



SAFETY DATA SHEET <small>according with the CLP-regulation (EG) Nr. 1272/2008</small>	germstar® ORIGINAL		
	Author: REF	Version: 180407	Replaces: 170531
	Date: 20. April 2023	(*) Changes from replaced version	Page 1(4)

Section 1: SUBSTANCE/PREPARATION AND COMPANY DESIGNATION

Product name:	Germstar® ORIGINAL
PRODUCT DESCRIPTION:	Hand Sanitizer
PRODUCT DISTRIBUTOR:	Bavirex GmbH Seehaldenstrasse 42 8800 Thalwil, Schweiz Tel. +41 (0)44 680 12 13
MANUFACTURING:	Soaptronic International, LLC 20562 Crescent Bay Dr Lake Forest, CA 92630, USA Tel. +1 949 465 89 55 Email: msds@germstar.com
EMERGENCY NUMBERS:	1.) Swiss Toxicological Information Center, CH: Tel. 145 2.) Bavirex GmbH, CH/DE/A (Mo-Fr: 8:30 -12:00 / 13:30 - 17:00): Tel. 044 680 12 13 3.) Chemtrec, USA (24h/Day, 7 days/week): Tel. +1-703-527-3887

SECTION 2*: POTENTIAL HAZARDS


CAUTION !:	Flammable liquid
SKIN CONTACT:	N/A
EYE CONTACT:	May cause irritations
SWALLOW:	May be harmful to health if ingested
INHALATION:	May cause irritations
HAZARD FEATURES*:	Flammable liquid – Category 3; H226; (flammable), R10
SYMBOL:	
SIGNALWORD:	DANGER
HAZARD WARNINGS:	H225, Highly flammable liquid and vapor

SECTION 3*: COMPOSITION/DISCLOSURE OF INGREDIENTS

CONTENTS:	CAS#:	EU #:	g/100g:	Exposures limits		RISK	PRODUCER
				OSHA PEL	ACGIH TLV		
Ethanol	64-17-5	200-578-6	63	1000 ppm	1000 ppm	R11	Univar USA Inc., Kirkland, USA
Water	7732-18-5	239-791-2	28.9	NONE	NONE	NONE	
Propan-2-ol	67-63-0	200-661-7	8	400 ppm	400 ppm	R11 R36 R67	
Fragrance	n/a	n/a	< 0.1	n/a	n/a	n/a	
Emollient	n/a	n/a	< 0.1	n/a	n/a	n/a	

SECTION 4: FIRST AID MEASURES

SKIN CONTACT:	N/A
EYE CONTACT:	Rinse eyes immediately with plenty of water and consult a doctor
INGESTION:	Rinse mouth with water and drink lots of water afterwards and consult a doctor
INHALATION:	Go outside to breathe in some fresh air. In case of discomfort, consult a doctor

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SECTION 5: FIRE FIGHTING MEASURE

LFL (Ethanol):	3.3 vol%
UFL (Ethanol):	19 vol%
IGNITION TEMPERATURE:	Higher than 363°C
SUITABLE EXTINGUISHING AGENTS:	CO2, Foam, Dried chemicals
FIRE FIGHTING METHOD:	NONE
UNUSAL FIRE/EXPLOSION HAZARD:	flammable

SECTION 6: MEASURES IN THE EVENT OF ACCIDENTIAL RELEASE

NECESSARY STEPS FOR RELEASE FROM THE PRODUCT:	Provide adequate ventilation, remove all heat and ignition sources, rinse with plenty of fresh water
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SECTION 7*: HANDLING AND STORAGE


HANDLING:	Keep away from heat and ignition sources Removal of ignition sources (flames, embers, hot surfaces as well as electrical, mechanically generated and electrostatic sparks).
STORAGE:	Store in original containers at room temperature 15 -25 °C. Local and general ventilation. Eliminate ignition sources (flames, embers, hot surfaces as well as electrical, mechanically generated and electrostatic sparks). Use of drip pans is not required as long as individual packages are originally sealed.
VENTILATION:	Provide for local and general aeration/ventilation
INCOMPATIBLE MATERIALS:	In case of prolonged contact with printed surfaces, prints/printing inks may peel off/dissolve depending on the color quality (e.g. printed PC keyboards)
OTHER PRECAUTIONS::	Follow the package instruction

SECTION 8*: EXPOSURE CONTROL & PERSONAL PROTECTIVE EQUIPMENT*

Components with limit values that require monitoring at the workplace:

Fabric	CAS #	MAK-Value		KZG-Value		Notations SSc & B	Reference/Country/Year
		ml/m ³ (ppm)	mg/m ³	ml/m ³ (ppm)	mg/m ³		
Ethanol	64-17-5	500	960	1000	1920	SSc: No damage to the fetus if the MAK value is observed.	SUVA/CH/2018
Propan-2-ol	67-63-0	200	500	400	1000	SSc: No damage to the fetus if the MAK value is adhered to. B: Biological monitoring	SUVA/CH/2018

EYE PROTECTION:	NONE
HAND PROTECTION:	NONE
RESPIRATION PROTECTION:	ENSURE GOOD ROOM VENTILATION

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SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL FORM:	Liquid
COLOUR:	Clear and colorless
SCENT:	Alcohol, mint
pH:	7
FLAME POINT (method):	21.7°C (Tag Closed Cup ^o -Method = T.C.C.)
BOILING POINT:	>190 F / 87.8 °C
MELTING POINT:	N/A
SPECIFIC DENSITY (H₂O=1):	0.85
SOLUBILITY IN WATER:	Completed

SECTION 10: STABILITY AND REACTIVITY

STABILITY:	Stable
HAZARDOUS REACTIONS:	None to be expected
INCOMBATIBLE MATERIALS:	Strong oxides
TO AVOID:	Open flames and sparks
HAZARDOUS DECOMPOSITION PRODUCTS:	Can produce carbon dioxide and carbon monoxide

SECTION 11: TOXICOLOGY DATA AND INFORMATION

Ethanol	LD50 (Oral) at rats	7060 MG/KG BWT
	LD50 (Oral) at humans	1400 MG/KG BWT

SECTION 12: ECOLOGY INFORMATION

This material is classified as non-hazardous and non-toxic to fish or algae.
It is assumed that this material is biodegradable on land as well as in water.

SECTION 13: NOTES ON DISPOSAL

Waste and containers must be disposed of in a secure manner (S35).


DISPOSAL METHOD:

- END USER :** Dispose of completely emptied bag with municipal waste. Return the partially empty bag to the point of sale or hand it over to a collection point for hazardous waste. If the bag is partially empty, return it to the point of sale or take it to a collection point for hazardous waste.
- AGENT/DEALER:** Large quantities of this product and its container must be disposed of as hazardous waste.
- WASTE LIST (VeVA Code):**

Waste directory	Waste code	Classification	Designation according to VeVA
Other organic solvents, washing liquids and alkalis.	07 06 04	S	Other organic solvents, washing liquids and alkalis.

SECTION 14: TRANSPORT INFORMATION

Name & UN-Nr.:	Ethanol, UN1170
TRANSPORT:	Declare transport as "hazardous good"
GRADE:	3
PACKAGING GROUP:	II

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SECTION 15*: REGULATIONS

MARKINGS ACCORDING TO EG DIRECTIVES

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|---|---|---|
| <ul style="list-style-type: none"> • MAIN INGREDIENT (Ethanol): | DANGER SYMBOLS:
R-PHRASES: | F (see SECTION 3)
R11 (see SECTION 3) |
| <ul style="list-style-type: none"> • END PRODUCT (Germstar®ORIGINAL)*: | DANGER SYMBOLS:
H-PHRASE:
R-PHRASE:
S- PHRASE: | (see SECTION 2)
Flam. Liq. 3; H226 / H225 (see SECTION 2)
R10 (see SECTION 2)
S2 Keep out of the reach of children
S7 Keep container tightly closed.
S16 Keep away from sources of ignition - Do not smoke
S35 Waste and containers must be disposed of in a secure manner.
S46 If swallowed, seek medical advice immediately present packaging or label |

INTERNATIONAL REGULATIONS:

EINECS (EUROPE) – The ingredients of this product are listed.
SWISS (SWITZERLAND) - The ingredients of this product are listed

SECTION 16: OTHER DISCLOSURES

CARCINOGEN: NO
ALLERGIC REACTIONS: NO

NOTES: All information is provided solely for safety requirements and is based on our present knowledge. This information does not constitute a guarantee of properties. Existing laws and regulations must be observed by the recipient/user of our products at his own responsibility.

CREATED BY

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