



SAFETY DATA SHEET (SDS)

Date Revised : 01 / 15
Supercedes : 07 / 14

BOTANICAL FOAMING HAND SANITIZER

**KILLS OVER 99.99 % OF GERMS
MADE WITH NATURAL INGREDIENTS
ALCOHOL – FREE
MEETS F.D.A. GUIDELINES**

SECTION 1 : IDENTIFICATION OF SUBSTANCE / COMPANY

PRODUCT NAME / IDENTIFIER :

PRIMARY APPLICATION / RECOMMENDED USAGE :

DISTRIBUTED EXCLUSIVELY BY :

INFORMATION TELEPHONE :

EMERGENCY TELEPHONE :

USAGE RESTRICTIONS :

“ BOTANICAL FOAM HAND SANITIZER ”

Kills over 99.99% of common germs Botanically including MRSA, Staph, E. coli and Salmonella within 15 seconds !
Made from a patented blend of thyme oil + other natural ingredients . Alcohol – Free . Meets or exceeds FDA Guidelines .
HEALTHY CLEAN BUILDINGS
4 Wilmington Drive
Melville, New York 11747
1-631-643-1882
1-905-528-7474
Refer to Product Label

SECTION 2 : HAZARD(S) IDENTIFICATION

Not Classified - No Hazardous Components or VOC release into air . The active ingredient in this mixture of plant extracts is a proprietary, broad spectrum antimicrobial created from a patented blend of botanical thyme oil + other natural ingredients . Independent laboratory studies indicate that “BOTANICAL FOAMING HAND SANITIZER ” kills over 99.99 % of common germs including MRSA, Staph, E coli , and Salmonella in 15 seconds ; and performs as well as alcohol-based hand sanitizers without the use of harsh chemicals (ie: Triclosan , Benzalkonium Chloride) . “BOTANICAL FOAMING HAND SANITIZER ” is recognized as “Generally Recognized as Safe ” (GRAS) and is considered as a Direct Food Additive by the F.D.A. The botanical active ingredient is classified by the E.P.A. as having no known adverse effects to human health or environment . NOTE : Prolonged contact with eyes may cause minor physical irritation . Ingredients used to make this product are not acutely toxic .

Signal Word : Caution

Other Hazards : None

Ingredients with Unknown Acute Toxicity : None



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SECTION 3 : COMPOSITION / INFORMATION ON INGREDIENTS :

Chemical characterization : Mixture

Hazardous Components : N / A

There are No OSHA Hazardous Substances in this product. The exact percentage of ingredients in this product have been withheld as trade secrets . Any hazards associated with this finished product are listed in SECTION 2 of this SDS .

Active Ingredient :	Purpose :	CAS # :	WT % :	ACGIH -TLV
Thymus Vulgaris Oil	Natural Anti-Microbial	8007-46-3	0.04 – 0.06	Non - Established
Thymol – Thyme Oil				

Other Ingredient (Full Disclosure) : Aloe Barbadensis Leaf (aloe vera, a natural emollient and skin conditioner) ; Citric Acid (an antioxidant and environmentally benign cleaning agent) ; Citrus Aurantium Dulcis (Orange) Oil (natural grime emulsifier) ; Copper PCA (a skin conditioner and naturally occurring mineral found in human skin) ; Sodium Decylglucosides Hydroxypropyl Sulfonate (a plant-based emulsifier derived from corn sugar and coconut oil) ; Sodium Coco-Sulfate (a plant-based emulsifier derived from coconut) ; Hydrolyzed Oats (a skin conditioner) ; Sodium Citrate (a natural pH balancer) ; ; Water ; FRAGRANCE : Origanum Vulgare (Oregano) Oil (a natural essential oil fragrance) ; Litsea Cubeba (Litsea) Oil (a natural essential oil)

SECTION 4 : FIRST AID MEASURES

Description of Necessary Measures :

Relevant Routes of Exposure : Skin Contact , Eye Contact , Ingestion

Description of Necessary Measures :

After Inhalation : Under normal conditions No Effect as per FIFRA CFR 10 – Part 162.10 . Under extreme conditions , Supply fresh air . Consult a doctor if adverse conditions persist . Note : Ingredients are not acutely toxic by inhalation .

After Skin Contact : Under normal conditions No Effect as per FIFRA CFR 10 – Part 162.10 . Under extreme conditions , wash with soap and water . If skin irritation or rash persists, seek medical attention .

After Eye Contact : Under normal conditions No Effect as per FIFRA CFR 10 – Part 162.10 . Under extreme conditions , prolonged exposure may cause mild irritation to the eye tissue if not removed . In case of extreme contact , immediately flush eyes with large quantities of warm running water for 15 minutes , lifting upper and lower lids occasionally . If easy to do, remove contact lenses . Continue water rinsing . If eye irritation persists, seek medical attention .

After Ingestion : Under normal conditions No Effect as per FIFRA CFR 10 – Part 162.10 . Under extreme conditions , may cause nausea . Rinse mouth . DO NOT induce vomiting . If patient is fully conscious, continue to rinse mouth with water and drink 2-3 glasses of water . If adverse conditions persist , seek medical attention . Never give anything by mouth if victim is conscious , rapidly losing consciousness, or is convulsing .

Note to Physicians : Treat symptomatically .

Effects of Chronic Exposure : Non-hazardous by OSHA criteria



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SECTION 5 : FIRE FIGHTING MEASURES :

Suitable Extinguishing Media : This product does not support combustion. Use fire extinguishing media appropriate for surrounding materials , such as Foam, Dry Powder, Carbon Dioxide, Water Spray, or Sand .

Specific Hazards Arising from the Chemical : No Data . **Unsuitable Extinguishing Media :** None **Flashpoint (°F, °C , PMCC) :** None to Boil

Flammability : Not Flammable (Aqueous Solution)

Hazardous Combustion Products : Not Applicable

Special Protective Equipment for Fire Fighters : Use protective equipment appropriate for firefighting surrounding materials .

SECTION 6 : ACCIDENTAL RELEASE MEASURES

Environmental Precautions : Ventilate area . Avoid overexposure to skin, eyes, or clothing . Absorb excess product for disposal with inert solids (ie : sand, clay) as soon as possible . Flush remaining product from spill with water to clean up residue . Absorb slurry with an appropriate liquid-binding absorbent (ie : sand, diatomite , universal binders , sawdust) . Clean contaminated surfaces thoroughly . Store leaky container away from other materials . Although product is innocuous , make best efforts to prevent entry into sewers and public waters. Take extreme measures to prevent large quantities of product to reach ground water, water course, or sewage system . Dispose of material and container in accordance with local, state, national , and international regulations .

SECTION 7 : HANDLING & STORAGE REQUIREMENTS

KEEP OUT OF REACH OF CHILDREN : Can be used around children, pets, and the chemically sensitive without the concerns of harmful petrochemical exposure .

Precautions for Safe Handling : Read product literature, label , and SDS before use . Use product strictly according to label directions . Provide adequate ventilation in storage area to prevent formation of fumes .

Hygiene Measures : Launder soiled, contaminated clothing before re-use .

Safe Storage Conditions : Store airtight at room temperature . Keep in original container in a cool , well-ventilated place away from open flame. Keep container closed when not in use. Avoid excessive heat as product may become liquid at temperatures above 115° F (46.1 °C) .

Avoid freezing product as separation will occur .

Incompatible Products : Not Applicable

Incompatible Circumstances : Direct sunlight . Keep from Freezing .

SECTION 8 : EXPOSURE CONTROLS / PERSONAL PROTECTION

Healthy & Safety Accreditation : 100 % Bio-based .

Workplace Control Parameters : If work practices generate dust, fumes, gas, vapors, or mists which expose individuals to abnormal exposure above the occupational exposure limits, local exhaust ventilation or other engineering controls should be considered .

Engineering Controls : Adequate general ventilation

Personal Protective Equipment : When using this product as directed on the product label , no protective equipment is necessary . None required by OSHA or NIOSH . Take normal precautions when using any botanical- based product .

Respiratory Protection : May not be required under normal conditions of use . Otherwise, use appropriate mask

Skin / Hand Protection : May not be required under normal conditions . Otherwise , wear chemical resistant gloves .

Eye Protection : May not be required under normal conditions . Otherwise , wear chemical goggles, safety glasses , or full face shield .

Other Information : DO NOT eat, drink, or smoke during use .



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SECTION 9 : PHYSICAL AND CHEMICAL PROPERTIES

Physical State : Liquid	Color : Translucent White Liquid	Odor : Citrus
pH (as is) : 4.0 – 5.5	Relative Evaporation Rate (butyl acetate=1) : As per water	Melting Point : N/D
Freezing Point : Not Determined	Boiling Point (Initial) : > 212 °F (100 °C)	Flashpoint : Non-Applicable
Solubility in Water : Soluble	Evaporation Rate (Ethyl Ether=1 : ND	Flammability : No
Explosive Limits : Undetermined	Vapor Pressure : Undetermined	Relative Density : 0.995
Partition coefficient : (n-octanol/water) Undetermined	Auto-ignition Temperature : Undetermined	Decomposition Temp. : NE
Specific Gravity (Water = 1) : 1.00 – 1.02	% VOC (by weight) : None	

SECTION 10 : STABILITY AND REACTIVITY

Reactivity : No Additional Information Available
Chemical stability : Stable under Normal Conditions .
Possibility of Hazardous Reactions : Same as Water .
Conditions to Avoid : Direct Sunlight . Extremely High or Low Temperatures . If product is frozen, irreversible separation may occur .
Incompatible Materials : Not Known
Hazardous Decomposition By-products : None

SECTION 11 : TOXICOLOGICAL INFORMATION

Information on Toxicological Effects : There are No OSHA Hazardous Substances in this product. Any hazards associated with this finished product are listed in SECTION 2 of this SDS .
Likely Routes of Exposure : Inhalation, Ingestion, Skin Contact, Eye Contact (No further data is available)
Inhalation : Little , if any , Irritating Effect . If an allergic reaction does occur , move individual to fresh air .
Skin Contact : Little , if any , Irritating Effect . In extreme cases , if " Redness " or Sensitization occurs through direct skin contact , seek the attention of a physician immediately . **Note : Alcohol-based hand sanitizers disrupt the skin's moisture and pH balance by stripping away the natural oil leaving the skin dry and cracked (which actually leaves you more susceptible to infections) . " BOTANICAL HAND SANITIZER " is the same pH as your skin (4-5) so it keeps the skin's natural balance intact while killing germs .**
Eye Contact : Irritating Effect May Occur Through Direct Contact . In extreme cases , if " redness " and watering of eyes persists , seek the attention of a physician immediately .
Ingestion : None Under Normal Use . In extreme cases , nausea , stomach cramps , or vomiting may occur .
Symptoms Related to the Physical, Chemical, and Toxicological Characteristics : No Further Information Available
Delayed and Immediate Effects (Chronic Effects from Short and Long Term Exposure) : Unknown
Delayed and Immediate Effects : Unknown.
Chronic Effects : Unknown.
Teratogenicity, Mutagenicity : No Data Available
Reproductive Toxicity : Not Classified
Specific Target Organ Toxicity (Single Exposure) : Not Classified
Specific Target Organ Toxicity (Repeated Exposure) : Not Classified
Carcinogenic Categories : No components present at 0.1 % or greater are listed as being carcinogens by OSHA, ACGIH , IARC, or NTP .
SARA – Section 13 (Toxic Chemical Release Reporting) 40 CFR 372 : No ingredients above reportable quantities .
NTP (National Toxicity Program) : None of the Ingredients are listed
IARC (International Agency for Research on Cancer) : None of the ingredients are listed .
OSHA (Occupational Safety and Health Administration) : None of the Ingredients are listed



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TOXICOLOGICAL INFORMATION (continued) :

Teratogenicity, Mutagenicity : No Data Available
 Reproductive Toxicity : Not Classified
 Specific Target Organ Toxicity (Single Exposure) : Not Classified
 Specific Target Organ Toxicity (Repeated Exposure) : Not Classified
 Carcinogenic Categories : No components present at 0.1 % or greater are listed as being carcinogens by OSHA, ACGIH , IARC, or NTP .
 Toxic Substances Control Act (TSCA) – All of the ingredients are listed or exempt from listing on the Chemical Substance Inventory .
 NTP (National Toxicity Program) : None of the Ingredients are listed
 IARC (International Agency for Research on Cancer) : None of the ingredients are listed .
 OSHA (Occupational Safety and Health Administration) : None of the Ingredients are listed
 Measures of Toxicity : The following Acute Toxicity Estimates (ATE) are calculated on this GHS document . Data not available or is insufficient for classification .
 Acute Toxicity : (see table below)

<u>Proprietary Surfactant Blend :</u>	<u>Result :</u>	<u>Species :</u>	<u>Exposure :</u>
	LD50	Rat	Oral = 4700 mg/kg
	LC50		Not Available

Symptoms / Injuries After Inhalation : Not Established
 Symptoms / Injuries After Skin Contact : Not Established
 Symptoms / Injuries after Eye Contact : Not Established

SECTION 12 : ECOLOGICAL INFORMATION

ENVIRONMENTAL ACCREDITATION : There are No OSHA , WHMIS , or NOM-010-STPS Hazardous Substances in this product .
 Any hazards associated with this finished product are listed in SECTION 2 of this SDS .

ECOTOXICITY :
 Ingredients : No data available on listed ingredients in SECTION 3 of this SDS .
 Ecotoxicity / Species : No data available.
 Mobility : This product is miscible in water.
 Degradability : This product is expected to be readily biodegradable.
 Additional Information : None available

BIOACCUMULATIVE POTENTIAL :
 Botanical Foaming Hand SanitizerNot Established
TERRESTRIAL TOXICITY :No Additional Information Available
MOBILITY IN SOIL:No Additional Information Available
OTHER ADVERSE EFFECTS :
 Effect on Ozone Layer :No Additional Information Available
 Effect on Global Warming :No Additional Information Available
 Other Information :Not Applicable



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SECTION 13 : DISPOSAL CONSIDERATIONS

Waste Disposal Recommendations : Dispose in safe manner in accordance with local / state / federal / international regulations. Dispose of contents / container in accordance with local/regional/national/ international regulations . May be burned in a chemical incinerator with an afterburner and scrubber after consulting with the waste disposal facility operator and the pertinent authorities while adhering to the necessary regulations .

Ecology – Waste Materials : Avoid release into environment .

Recommended Cleansing Agents : Water Only

SECTION 14 : TRANSPORT INFORMATION

US DOT, IATA, IMDG, TDG, SCT : This product is not regulated for transport.

ADDITIONAL INFORMATION : No other special precautions with transport are known.

SECTION 15 : REGULATORY INFORMATION

Safety, Health, and Environmental Regulations/Legislation specific for the substance or mixture

OSHA HAZARD COMMUNICATION RULE, 29 CFR 1910.1200 :

The Occupational Safety and Health Administration requires Safety Data Sheets to provide any hazards that may be associated with the product and make this information available in the workplace. Since the use pattern and exposure in the workplace are generally not consistent with those experienced by consumers, this SDS may contain additional health hazard information not pertinent to consumer use.

US TSCA INVENTORY STATUS : All chemicals used in this product are either listed on or exempt from the TSCA Inventory.

CANADA DSL STATUS : All chemicals used in this product are either listed or exempt.

SARA 302 COMPONENTS : No chemicals used in this product are reportable under SARA Title III, Section 302.

SARA 311/ 312 / 313 COMPONENTS : No chemicals used in this product are reportable under SARA Title III, Section 311-313.

CALIFORNIA PROPOSITION 65 : This product is not known to contain any chemicals currently listed under California Proposition 65 at reportable levels.

MASSACHUSETTS COMMONWEALTH'S RIGHT TO KNOW : No chemicals used in this product are reportable under the Massachusetts Commonwealth's Right to Know Act.

NEW JERSEY WORKER AND COMMUNITY RIGHT TO KNOW : No chemicals used in this product are reportable under the New Jersey's Right to Know Act.

PENNSYLVANIA WORKER AND COMMUNITY RIGHT TO KNOW : No chemicals used in this product are reportable under the Pennsylvania Worker and Community Right to Know Act.

WHMIS CLASSIFICATION : ND

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SECTION 16 : OTHER INFORMATION

Independent laboratory studies (ATS Labs, Eagan , Mn – An EPA and FDA licensed, GLP compliant, Independent Laboratory) reports that “ BOTANICAL HAND SANITIZER ” performs as well as alcohol-based hand sanitizers without the use of harsh petrochemicals .

Laboratory Data:

Testing Method	Organisms	Results
	MRSA	>99.99% (15 seconds)
GLP Bacterial	Staphylococcus aureus	>99.99% (15 seconds)
Time Kill	Klebsiella pneumoniae	>99.99% (15 seconds)
(in vitro)	Pseudomonas aeruginosa	>99.99% (15 seconds)
	Escherichia coli (E. coli)	>99.99% (15 seconds)

Laboratory studies performed by ATS Labs, Eagan, MN (an EPA and FDA licensed, GLP compliant, independent laboratory).

HMIS Rating	GHS classification ratings order of severity differ from NFPA and HMIS	
HEALTH 0	HMIS/NFPA Hazard Ratings	GHS Hazard Categories
FLAMMABILITY 0	0= Minimal Hazard	Cat 1 - Severe Hazard
PHYSICAL HAZARD 0	1= Slight Hazard	Cat 2 - Serious Hazard
PERSONAL PROTECTION 0	2= Moderate Hazard	Cat 3 - Moderate Hazard
	3= Serious Hazard	Cat 4 - Slight Hazard
	4= Severe Hazard	Cat 5 - Minimal Hazard

DISCLAIMER : This document is intended to provide a brief summary of our present knowledge and guidance regarding the use of this material . The information set forth herein has been compiled from sources to be dependable and is believed to be accurate as of the date of issuance . This information is offered in good faith by HEALTHY CLEAN BUILDINGS and no warranty, expressed or implied, is made . The user assumes all liability for any damage or injury resulting from misuse, from any failure to adhere to recommended practices according to product label (and such), or from any hazards inherent in the nature of the product . This document shall not constitute a guarantee for any specific product features and shall not establish a legally valid contracted relationship.

Footnotes : CALC-Calculated; COR-Corrosive; CS-Cancer Suspect Agent; EST-Estimated; HMIS-Hazardous Material Identification System; NA-Not Applicable; ND-No Data ; NE – Data Not Established; OX- Oxidizer; PEL-Permissible Exposure Limit; PPI-Personal Protection Index ; STEL-Short Time Exposure Limit; TLV-Threshold Limit Value; TWA-Time Weighted Average