

## Safety Data Sheet

Safety Data Sheet (in compliance with Regulation (EC) 1907/2006, Regulation (EC) 1272/2008 and Regulation (EC) 453/2010)

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Revision Number: 2

### 1. PRODUCT IDENTIFICATION

#### 1.1 Product Identifier:

Trade Name (as labeled): **Moist Sure Liquid Sanitizer**  
Part/Item Number: 95740, 95741, 95742, 95743

#### 1.2 Relevant Identified Uses of the Substance or Mixture and Uses Advised Against:

Recommended Use: Hand Sanitizer  
Restrictions on Use: Use only as directed

#### 1.3 Details of the Supplier of the Safety Data Sheet:

Manufacturer/Supplier Name: Sultan Healthcare  
Manufacturer/Supplier Address: 1301 Smile Way  
York, PA, USA  
Manufacturer/Supplier Telephone Number: 1-201-871-1232 or 800-637-8582  
Email address: [customer.service@sultanhc.com](mailto:customer.service@sultanhc.com)

#### 1.4 Emergency Telephone Number:

Emergency Contact Telephone Number: 800-535-5053 (INFOTRAC)  
1-352-323-3500  
(Outside the United States – Call Collect)

### 2. HAZARD(s) IDENTIFICATION

#### 2.1 Classification of the Substance or Mixture

##### GHS SDS Classification

Health	Environmental	Physical
Eye Irritation Category 2 H319 Specific Target Organ Toxicity – Single Exposure Category 3 H336	Not hazardous	Flammable Liquid Category 2 H225

**EU Classification (1999/45/EC as amended):** Highly Flammable (F), Irritant (Xi)

**EU Risk Phrases:** R11, R36, R67

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## 2.2 Labeling Elements:



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### Signal Word: Danger!

Hazard Statements	Precautionary Statements
H225 Highly flammable liquid and vapor. H319 Causes serious eye irritation. H336 May cause drowsiness or dizziness.	P210 Keep away from heat, sparks, open flames, and hot surfaces. No smoking. P233 Keep container tightly closed. P261 Avoid breathing mist, vapors or spray. P271 Use only outdoors or in a well-ventilated area. P280 Wear eye protection if needed to avoid contact. P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water. 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 attention. P304 + P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing. P312 Call a POISON CENTER or doctor if you feel unwell. P370 + P378 In case of fire: Use water spray, carbon dioxide, alcohol foam or dry chemical to extinguish. P403 + P235 Store in a well-ventilated place. Keep cool. Keep container tightly closed. P501 Dispose of contents and container in accordance with local and national regulations.

2.3 Other Hazards: None

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## 3. COMPOSITION AND INFORMATION ON INGREDIENTS

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### 3.2 Mixture

Hazardous Components	C.A.S. # EC#	IUPAC Name	Substance Classification 67/548/EEC (EC) No 1272/2008	WT %
Isopropyl Alcohol	67-63-0 / 200-661-7	propan-2-ol	F, Xi R11, R36, R67 Flam. Liq. 2; H225 Eye Irrit. 2; H319 STOT SE 3; H336	50-60%

The exact concentration is being withheld as a trade secret.

Refer to Section 16 for the full text of the EU Classifications and R Phrases.

## 4. FIRST-AID MEASURES

<b>4.1 Description of First Aid Measures:</b>	
<b>Routes of Exposure</b>	<b>First Aid Instructions</b>
<b>Eye</b>	Immediately flush eyes with large quantities of water for several minutes, holding the eyelids apart. Get medical attention if irritation persists..
<b>Skin</b>	This product is intended for the skin. If irritation occurs, discontinue use and get medical attention.
<b>Inhalation</b>	Remove the victim to fresh air. If breathing is difficult, have medical personnel administer oxygen. Get medical attention.
<b>Ingestion</b>	Do not induce vomiting. Rinse mouth with water. Never give anything by mouth to an unconscious or convulsing person. Get medical attention.

<b>4.2 Most Important Symptoms and Effects, Both Acute and Delayed:</b>
Causes eye irritation. Prolonged skin contact may cause drying of the skin and irritation. Inhalation may cause headache, dizziness, drowsiness, nausea, narcosis, and unconsciousness. Swallowing may cause gastrointestinal irritation, nausea, vomiting and diarrhea.
<b>4.3 Indication of Any Immediate Medical Attention and Special Treatment Needed:</b>
None required under normal conditions of use.

**Note to Physicians (Treatment, Testing, and Monitoring):** Treatment of overexposure should be directed at the control of symptoms and clinical conditions.

## 5. FIRE-FIGHTING MEASURES

<b>5.1 Extinguishing Media:</b>			
Use water spray, carbon dioxide, alcohol foam or dry chemical. Water spray may be used to cool exposed containers.			
<b>5.2 Special Hazards Arising from the Substance or Mixture:</b>			
Combustion may produce oxides of carbon.			
<b>5.3 Advice for Fire-Fighters:</b>			
<b>Fire Fighting Procedures:</b>	Firefighters should wear full emergency equipment and an approved positive pressure self-contained breathing apparatus.		
<b>Precautions for Fire Fighters:</b>	This product is flammable and forms explosive mixtures with air. Vapors are heavier than air and will travel along surfaces to remote ignition sources and flash back. Closed containers may explode if exposed to extreme heat.		
<b>Recommended Protective Equipment for Fire Fighters:</b>			
EYES/FACE	SKIN	RESPIRATORY	THERMAL
			

## 6. ACCIDENTAL RELEASE MEASURES

### 6.1 Personal Precautions, Protective Equipment and Emergency Procedures:

If large amount are spilled, wear appropriate eye protection.

#### Recommended Personal Protective Equipment for Containment and Clean-up:

EYES/FACE	SKIN	RESPIRATORY	THERMAL
			

### 6.2 Environmental Precautions:

Prevent spill from entering sewers and water courses. Do not flush to sewer. Report releases as required by local and national authorities.

### 6.3 Methods and Material for Containment and Cleaning up:

For large spill, eliminate all sources of ignition and ventilate the area. Collect using an inert non-combustible absorbent material and place in appropriate container.

### 6.4 Reference to Other Sections:

Refer to Section 8 for Personal Protective Equipment and Section 13 for Disposal information.

## 7. HANDLING AND STORAGE

### 7.1 Precautions for Safe Handling:

Avoid contact with eyes, skin and clothing. Avoid breathing vapors. Avoid breathing vapors.

### 7.2 Conditions for Safe Storage:

Store in a cool, dry, well ventilated area away from ignition sources. Protect from physical damage.

Flammable liquid! Keep container away from excessive heat, sparks and open flames. Keep containers closed when not in use.

### 7.3 Specific End Use (s):

For professional use only.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1 Control Parameters:

#### Occupational Exposure Limits:

Isopropyl Alcohol	United States	400 ppm TWA OSHA PEL 200 ppm TWA ACGIH TLV, 400 ppm STEL
	Germany	200 ppm TWA DFG MAK
	United Kingdom	400 ppm TWA UK OEL, 500 ppm STEL
	France	400 ppm STEL INRS VLCT (France)
	Spain	400 ppm TWA VLA-ED, 500 ppm STEL VAL-EC (Spain)
	Italy	None Established
	European Union	None Established

**Biological Exposure Limits:** None Established

#### 8.2 Exposure Controls:

**Appropriate Engineering Controls:** General room ventilation will be adequate for normal use.

#### Individual Protection Measures (PPE)

**Specific Eye/face Protection:** Avoid eye contact.

**Specific Skin Protection:** None required

**Specific Respiratory Protection:** None required with adequate ventilation.

**Specific Thermal Hazards:** Not applicable

#### Recommended Personal Protective Equipment:

EYES/FACE	SKIN	RESPIRATORY	THERMAL

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on Basic Physical and Chemical Properties:

<b>Appearance:</b>	Clear liquid	<b>Explosive limits:</b>	LEL: 2.0% UEL: 12.7% (isopropanol)
<b>Odor:</b>	Alcohol	<b>Vapor pressure:</b>	45.4 mmHg @ 25°C (isopropanol)
<b>Odor threshold:</b>	0.44 ppm	<b>Vapor density:</b>	2.1 (isopropanol)
<b>pH:</b>	Not available	<b>Specific Gravity:</b> (H <sub>2</sub> O = 1)	0.89

<b>Melting/freezing point:</b>	-127.3°F (-88.5°C) (isopropanol)	<b>Solubility:</b>	Soluble in water
<b>Initial boiling point and range:</b>	181°F (82.5°C) (isopropanol)	<b>Partition coefficient: n-octanol/water:</b>	Not available
<b>Flash point (CC):</b>	53°F (12°C) (isopropanol)	<b>Auto-ignition temperature:</b>	750°F (399°C) (isopropanol)
<b>Evaporation rate:</b>	1.7 (butyl acetate =1) (isopropanol)	<b>Decomposition temperature:</b>	Not available
<b>Flammability:</b>	Not applicable	<b>Viscosity:</b>	Not available
<b>Explosive Properties:</b>	Explosive vapor concentrations may collect in confined areas.	<b>Oxidizing Properties:</b>	None

**9.2 Other Information:** None available

## 10. STABILITY AND REACTIVITY

**10.1 Reactivity:** This product is not reactive under normal conditions of use.

**10.2 Chemical Stability:** Stable under normal conditions of use.

**10.3 Possibility of Hazardous Reactions:** Vapors may form explosive mixture with air.

**10.4 Conditions to Avoid:** Keep away from heat, sparks, flames and all other sources of ignition.

**10.5 Incompatible materials:** Avoid strong oxidizing agents.

**10.6 Hazardous Decomposition Products:** Thermal decomposition may produce carbon monoxide and carbon dioxide.

## 11. TOXICOLOGICAL INFORMATION

### 11.1 Information on Toxicological Effects:

#### Potential Health Effects:

Eyes: Vapors may cause eye irritation with redness, tearing and swelling.

Skin: Prolonged contact may cause irritation and drying of the skin.

Ingestion: May cause gastrointestinal irritation, nausea, vomiting and diarrhea and other symptoms listed under inhalation.

Inhalation: Inhalation of vapors may cause respiratory tract irritation and central nervous system effects including headache, dizziness, drowsiness, narcosis and unconsciousness.

**Chronic Health Effects:** Prolonged and/or repeated overexposure to isopropanol may cause damage to the kidneys, liver, and central nervous system based on animal data.

<b>Carcinogenicity:</b> Isopropyl alcohol: There is inadequate evidence of carcinogenicity in humans and animals. None of the components of this product are listed as carcinogens by OSHA, IARC, ACGIH, NTP or EU Directives.
<b>Mutagenicity:</b> Isopropyl Alcohol: In an in-vivo study, isopropanol did not induce micronuclei in bone marrow of mice. Studies conducted in mammalian cells in-vitro, did not induce sister chromatid exchanges or gene mutations.
<b>Medical Conditions Aggravated by Exposure:</b> Persons with existing skin and respiratory disorders may be at increased risk from exposure.
<b>Acute Toxicity Data:</b> Acute Toxicity Estimate for the Product: Oral: 8410 mg/kg Dermal: 21,333 mg/kg Inhalation 121 mg/L Isopropyl Alcohol: Oral rat LD50 5,045 mg/kg, Skin rabbit LD50 12,800 mg/kg, Inhalation rat LC50 72.6 mg/L/4 hr
<b>Reproductive Toxicity Data:</b> Isopropyl Alcohol: A 73 week chronic study found male reproductive effects at 2,500 and 5,000 ppm.
<b>Specific Target Organ Toxicity (STOT):</b> <u>Single Exposure:</u> None known. <u>Repeated Exposure:</u> Isopropyl Alcohol: A 13 week inhalation study with rats found effects of narcosis at 5,000 ppm. These effects were reversible at the cessation of exposure. A 73 week chronic study found male reproductive effects at 2,500 and 5,000 ppm and liver effects at 2,500 ppm.

## 12. ECOLOGICAL INFORMATION

### 12.1 Toxicity:

Isopropanol: 96 hr LC50 fish (fathead minnow) 8300 mg/L, 48 hr LC50 daphnia 7550 mg/L

### 12.2 Persistence and Degradability:

Isopropanol is readily biodegradable.

### 12.3 Bio-accumulative Potential:

Isopropanol has a BCF of 3 which suggests the potential for bioaccumulation in aquatic animals is low.

### 12.4 Mobility in Soil:

Isopropanol is expected to have very high mobility in soil.

### 12.5 Other Adverse Effects:

No data available for product.

### 12.6 Results of PBT/vPvB Assessment:

Not required

## 13. DISPOSAL CONSIDERATIONS

### 13.1 Waste Treatment Methods:

**Regulations:** Dispose in accordance with local and national environmental regulations.

**Properties (Physical/Chemical) Affecting Disposal:** None known.

**Waste Treatment Recommendations:** None known.

## 14. TRANSPORT INFORMATION

	14.1 UN Number	14.2 UN Proper Shipping Name	14.3 Hazard Class(s)	14.4 Packing Group	14.5 Environmental Hazards
<b>DOT</b>		< 1 liter: Consumer Commodity			
<b>DOT</b>	UN1219	>1 liter: Isopropanol mixture	3	PG II	No
<b>ADR/RID</b>	UN1219	Isopropanol mixture	3	PG II	No
<b>IMDG</b>	UN1219	Isopropanol mixture	3	PG II	No
<b>IATA/ICAO</b>	UN1219	Isopropanol mixture	3	PG II	No

**14.6 Special precautions for user:** Flammable liquid

**14.7 Transport in Bulk According to Annex II of MARPOL 73/78 and the IBC Code:** Not applicable – product is transported only in packaged form.

## 15. REGULATORY INFORMATION

### 15.1 Safety, Health and Environmental Regulations/Legislation Specific for the Substance or Mixture:

#### U.S. Federal Regulations

**Comprehensive Environmental Response and Liability Act of 1980 (CERCLA):** This product is not subject to CERCLA reporting requirements. Many states have more stringent release reporting requirements. Report spills required under federal, state and local regulations.

**Toxic Substances Control Act (TSCA):** This product is a drug and not subject to chemical notification requirements.

**Clean Water Act (CWA):** None listed

**Clean Air Act (CAA):** None listed

#### **Superfund Amendments and Reauthorization Act (SARA) Title III Information:**

##### **SARA Section 311/312 (40 CFR 370) Hazard Categories:**

<b>Immediate Hazard:</b>	Yes	<b>Pressure Hazard:</b>	No
<b>Delayed Hazard:</b>	No	<b>Reactivity Hazard:</b>	No
<b>Fire Hazard:</b>	Yes		

**This product contains the following toxic chemical(s) subject to reporting requirements of SARA Section 313 (40 CFR 372):**

Components	C.A.S. #	WT %
None		

#### State Regulations

**California:** This product contains the following chemicals(s) known to the State of California to cause cancer, birth defects or reproductive harm:

Components	C.A.S. #	WT %
None		

**International Regulations**

**EU REACH:** This product is a medicinal product and not subject to registration requirements.

## 16. OTHER INFORMATION

Full text of Classification abbreviations used in Section 2 and 3:

F Highly Flammable

Xi Irritant

R11 Highly flammable

R36 Irritating to eyes.

R67 Vapors may cause drowsiness and dizziness

Flamm. Liq. 2 Flammable Liquid Category 2

Eye Irrit. 2 Eye Irritant Category 2

STOT SE 3 Specific Target Organ Toxicity (Single Exposure) Category 3

H225 Highly flammable liquid and vapour.

H319 Causes serious eye irritation.

H336 May cause drowsiness or dizziness.

Date of SDS Preparation/Revision: 15 September 2014

Data Sources: US NLM ChemID Plus and HSDB, Substance SDS for components, IUCLID Dataset EU Chemical Bureau, ESIS, Country websites for occupational exposure limits.