

MATERIAL SAFETY DATA SHEET

Germstar[®] NORO

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

SECTION 1: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Germstar[®] NORO
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

SECTION 2: COMPOSITION / INFORMATION ON INGREDIENTS

<u>CHEMICAL:</u>	<u>CAS#:</u>	<u>EU Inventory:</u>	<u>% wt./wt.</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>	<u>RISK</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

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)

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.

SECTION 5: FIRE FIGHTING MEASURES

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

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.

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

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

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

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL FORM:	Liquid
APPEARANCE:	Clear and Colorless
ODOR:	Alcohol/Citrus
pH:	7
BOILING POINT:	>190 F / 87.8 °C
SPECIFIC GRAVITY (H₂O=1):	0.85
SOLUBILITY IN WATER:	complete
PERCENT VOLATILES (by Wt.):	Not Determined
VAPOR DENSITY:	Not Determined
VAPOR PRESSURE:	Not Determined
EVAPORATION RATE (N-BUTYL ACETATE=1):	Not Determined
VOC CONTENT (EPA Method 24):	Not Determined

SECTION 10: STABILITY AND REACTIVITY

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

SECTION 11: TOXICOLOGICAL INFORMATION

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

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.

SECTION 13: DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: Follow federal and local regulations

SECTION 14: TRANSPORT INFORMATION

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

SECTION 15: REGULATORY INFORMATION

No data

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.

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