegradible

Bioaccumulative Potential

Components	Comments
Ethanol (64-17-5)	Partition coefficient: n-octanol/water: log Pow: -0.35

Mobility in soil: no data available

PBT and vPvB assessment: no data available

An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

SECTION 13: DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: Waste must be disposed of in accordance with federal, state and local environmental control regulations.

CONTAMINATED PACKAGING: Dispose of as unused product.

SECTION 14: TRANSPORT INFORMATION

DOT

UN-No. UN1170
Proper Shipping Name ETHANOL SOLUTIONS
Hazard Class 3
Packing Group II
Description UN1170, ETHANOL SOLUTIONS, 3, II
Emergency Response Guide Number 127

TDG

UN-No. UN1170
Proper Shipping Name ETHANOL SOLUTION
Hazard Class 3
Packing Group II
Description UN1170, ETHANOL SOLUTION, 3, II

MEX

UN-No. UN1170
Proper Shipping Name ETHANOL IN SOLUTION
Hazard Class 3
Packing Group II
Description UN1170, ETHANOL IN SOLUTION, 3, II

ICAO

UN-No. UN1170
Proper Shipping Name ETHANOL
Hazard Class 3
Packing Group II
Description UN1170, ETHANOL, 3, II

IATA

UN-No. UN1170
Proper Shipping Name ETHANOL
Hazard Class 3
Packing Group II
ERG Code 3L
Description UN1170, ETHANOL, 3, II

IMDG

UN-No. UN1170
Proper Shipping Name ETHANOL SOLUTION
Hazard Class 3
Packing Group II
EmS-No. F-E, S-D
Description UN1170, ETHANOL SOLUTION, 3, II, (16˚C C.C.)

RID

UN-No. UN1170
Proper Shipping Name ETHANOL SOLUTION
Hazard Class 3
Packing Group II
Classification code F1
Description UN1170, ETHANOL SOLUTION, 3, II
ADR/RID-Labels 3

ADR

UN-No. UN1170
Proper Shipping Name ETHANOL SOLUTION
Hazard Class 3
Packing Group II
Classification code F1
Tunnel restriction code (D/E)
Description UN1170, ETHANOL SOLUTION, 3, II (D/E)

ADN

UN-No. UN1170
Proper Shipping Name ETHANOL SOLUTION

Hazard Class 3
Packing Group II
Classification code F1
Special provisions 144, 601

Description UN1170, ETHANOL SOLUTION, 3, II
Hazard labels 3
Limited quantity 1 L
Ventilation VE01

SECTION 15: REGULATORY INFORMATION

TSCA Significant New Use Rule: None of the chemicals in this material have a SNUR under TSCA.

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

TSCA 12(b): This product is not subject to TSCA 12(b) reporting requirements**.**

USA FDA: This product is regulated as an Over-The-Counter (OTC) drug under the Federal Food, Drug, and Cosmetics Act and complies with FDA regulations.

EPA

SARA *Title III Sections 302/304, 311/312, and 313 chemical listings***:** None or none present In regulated quantities.
CAA *Section 112 listings (TQ)***:** None
CERLCA *Reportable Quantity (RQ):* RCRA D001/Unlisted Ignitable Hazardous Waste
Ethyl Alcohol = 100 lbs

California Proposition 65: This product is not subject to warning labeling.

State Right-To-Know The following ingredients are present in the finished product and are listed on the following state right-to-know lists:

Cas#	% (w/w)	Chemical Name	Codes
64-17-5	50-80%	Ethanol	MA, NJ, PA, RI

SECTION 16: OTHER INFORMATION

NFPA:

HMS III:

HEALTH	1
FLAMMABILITY	3
PHYSICAL HAZARDS	0

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