



Safety Data Sheet (SDS)

This SDS is intended to comply with OSHA's Hazard Communication Standard, 29 CFR 1910.1200 (revised in 2012), specifically 29 CFR §1910.1200 Appendix D – Minimum Information for Safety Data Sheets (Mandatory). This revised OSHA standard incorporates guidance from the United Nations – Globally Harmonized System (GHS) of classification and labeling of chemicals. The user is directed to rely on this OSHA standard, related regulations and briefs which must be consulted for specific requirements regarding the sound management of chemicals. This SDS attempts to provide information on chemical hazards and communicate them to workers, consumers, emergency responders and the public. It is important to know what compounds are present or have been used in this product, the hazard (if any) each might represent to human health, the environment; plus have and understand the means to control them.


Section 1: Identification

This section identifies the chemical on the SDS as well as the recommended uses. It also provides the essential contact information of the supplier.

Product Identifier (used on the label): Hand Sanitizer	Other Means of Identification (if any): Organic Fair Trade Hand Sanitizer spray
Chemical Manufacturer, Importer, or Other Responsible Party: DR. BRONNER'S MAGIC "ALL-ONE!"	Recommended use of the Product: Sanitizer, For external use only
Address: 1335 Park Center Dr., Vista, CA 92081	Restrictions on use of the Product: Keep away from eyes
Telephone Number (for Information): (760) 743-2211	Emergency Phone Number: Tel*Chem. (800) 255 3924 - Outside USA (813) 248 0573

Section 2: Hazard(s) Identification

This section identifies the hazards of the chemical presented on the SDS and the appropriate warning information associated with those hazards.

GHS Classification: Hazardous	Hazard Statement(s): Flammable, Store in a cool place
Symbol(s): 	
Signal Word: Non Applicable	Precautionary Statement(s): Keep away from eyes and do no inhale
Describe any hazards not otherwise classified which have been identified during the classification process: Not Applicable	
Ingredients of unknown toxicity were <u>not</u> used in this product. If any were and testing of the mixture as a whole has not been performed - the following % of ingredients are of unknown acute toxicity: 0 % of the total mixture consists of ingredient(s) of unknown acute toxicity.	

Section 3: Composition / Information on Ingredients

This section identifies the ingredient(s) contained in the product indicated on the SDS, including impurities and stabilizing additives. This section includes information on substances, mixtures, and all chemicals where a trade secret is claimed.

Chemical Name: Ethyl Alcohol	Common Name and Synonyms: Ethanol	
CAS number and other unique identifiers: 64-17-5	Other Means of Identification / Unique Identifiers (if any – i.e. part number, etc.):	
Impurities and stabilizing additives which are themselves classified and which contribute to the classification of this product: Not Applicable		
<u>Ingredients:</u>	<u>CAS Number:</u>	<u>Percentage:</u>
Are any of the ingredients listed here above their cut-off / concentration limits: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Do any of these ingredients present a health risk below their cut-off / concentration limits: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Has a "Trade Secret" claim been made? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>

Section 4: First-aid Measures

This section describes the initial care which should be given by untrained responders to an individual who has been exposed to the chemical.

Necessary first-aid instructions by route of exposure:

	DESCRIPTION OF THE MOST IMPORTANT SYMPTOMS OR EFFECTS, AND ANY SYMPTOMS WHICH ARE ACUTE (IMMEDIATE) OR DELAYED:	RECOMMENDATIONS FOR IMMEDIATE MEDICAL CARE AND SPECIAL TREATMENT NEEDED, WHEN NECESSARY:
Inhalation	None expected, however, certain individuals may be sensitized and experience minor nausea or headaches.	Remove affected person to fresh air; if symptoms persist seek medical attention.
Skin Contact	None expected, however, prolonged contact may cause irritation.	Remove contaminated clothing; wash affected area with soap and water; launder contaminated clothing before reuse; if irritation persists, seek medical attention.
Eye Contact	Contact with eyes may cause irritation.	Remove contact lenses. Flush eyes with water for 15 minutes; if irritation persists, seek medical attention.
Ingestion	May cause gastric distress, vomiting and diarrhea. Give two glasses of water.	Give two glasses of water for dilution; do not induce vomiting; seek medical attention.

Section 5: Fire-Fighting Measures

This section provides recommendations for fighting a fire caused by the chemical.

Suitable Extinguishing Media: Carbon Dioxide, Dry Chemical, Water	Unsuitable Extinguishing Media: None Known
Specific Hazards Arising From the Chemical: Not Known)	
Special Protective Equipment and Precautions for Fire-Fighters: NIOSH approved respirators should be worn	

Section 6: Accidental Release Measures

This section provides recommendations on the appropriate response to spills, leaks, or releases, including containment and cleanup practices to prevent or minimize exposure to people, properties, or the environment. It may also include recommendations distinguishing between responses for large and small spills where the spill volume has a significant impact on the hazard.

Personal Precautions, Protective Equipment, and Emergency Procedures: Refer to "Section 8 – Exposure Controls / Personal Protection"
Methods and Materials for Containment and Cleaning Up: Small spills (≤ 1 gallon): wash down to sewer with plenty of water. Large spills (> 1 gallon): contain & control with sorbent material, sweep up and dispose in an approved landfill.

Section 7: Handling and Storage

This section provides guidance on the safe handling practices and conditions for safe storage of chemicals.

Precautions for Safe Handling: Read the entire SDS first; keep containers closed when not in use; protect containers from mishandling or abuse; protect from extreme exposures.
Recommendations for General Hygiene Practices: Eating, drinking or smoking in work areas where this product is produced, handled, or stored is prohibited.
Conditions for Safe Storage, Including Any Incompatibilities: Keep containers closed when not in use; protect containers from mishandling or abuse; protect from extreme exposures.

Section 8: Exposure Controls / Personal Protection

This section indicates the exposure limits, engineering controls, and personal protective measures which can be used to minimize worker exposure.

OSHA Permissible Exposure Limit (PEL): Not Established	ACGIH Threshold Limit Value (TLV): Not Established	Other exposure limit used or recommended by the manufacturer:
Appropriate Engineering Controls: Not Applicable		
Ventilation	Local Exhaust: Not Required	Special: None
	Mechanical (General): Not Necessary	Other: None
Individual Protection Measures, Such as Recommended Personal Protective Equipment (PPE):		
Respiratory Protection (Specify Type): None Required		
Protective Gloves: Recommended (PVC, Latex or Nitrile)	Eye Protection: Safety Glasses	
Other Protective Clothing or Equipment: Use near eyewash station		



Work / Hygienic Practices: Always Practice Good Hygiene in production Area.

Section 9: Physical and Chemical Properties

This section identifies physical and chemical properties associated with the substance or mixture.

Appearance (physical state, color, etc.): <u>Colorless Liquid</u>	Vapor Pressure (mm Hg): <u>60 mm Hg @ 20°C</u>
Odor: <u>Odorless</u>	Vapor Density (AIR = 1): <u>1.7</u>
Odor Threshold: <u>Not Determined</u>	Relative Density (or Specific Gravity) (H ₂ O = 1): <u>0.968</u>
pH: <u>N/A</u>	Solubility(ies): <u>Miscible</u>
Melting Point / Freezing Point: <u>N/A</u>	Partition Coefficient (n-octanol / water): <u>Not Determined</u>
Initial boiling point and boiling range: <u>N/A</u>	Auto-Ignition Temperature: <u>Not Determined</u>
Flash Point: <u>~ 65° F</u>	Decomposition Temperature: <u>Not Determined</u>
Evaporation Rate (Butyl Acetate = 1): <u>1.3</u>	Viscosity: <u>Not Determined</u>
Flammability (solid, gas): <u>Flammable</u>	VOC Content (lbs/gal or g/l) <u>Not Determined</u>
Upper / Lower flammability or explosive limits: <u>UEL: 19% / LEL: 3.3%</u>	

Section 10: Stability and Reactivity

This section describes the reactivity hazards of the chemical and the chemical stability information. This section is broken into three parts: reactivity, chemical stability, and other.

Reactivity:

Reactive Non-reactive under normal conditions of storage and use.

Chemical Stability:

Stable Unstable under normal (ambient) temperatures and conditions expected during storage / handling.

Possibility of Hazardous Reactions:

No reasonable possibility of hazardous reactions; There is a possibility of hazardous reactions, such as polymerization, a release of excess pressure / heat or creation of other hazardous conditions. Hazardous reactions may occur during conditions of very high temperature (fire).

Conditions to Avoid (e.g., static discharge, shock, vibration, or environmental conditions):

Avoid extreme temperatures, such as conditions which would support fire / freezing.

Incompatible Materials (e.g., classes of chemicals or specific substances):

No Incompatible Materials

Hazardous Decomposition or Byproducts:

Hazardous Polymerization may occur under if exposed to extreme heat; will not occur under normal use, handling and storage conditions.

Section 11: Toxicological Information

This section identifies toxicological and health effects information or indicates such data are not available.

Likely Routes of Exposure:

Inhalation Ingestion Skin Contact Eye Contact Other: Not Applicable

Symptoms:

List symptoms related to the physical, chemical, and toxicological characteristics.

Health Effects may be:

Delayed Immediate (acute) Chronic (due to short or long term exposure) Considered NOT reasonably anticipated.

Toxicity:

Not Toxic

Carcinogenicity:

This product has not been found to be carcinogenic by the National Toxicology Program (NTP), International Agency for Research on Cancer (IARC), or OSHA.

Section 12: Ecological Information (Non-Mandatory)

This section provides information to evaluate the environmental impact of the chemical(s) if it were released to the environment.

Ecotoxicity (aquatic and terrestrial, where available):

Not expected to be harmful to aquatic or terrestrial organisms

Persistence and Degradability:

Expected to be persistent in the environment; N/A
 Expected to degrade rapidly in the environment (in

Bioaccumulative Potential:

Not Applicable

Mobility in Soil:

Migration potential is considered low

Section 13: Disposal Considerations (Non-Mandatory)

This section provides guidance on proper disposal practices, recycling or reclamation of the chemical(s) or its container, and safe handling practices. To minimize exposure, the reader should refer to Section 8 of this SDS.



Waste Disposal Method:

Dispose of waste including this product must be in accordance with local, state and Federal regulations. Products classified as non-hazardous may become hazardous waste upon contact / mixing with other products. Refer to "40 CFR § 260-299" for complete waste disposal regulations.

Section 14: Transport Information (Non-Mandatory)

This section provides guidance on classification information for shipping and transporting of hazardous chemical(S) by road, air, rail or sea.

UN Number:	UN1170
UN Proper Shipping Name:	Ethanol Solutions
Transport Hazard Class(es):	3
Packing Group (if applicable):	II
Environmental Hazards:	n/a
Transport in Bulk:	According to Annex II of MARPOL 73/78 and the IBC Code

Section 15: Regulatory Information (Non-Mandatory)

This section identifies the safety, health, and environmental regulations specific to this product which are not indicated anywhere else on this SDS

SARA TITLE III Information:

Hazard categories for the Superfund Amendments and Reauthorization Act (SARA) Title III Section 311, 312 & 313 (40 CFR § 370 - 374):

Immediate Hazard: None	Delayed Hazard: None	Fire Hazard: None	Pressure Hazard: None	Reactivity Hazard: None
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Section 16: Other Information, Including Date of Preparation or Last Revision

This section identifies toxicological and health effects information or indicates such data are not available.

Prepared by: Mukat Gupta	Revision: 3.	Issue Date: August 29 th , 2017	Revision Date: June 18, 2018
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The Information contained herein is believed to be accurate, but is not warranted to be so. Users are advised to confirm in advance of need the information is current, applicable and suited to the circumstances of use. Vendor assumes no responsibility for injury to vendee (purchaser / customer) or third persons, if the reasonable safety procedures alluded to herein are not adhered to as stipulated in this safety data sheet. Furthermore, vendor assumes no responsibility for injury caused by abnormal use of this material even if reasonable safety procedures are followed.