

# Safety Data Sheet

## SECTION I - IDENTIFICATION

**PRODUCT NAME:** Han-San Hand Sanitizer  
**PRODUCT CODE:** 1-693  
**PRODUCT USE:** Hand Sanitizer  
**COMPANY NAME:** Maintenance Solutions  
**COMPANY ADDRESS:** P.O. Box 12202, Scottsdale, AZ 85267  
**COMPANY PHONE:** 800-747-9593  
**EMERGENCY PHONE:** 800-255-3924

## SECTION II – HAZARDS IDENTIFICATION

**CLASSIFICATION:** Flammable Liquid: Category 2

Eye Irritant: Category 2b

**HAZARD STATEMENT(S):** Danger: Highly flammable liquid and vapor Causes eye irritation.

This product contains the following percentage of chemicals of unknown toxicity: 0%

**PRECAUTIONARY STATEMENTS:** Keep away from heat, sparks, open flames, and hot surfaces. -No smoking. Keep container tightly closed. Wear eye protection. If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower. In case of fire use dry chemical, foam, or carbon dioxide. Store in a well-ventilated place. Keep cool. Dispose of contents and container in accordance with local, state, and national regulations. Wash hands thoroughly after handling. 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 or attention.

For large quantities: Ground or bond container and receiving equipment. Use explosion-proof electrical, ventilating, and lighting equipment. Use only non-sparking tools. Take precautionary measures against static discharge.



SYMBOL:

**HAZARDS NOT OTHERWISE CLASSIFIED:** N/A

## SECTION III – COMPOSITION/INFORMATION ON INGREDIENTS

HAZARDOUS INGREDIENT	CAS NUMBER	PERCENT
Ethyl Alcohol	64-17-5	60%
Isopropyl Alcohol	67-63-0	.5-1.5%

## SECTION IV - FIRST AID MEASURES

**EYES:** 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 or attention.

**INGESTION:** If swallowed: Rinse Mouth. Do NOT induce vomiting. Get medical advice or attention.

**INHALATION:** Move to fresh air. If breathing is difficult, administer oxygen. If heartbeat or breathing seems irregular seek immediate medical attention.

**SKIN:** First aid is not normally required.

**ACUTE HEALTH HAZARDS:** None Known

**CHRONIC HEALTH HAZARDS:** None known

**NOTE TO PHYSICIAN:** There is no specific treatment regimen. Treatment of overexposure should be directed at the control of symptoms and the clinical condition of the patient.

## SECTION V – FIRE-FIGHTING MEASURES

**EXTINGUISHING MEDIA:** Carbon dioxide, standard chemical fire extinguisher, and water fog.

**UNSUITABLE EXTINGUISHING MEDIA:** N/A

**SPECIAL FIRE FIGHTING PROCEDURES:** Wear NIOSH approved Self Contained Breathing Apparatus with a full face piece operated in a positive pressure demand mode with full body protective clothing when fighting fires. Avoid contact with skin and breathing smoke, fumes, and decomposition products. Cool fire exposed containers with water fog to prevent bursting.

**UNUSUAL FIRE AND EXPLOSION HAZARDS:** N/A

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**HAZARDOUS COMBUSTION PRODUCTS:** None Known

## SECTION VI – ACCIDENTAL RELEASE MEASURES

**PERSONAL PROTECTIVE EQUIPMENT:** Refer to section VIII for proper Personal Protective Equipment.

**SPILL:** Absorb with non-combustible material like vermiculite, sand or earth and rinse with small amount of soapy water. Do not allow to drain into sewers or storm drains. Dispose of in accordance with local, state and federal regulations.

**WASTE DISPOSAL:** Dispose of in accordance with federal, state, and local regulations. Do not dump in sewers. Wrap container and place in trash collection, do not puncture, incinerate, or reuse container.

**RCRA STATUS:** Product should be fully characterized prior to disposal (40 CFR 261).

## SECTION VII – HANDLING AND STORAGE

**HANDLING AND STORAGE:** Keep container tightly closed. Use only non-sparking tools. Take precautionary measures against static discharge. Store in a well ventilated place. Keep cool. Wear eye protection.

**OTHER PRECAUTIONS:** None

**INCOMPATIBILITY:** Strong oxidizing agents.

## SECTION VIII – EXPOSURE CONTROLS/PERSONAL PROTECTION

HAZARDOUS INGREDIENT	OSHA PEL	ACGIH TLV
Ethyl Alcohol	1000 ppm	1000 ppm
Isopropyl Alcohol	500 ppm	400 ppm

**ENGINEERING CONTROLS / VENTILATION:** General ventilation and local exhaust should be adequate.

**RESPIRATORY PROTECTION:** Not required

**PERSONAL PROTECTIVE EQUIPMENT:** None

**ADDITIONAL MEASURES:** Take precautionary measures against static discharge. Wear eye protection. Wash hands thoroughly after handling.

## SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES

**APPEARANCE:** Clear, Colorless Liquid

**ODOR:** Mild odor

**ODOR THRESHOLD:** N/D

**BOILING POINT:** 80°C (176°F)

**FREEZING POINT:** N/D

**FLAMMABILITY:** Highly Flammable Liquid

**FLASH POINT:** 53°F (12°C)

**AUTOIGNITION TEMPERATURE:** N/D

**LOWER FLAMMABILITY LIMIT:** N/A

**UPPER FLAMMABILITY LIMIT:** N/A

**VAPOR PRESSURE (mm Hg):** Not Established

**VAPOR DENSITY (AIR=1):** 1

**EVAPORATION RATE:** < 0.8 (Slow)

**SPECIFIC GRAVITY (H2O=1):** 0.905 @ 77° F (25° C)

**pH:** 7.4

**SOLIDS (%):** N/D

**SOLUBILITY IN WATER:** 100%

**PARTITION COEFFICIENT: n-OCTANOL/WATER (K<sub>ow</sub>):** N/D

**VOLATILITY INCLUDING WATER (%):** 99%

**VOLATILE ORGANIC COMPOUNDS (VOC):** 0%

**DIELECTRIC STRENGTH (Volts):** N/A

**DECOMPOSITION TEMPERATURE:** N/D

**VISCOSITY:** N/D

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## SECTION X – STABILITY AND REACTIVITY DATA

**REACTIVITY:** None Known  
**CHEMICAL STABILITY:** Stable  
**CONDITIONS TO AVOID:** Sources of ignition.  
**INCOMPATIBILITY:** Strong oxidizing agents.  
**HAZARDOUS DECOMPOSITION OR BY-PRODUCT:** Oxides of carbon  
**POSSIBLE HAZARDOUS REACTIONS:** None Known

## SECTION XI – TOXICOLOGICAL INFORMATION

**TOXICOLOGICAL INFORMATION:** Not Established  
**ROUTES OF ENTRY:** Eyes, Ingestion, Inhalation  
**EYES:** May cause mild irritation.  
**INGESTION:** Not a likely route of exposure under normal product handling conditions.  
**INHALATION:** No hazards with normal use. May cause irritation of the respiratory tract.  
**SKIN:** Product is meant to be applied to skin. If you suspect a reaction discontinue use, take off clothing, and rinse skin immediately with water for 15-20 minutes.  
**MEDICAL CONDITION AGGRAVATED:** Pre-existing disorders of the skin, respiratory system, and eyes will be aggravated by over exposure.  
**ACUTE HEALTH HAZARDS:** None Known  
**CHRONIC HEALTH HAZARDS:** None known  
**CARCINOGENICITY:** OSHA: No ACGIH: No NTP: No IARC: No OTHER: N/A

## SECTION XII – ECOLOGICAL INFORMATION

**ECOLOGICAL INFORMATION:** Not Established  
**BIODEGRADABILITY:** This product is biodegradable.  
**BIOACCUMULATION:** This product is not expected to bioaccumulate.  
**SOIL MOBILITY:** This product is mobile in soil.  
**OTHER ECOLOGICAL HAZARDS:** None Known

## SECTION XIII – DISPOSAL CONSIDERATIONS

**WASTE DISPOSAL:** Dispose of in accordance with federal, state, and local regulations. Do not dump in sewers. Wrap container and place in trash collection, do not puncture, incinerate, or reuse container.  
**RCRA STATUS:** Product should be fully characterized prior to disposal (40 CFR 261).

## SECTION XIV - TRANSPORTATION INFORMATION

**PROPER SHIPPING NAME:** Flammable liquid, n.o.s.  
**HAZARD CLASS/DIVISION:** 3  
**UN/NA NUMBER:** UN 1993  
**PACKAGING GROUP:** II

### AIR SHIPMENT

**PROPER SHIPPING NAME:** Flammable liquid, n.o.s.  
**HAZARD CLASS/DIVISION:** 3  
**UN/NA NUMBER:** UN 1993  
**PACKAGING GROUP:** II

### SHIPPING BY WATER:

**VESSEL (IMO/IMDG)**  
**PROPER SHIPPING NAME:** Flammable liquid, n.o.s.  
**HAZARD CLASS/DIVISION:** 3  
**UN/NA NUMBER:** UN 1993  
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ENVIRONMENTAL HAZARDS WATER: N/A

## SECTION XV - REGULATORY INFORMATION

**TSCA STATUS:** All Chemicals are listed or exempt.

**CERCLA (COMPREHENSIVE RESPONSE COMPENSATION, AND LIABILITY ACT):** None

**SARA 311/312 HAZARD CATEGORIES:** None

**SARA 313 REPORTABLE INGREDIENTS:** None

**CLEAN WATER ACT:** None

**STATE REGULATIONS:** California Proposition 65: None

**INTERNATIONAL REGULATIONS:** All components are listed or exempted.

<b>NFPA HEALTH:</b>	1	<b>HMIS HEALTH:</b>	1
<b>NFPA FLAMMABILITY:</b>	3	<b>HMIS FLAMMABILITY:</b>	3
<b>NFPA REACTIVITY:</b>	0	<b>HMIS REACTIVITY:</b>	0
<b>NFPA OTHER:</b>	None	<b>HMIS PROTECTION:</b>	A

## SECTION XVI - ADDITIONAL INFORMATION

**PREPARATION BY:** Jonathon Jarvis

**DATE PREPARED:** 10/30/2013

**REVISION DATE:** 08/13/2014

N/A = Not Applicable; N/D = Not Determined

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