

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

Product Identifier (used on the label): Crisp Lavender Hand Sanitizer	Other Means of Identification (if any): Antiseptic Hand Sanitizer
Chemical Manufacturer, Importer, or Other Responsible Party: Chiavoye dba Klean + Hand Sanitizer	Recommended use of the Product: Sanitizer. For external use only.
Address: PO BOX 9751 225 S Broadway Ave. Denver, CO 80209	Restrictions on use of the Product: Keep away from eyes
Telephone Number (for Information): (310) 902 9723	Emergency Phone Number: Tel*Chem. (800) 674 3263 - Outside USA (317) 694 3207

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: H225 – Flam. Liq. 2 – Highly flammable liquid and vapor. H319 – Eye Irrit. 2A – Causes serious eye irritation. H317 – Skin Sens. 1B – May cause an allergic skin reaction.	Hazard Statement(s): H225 - Highly flammable liquid and vapor. H319 – Causes serious eye irritation. H317 – May cause an allergic skin reaction.
Symbol(s):	Signal Word: Danger
Precautionary Statement(s): P101 – If medical advice is needed, have product container or label at hand. Keep out of reach of children. P210 – Keep away from heat/sparks/open flames/hot surfaces. No smoking. P233 – Keep container tightly closed. P261 – Avoid breathing mist, vapors, or spray. P305+P351+P338 – IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P333+P313 – If skin irritation or rash occurs: Get medical attention/advice. P370+P378 – In case of fire: Use for extinction: Alcohol resistant foam or water spray. P403+P235 – Store in a well-ventilated place. Keep cool.	
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:	CAS Number:	Common Name and Synonyms:
Ethanol Lavender, Lavandula Rosemary Eucalyptus Vegetable Glycerin Didecyldimethylammonium-Chloride	64-17-5 8000-28-0 8000-25-7 8000-48-4 56-81-5 7173-51-5	Ethyl Alcohol Lavender Extract Rosemary Extract Eucalyptus Extract Glycerin DDAC – Didecyldimethyl Ammonium Chloride
Other Means of Identification / Unique Identifiers (if any – i.e. part number, etc.): Natural Antiseptic Hand Sanitizer		Impurities and stabilizing additives which are themselves classified and which contribute to the classification of this product: Not Applicable
Active Ingredients:	CAS Number:	Percentage:
Ethyl Alcohol	64-17-5	67 (+/- 3)

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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:	Has a "Trade Secret" claim been made? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
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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;
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: CO ₂ , extinguishing powder or water spray, alcohol resistant foam.	Unsuitable Extinguishing Media: None
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Specific Hazards Arising From the Chemical:

Highly flammable liquid and vapor. Formation of toxic gases is possible during heating or in case of fire.

Special Protective Equipment and Precautions for Fire-Fighters:

NIOSH approved respirators should be worn. Wear fully protective suit.

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; containers closed when not in use; protect containers from mishandling or abuse, protect from extreme exposures; keep out of reach of children.

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. Other exposure limit used or recommended

OSHA Permissible Exposure Limit (PEL): Long-term value: 1900 mg/m ³ , 1000 ppm	ACGIH Threshold Limit Value (TLV): Short-term value: 1880 mg/m ³ , 1000 ppm	by the manufacturer: None.
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Appropriate Engineering Controls:

Not Applicable

Ventilation	Local Exhaust: Not Required	Special: None
	Mechanical (General): Not Necessary	Other: None

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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: *Follow OSHA or EU guidelines.*

Other Protective Clothing or Equipment: *Use near eyewash station*

Work / Hygienic Practices: *The usual precautionary measures for handling chemicals should be followed.*

Section 9: Physical and Chemical Properties

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

Appearance (physical state, color, <i>Colorless Liquid</i>)	Vapor Pressure (mm Hg): <i>Not Determined</i>
Odor: <i>Pleasant</i>	Vapor Density (AIR = 1): <i>Not Determined</i>
Odor Threshold: <i>Not Determined</i>	Relative Density (or Specific Gravity): <i>0.8-1.0</i>
pH: <i>Not Determined</i>	Solubility(ies): <i>Soluble</i>
Melting Point / Freezing Point: <i>Not Determined</i>	Partition Coefficient (n-octanol / water): <i>Not Determined</i>
Initial boiling point and boiling range: <i>Not Determined</i>	Auto-Ignition Temperature: <i>Not Determined</i>
Flash Point: <i><23°C (<73.4°F)</i>	Decomposition Temperature: <i>Not Determined</i>
Evaporation Rate (Butyl Acetate = 1): <i>Not Determined</i>	Viscosity: <i>Not Determined</i>
Flammability (solid, gas): <i>Not Applicable</i>	VOC Content (lbs/gal or g/l): <i>Not Determined</i>
Upper / Lower flammability or explosive limits: <i>Not Determined</i>	

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: *No relevant information available.*

Chemical Stability: *Stable*

Possibility of Hazardous Reactions: *Highly flammable liquid and vapor. Reacts with oxidizing agents.*

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

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

Hazardous Decomposition or Byproducts: *Under fire conditions only. Carbon monoxide and carbon dioxide.*

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:

Symptoms: *Irritation.*

Health Effects may be:
 Delayed Immediate (acute) Chronic (due to short or long term exposure) Considered **NOI** reasonably anticipated.

Toxicity: *Based on the available data, the classification criteria are not met.*

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.

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Ecotoxicity (aquatic and terrestrial, where available): Not expected to be harmful to aquatic or terrestrial organisms.	Persistence and Degradability: Biodegradable
Bioaccumulative Potential: Does not accumulate in organisms.	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 (DOT):	UN1170
UN Proper Shipping Name (DOT):	Ethanol Solutions
Transport Class (DOT):	3 – Flammable and combustible 49 CFR 173.120
Packing Group (if applicable):	II – Medium Danger
Exceptions (DOT):	Limited quantity - 49 CFR 173.150
Environmental Hazards:	N/A

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

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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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.

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