

## MATERIAL SAFETY DATA SHEET

### Germstar<sup>®</sup> CITRUS

Revised: July 2010 Oct. 2007  
Supersedes: v1.1 – Oct 2007

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#### SECTION 1: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME:** Germstar<sup>®</sup> Citrus  
**PRODUCT DESCRIPTION:** Hand Sanitizer  
**PRODUCT DISTRIBUTION:** Soaptronic, LLC  
20562 Crescent Bay Drive  
Lake Forest, CA 92630, USA

**EMERGENCY NUMBERS:** Soaptronic, LLC - 1-800-327-2606  
Chemtrec (USA) - 1-800-424-9300  
Chemtrec (Intl) - 1-703-527-3887

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#### SECTION 2: COMPOSITION / INFORMATION ON INGREDIENTS

<u>CHEMICAL:</u>	<u>CAS#:</u>	<u>EU Inventory:</u>	<u>% wt./wt.</u>	<u>EXPOSURE LIMITS</u>		<u>RISK</u>
				<u>OSHA PEL</u>	<u>ACGIH TLV</u>	
Ethanol	64-17-5	200-578-6	63	1000 ppm	1000 ppm	R11
Water	7732-18-5	239-791-2	28	NONE	NONE	NONE
Isopropanol	67-63-0	200-661-7	8	400 ppm	400 ppm	R11 R36 R67
Fragrance	n/a	n/a	< 1	n/a	n/a	n/a
Emollient	n/a	n/a	< 1	n/a	n/a	n/a

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#### SECTION 3: HAZARDS IDENTIFICATION

**CAUTION !:** Flammable liquid  
**SKIN CONTACT:** N/A  
**EYES CONTACT:** May be irritating  
**INGESTION:** May be harmful if swallowed  
**INHALATION:** May cause irritation  
**NFPA HAZARD RATING:** Health: 1, Flammability: 3, Reactivity: 0  
**EU-RATING:** Flammable (R10)

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#### SECTION 4: FIRST-AID MEASURES

**SKIN CONTACT:** N/A  
**EYES CONTACT:** Flush with water for 15 minutes. Get medical attention.  
**INGESTION:** Get medical attention.  
**INHALATION:** Move to fresh air.

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## **SECTION 5: FIRE FIGHTING MEASURES**

<b>FLASH POINT (Method Used):</b>	71.6°F / 22.0°C (C.C.)
<b>Lower Explosive Limit (Ethanol):</b>	19.0%
<b>Upper Explosive Limit (Ethanol):</b>	3.3%
<b>AUTOIGNITION TEMPERATURE:</b>	Greater than 685°F / 363°C
<b>EXTINGUISHING MEDIA:</b>	Water, CO <sub>2</sub> , Foam, Dry Chemical
<b>SPECIAL FIRE FIGHTING PROCEDURE:</b>	None
<b>HAZARDOUS COMBUSTION PRODUCTS:</b>	Not Determined
<b>UNUSUAL FIRE OR EXPLOSION HAZARD:</b>	Flammable

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## **SECTION 6: ACCIDENTAL RELEASE MEASURES**

**STEPS TO TAKE IN CASE MATERIAL IS RELEASED OR SPILLED:** Ventilate area of spill.  
Remove all sources of ignition. Flush with plenty of water.

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## **SECTION 7: HANDLING AND STORAGE**

**PRECAUTION TO BE TAKEN IN HANDLING AND STORING:** Avoid heat, sparks and flames  
**OTHER PRECAUTION:** Read and follow label directions

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## **SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION**

<b>EYE PROTECTION:</b>	Avoid Contact With Eyes
<b>SKIN PROTECTION:</b>	None
<b>RESPIRATION PROTECTION:</b>	Adequate information
<b>ENGINEERING CONTROLS:</b>	Not Determined

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## **SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

<b>PHYSICAL FORM:</b>	Liquid
<b>APPEARANCE:</b>	Clear and Colorless
<b>ODOR:</b>	Alcohol/Citrus
<b>pH:</b>	7
<b>BOILING POINT:</b>	>190 F / 87.8 °C
<b>SPECIFIC GRAVITY (H<sub>2</sub>O=1):</b>	0.85
<b>SOLUBILITY IN WATER:</b>	complete
<b>PERCENT VOLATILES (by Wt.):</b>	Not Determined
<b>VAPOR DENSITY:</b>	Not Determined
<b>VAPOR PRESSURE:</b>	Not Determined
<b>EVAPORATION RATE (N-BUTYL ACETATE=1):</b>	Not Determined
<b>VOC CONTENT (EPA Method 24):</b>	Not Determined

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## **SECTION 10: STABILITY AND REACTIVITY**

<b>STABILITY:</b>	Stable
<b>HAZARDOUS POLYMERIZATION:</b>	Not Determined
<b>INCOMPATIBLE MATERIAL:</b>	Strong Oxidents
<b>CONDITIONS TO AVOID:</b>	Open flames and sparks
<b>HAZARDOUS DECOMPOSITION PRODUCTS:</b>	Carbon Dioxide, Carbon Monoxide

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**SECTION 11: TOXICOLOGICAL INFORMATION**

**Ethanol** LD50 (Oral) Rat 7060 MG/KG BWT  
LD50 (Oral) Human 1400 MG/KG BWT

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**SECTION 12: ECOLOGICAL INFORMATION**

This material is not classified as harmful or toxic to fish, algae or higher aquatic plants. This material is expected to biodegrade on land or in water and, is not expected to bioaccumulate.

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**SECTION 13: DISPOSAL CONSIDERATIONS**

**WASTE DISPOSAL METHOD:** Follow federal and local regulations

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**SECTION 14: TRANSPORT INFORMATION**

**SHIPPING NAME:** Ethanol, UN1170 , class 3 flammable liquid, packing group II

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**SECTION 15: REGULATORY INFORMATION**

No data

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**SECTION 16: OTHER INFORMATION**

**CARCINOGEN:** No  
**ALLERGIC REACTIONS:** No

**NOTE:** All information, recommendations, and suggestions appearing herein concerning our product are based upon tests and data believed to be reliable. However, it is the user's responsibility to determine the safety, toxicity, and suitability for his own use of the product described herein. Since the actual use by others is beyond our control, no guarantee, express or implied, is made by SOAPTRONIC INTERNATIONAL, LLC as to the effects of such use, the results obtained, or the safety and toxicity of the product nor does SOAPTRONIC INTERNATIONAL, LLC assume any liability arising out of use, by others, of the product referred to herein. The information herein is not to be construed as absolutely complete since additional information may be necessary of desirable when particular or exceptional conditions or circumstances exists or because of applicable laws or government regulations.

**PREPARED BY:** Soaptronic, LLC  
20562 Crescent Bay Drive  
Lake Forest, CA 92630 USA  
Phone: (949) 465 8955  
Fax: (949) 465 8946