

SAFETY DATA SHEET

Canviva MOISTURIZING HAND SANITIZER

SDS Revision: 1.0



SDS Revision Date: 13July20

1. PRODUCT AND COMPANY IDENTIFICATION

1.1	Product Name:	Canviva MOISTURIZING HAND SANITIZER 1 Gallon
1.2	Product Code:	0C19
1.3	Product Uses & Restrictions:	OTC Drug - Hand Sanitizer for Consumer Use
1.4	Manufacturer Details:	Centre Manufacturing 9809 Hamilton Rd, Eden Prairie MN 55344 952-944-9009 info@canviva.com
1.5	Emergency Phone:	CHEMTEL: 1-800-255-3924 (North America)

2. HAZARDS IDENTIFICATION

The mixture has been assessed for its physical, health and environmental hazards, and the following classification applies.

2.1	Classification of the Substance or Mixture:	Physical Hazards: Flammable Liquid - Category 2 Health Hazards: Eye Irritation - Category 2A Environmental Hazards: Not Classified	
2.2	Labeling Elements:	Hazard Signal Word: Danger Hazard Statements: H225: Highly flammable liquid and vapour H319: Causes serious eye irritation Precautionary Statements: P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P233: Keep container tightly closed. P403+P235: Store in well ventilated place. Keep cool. P264: Wash hands thoroughly after handling. P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337+P313: If eye irritation persists: Get medical advice/attention. P101: If medical advice is needed, have product container or label at hand. P102: Keep out of reach of children. P103: Read label before use. P501: Dispose of contents and container in accordance with all local, regional and national regulations.	Hazard Pictograms:  
2.3	Other Hazards:	None known.	

3. COMPOSITION / INFORMATION ON INGREDIENTS

Mixture:			
CHEMICAL NAME	CAS No.	Hazard Classification	% by Weight
Ethanol	64-17-5	Flammable Liquid, Category 2 Eye Irritation, Category 2A	60 - 70

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as physical, health or the environmental hazards, or have been assigned an occupational exposure limit, and hence require reporting in this section.

4. FIRST AID MEASURES

4.1	Description of First Aid Measures:	<u>Ingestion:</u> In case of ingestion, do not induce vomiting without medical advice. Give victim several glasses of water to drink. Never give anything by mouth to an unconscious person. Seek medical attention if necessary. <u>Eyes:</u> In case of eye contact, rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Seek medical attention in the event of an adverse reaction or if symptoms persist. <u>Skin:</u> If signs of irritation to the skin develop, wash the affected area with plenty of water and soap. Seek medical attention in the event of an adverse reaction or if symptoms persist. <u>Inhalation:</u> If respiratory distress or irritation occurs, remove victim to fresh air. Seek medical attention in the event of an adverse reaction or if symptoms persist.
-----	------------------------------------	---

SAFETY DATA SHEET

Canviva MOISTURIZING HAND SANITIZER

SDS Revision: 1.0

SDS Revision Date: 13July20

4.2	Most Important Symptoms and Effects, Both Acute and Delayed:	Direct eye contact may cause serious eye irritation. Symptoms may include stinging, tearing and redness.
4.3	Indication of Immediate Medical Attention and Special Treatment Needed:	Provide general supportive measures and treat symptomatically. No known specific antidotes.

5. FIRE FIGHTING MEASURES

5.1	Extinguishing Media:	<u>Suitable Extinguishing Media:</u> Water mist, dry chemical, alcohol resistant foam, or carbon dioxide. <u>Unsuitable Extinguishing Media:</u> None known.
5.2	Specific Hazards:	Danger! Highly flammable liquid and vapor. When heated above the flash point, vapours may burn. May produce oxides of carbon and/or nitrogen on combustion.
5.3	Special Protective Equipment and Precautions for Firefighters:	Wear self-contained breathing apparatus and full personal protective gear. Use standard firefighting procedures.

6. ACCIDENTAL RELEASE MEASURES

6.1	Personal Precautions, Protective Equipment and Emergency Procedures:	Observe all personal protection equipment recommendations described in Section 8. Remove all sources of ignition and ensure adequate ventilation. Ventilate closed spaces before entering them. Keep unnecessary personnel away.
6.2	Environmental Precautions:	Dike or contain spill to prevent from entering drains. Avoid direct release to drains, surface and ground water.
6.3	Methods and Material for Containment and Cleaning Up:	Clean up spill with non-combustible absorbent material. Clean area to prevent a slip hazard. Dispose of all washings, sweepings, and absorbents in accordance with federal, state and local regulations. Use non-sparking tools and equipment. Take action to prevent static discharges.

7. HANDLING AND STORAGE

7.1	Precautions for Safe Handling:	Do not use near open flames, sparks or other ignition sources. Utilize safe handling and transportation techniques to avoid spillage or rupture of the product. Ensure adequate ventilation in the workplace. Do not eat, drink, or smoke while handling. Wash hands thoroughly after handling. Wear appropriate personal protective equipment (see Section 8). Routinely wash work clothing and protective equipment. Observe good hygiene practices.
7.2	Conditions for Safe Storage:	Store in a cool, dry, and well-ventilated area away from heat and direct sun-light. Do not expose to high temperatures. Do not store near heat, hot surfaces, sparks, open flames and other ignition sources. Store away from incompatible materials (see Section 10).

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1	Control Parameters:	Occupational Exposure Limits				
		CHEMICAL NAME	CAS Number	OSHA PEL (TWA)	NIOSH REL (TWA)	ACGIH TLV
		Ethanol	64-17-5	1000 ppm 1900 mg/m ³	1000 ppm 1900 mg/m ³	STEL: 1000 ppm
IDHL: Ethanol - 3300 ppm (10% of LEL)						
8.2	Engineering Controls:	Workplace atmospheric monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment. Reference monitoring standards, such as US NIOSH and OSHA Measurement Methods. Provide adequate ventilation in the workplace to maintain airborne levels below recommended exposure limits.				
8.3	Respiratory Protection:	NIOSH approved respirator in accordance with 29 CFR 1910.134 if airborne exposure limits are exceeded.				
8.4	Eye Protection:	Avoid eye contact. Wear protective eyewear (e.g., safety glasses with side-shield) if eye contact hazards exist in the workplace.				

SAFETY DATA SHEET

Canviva MOISTURIZING HAND SANITIZER

SDS Revision: 1.0

SDS Revision Date: 13July20

8.5	Skin Protection:	No special skin protection is required during consumer product use. If anticipated that prolonged or repeated skin contact will occur in the workplace, wear impermeable gloves and suitable protective clothing.
-----	-------------------------	---

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1	Appearance:	Colorless, clear to moderately hazy, viscous gel
9.2	Odor:	Alcohol/lemongrass-ginger
9.3	Odor Threshold:	No data available on this product
9.4	pH:	6.0 - 8.0
9.5	Melting Point:	No data available on this product
9.6	Freezing Point:	No data available on this product
9.7	Initial Boiling Point/Boiling Range:	> 35°C (95°F)
9.8	Flashpoint:	< 23°C (73°F)
9.9	Evaporation Rate:	No data available on this product
9.10	Flammability (solid, gas):	No data available on this product
9.11	Upper/Lower Flammability or Explosive Limits:	UEL: 19.0% (Ethanol) LEL: 3.3% (Ethanol)
9.12	Vapor Pressure:	No data available on this product
9.13	Vapor Density:	No data available on this product
9.14	Relative Density (water=1.0):	0.840 - 0.890
9.15	Solubility:	Soluble
9.16	Partition Coefficient (n-octanol/water):	Ethanol: -0.31 Log K _{ow}
9.17	Autoignition Temperature:	No data available on this product
9.18	Decomposition Temperature:	No data available on this product
9.19	Viscosity:	10,000 - 40,000 cP
9.20	Other Information:	No relevant additional information available on this product

10. STABILITY AND REACTIVITY

10.1	Reactivity:	The product is not reactive under normal conditions of use, storage and transport.
10.2	Chemical Stability:	This product is stable under normal handling and storage conditions.
10.3	Possibility of Hazardous Reactions:	No hazardous reactions known under conditions of normal use. Hazardous polymerization is not expected.
10.4	Conditions to Avoid:	Direct sunlight, extremely high or low temperatures, sparks, open flame, and other ignition sources.
10.5	Incompatible Materials:	Strong acids, bases, and oxidizing agents.
10.6	Hazardous Decomposition Products:	No hazardous decomposition products are known. May produce oxides of carbon and/or nitrogen on combustion.

11. TOXICOLOGICAL INFORMATION

Information on Toxicological Effects: No data available on the mixture. Health effects of the mixture are derived from component literature review and concentrations present. If available, relevant toxicological properties of the components that contribute to classification of the mixture in Section 3 are provided. Evaluations for the mixture may be based on additional component information not shown. This product has not been tested on animals to obtain toxicological data.

11.1	Potential Acute Health Effects and Symptoms:	
	Eye Contact:	Direct eye contact may cause serious eye irritation. Symptoms may include stinging, tearing and redness.
	Skin Contact:	No adverse effects expected from normal use. Prolonged or repeated skin exposure may cause defatting, drying and cracking of the skin.
	Ingestion:	May cause gastrointestinal discomfort/irritation if swallowed. Ingestion of high concentrations may cause nausea, vomiting, and signs of central nervous system depression (headache, dizziness and drowsiness).

SAFETY DATA SHEET

Canviva MOISTURIZING HAND SANITIZER

SDS Revision: 1.0

SDS Revision Date: 13July20

	Inhalation:	No adverse effects expected from normal use. Excessive inhalation may cause nausea, vomiting, and signs of central nervous system depression (headache, dizziness, and drowsiness).
11.2	Potential Chronic Health Effects:	None known
11.3	Acute Toxicity:	Product Summary/Conclusion: Based on available data, classification criteria are not met. Ethanol: CAS 64-17-5 Oral LD50: 7060 mg/kg (Rat) Dermal LD50: 20,000 mg/kg (Rabbit) Inhalation LC50: > 60,000 ppm (114 mg/L), 1 hour (Mouse)
11.4	Skin Corrosion/Irritation:	Product Summary/Conclusion: Based on available data, classification criteria are not met. Ethanol: CAS 64-17-5 Acute Dermal Irritation/Corrosion, OECD 404, Rabbit: Not irritating
11.5	Serious Eye Damage/Irritation:	Product Summary/Conclusion: Causes serious eye irritation. Ethanol: CAS 64-17-5 Acute Eye Irritation/Corrosion, OECD 405, Rabbit (100% active): Moderately irritating Draize Eye Irritation, Rabbit (25-50% active): Non-irritating
11.6	Respiratory or Skin Sensitization:	Product Summary/Conclusion: Based on available data, classification criteria are not met. Ethanol: CAS 64-17-5 Respiratory Sensitization: No reports of human respiratory sensitization Skin Sensitization: No skin sensitization evident in animal studies at 75% concentration.
11.7	Germ Cell Mutagenicity:	Product Summary/Conclusion: Based on available data, classification criteria are not met. No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic. Ethanol: CAS 64-17-5 <i>In-vitro</i> : Negative for bacterial reverse mutation test (OECD 471) in Salmonella typhimurium up to maximum plate concentration of 10 mg/plate, with and without metabolic activation
11.8	Carcinogenicity:	No components at levels greater than or equal to 0.1% are listed as carcinogens by IARC, US OSHA or NTP.
11.9	Reproductive Toxicity:	Product Summary/Conclusion: Based on available data, classification criteria are not met. No data available to indicate product or any components present at greater than 0.1% cause reproductive or developmental effects. Ethanol: CAS 64-17-5 Two-Generation Reproduction Toxicity, OECD 416, Mouse, Oral: NOAEL 15% (20.7g/kg/day) (highest concentration tested) Prenatal Developmental Toxicity, OECD 414, Rat, Inhalation: NOAEL (maternal toxicity) 16,000 ppm, NOAEL (teratogenicity) > 20,000 ppm (highest concentration tested)
11.10	STOT-Single Exposure:	Based on available data, classification criteria are not met.
11.11	STOT-Repeated Exposure:	Product Summary/Conclusion: Based on available data, classification criteria are not met. Ethanol: CAS 64-17-5 90-Day Oral Toxicity, Mouse: NOAEL > 9400 mg/kg (total dose), LOAEL 9700 mg/kg Repeated Dose Inhalation Toxicity, Rat, 4 weeks (6 hours/day, 5 days/week): NOAEC ≥ 6130 ppm
11.12	Aspiration Hazard:	Not classified due to lack of data.

12. ECOLOGICAL INFORMATION

12.1	Ecotoxicity:	Product Summary/Conclusion: Based on available data, classification criteria are not met. Ethanol: CAS 64-17-5 Aquatic Plants EC50: 275 mg/L, 72 hours (Chlorella vulgaris: fresh water algae) Crustacea LC50: 12,340 mg/L, 48 hours (Daphnia magna); EC50: 23,874 mg/L, 24 hours (Artemia) Fish LC50: > 10,000 mg/L, 96 hours (rainbow trout); > 13,400 mg/L, 96 hours (fathead minnow)
12.2	Persistence and Degradability:	Ethanol: CAS 64-17-5 Readily biodegradable
12.3	Bioaccumulative Potential:	No data available
12.4	Mobility in Soil:	No data available
12.5	Other Adverse Effects:	No other known adverse environmental effects or critical hazards.

13. DISPOSAL CONSIDERATIONS

13.1	Waste Disposal Methods:	Dispose of waste material and containers in accordance with appropriate local, state, regional, and national regulations. Do not dispose through sewage. Empty containers should be taken to an approved waste handling site for recycling or disposal.
------	--------------------------------	---

SAFETY DATA SHEET

Canviva MOISTURIZING HAND SANITIZER

SDS Revision: 1.0

SDS Revision Date: 13July20

13.2	Special Precautions:	Observe all precautions for ignitable waste.
13.3	US EPA (RCRA) Hazardous Waste Classification:	U.S. EPA Waste Number: RCRA D001/Unlisted Ignitable Hazardous Waste.

14. TRANSPORT INFORMATION

14.1	US DOT	16 oz and less: Consumer Commodity, Limited Quantity Over 16 oz: UN1170, Ethanol Solution, Class 3, PG II
14.2	IATA (Domestic)	16 oz and less: Consumer Commodity, ID 8000, Class 9 Over 16 oz: UN1170, Ethanol Solution, Class 3, PG II
14.3	IMDG (Domestic)	16 oz and less: UN1170, Ethanol Solution, Class 3, PG II, Limited Quantities Over 16 oz: UN1170, Ethanol Solution, Class 3, PG II
14.5	Environmental Hazards:	None
14.6	Transport in Bulk According to Annex II of Marpol and the IBC Code:	Not applicable
14.7	Special Precautions for User:	Transport within user's premises: Transport in closed containers that are upright and secure. Read SDS and emergency procedures before handling.

15. REGULATORY INFORMATION

15.1	SARA 302 TPQ:	No chemical components in this product are at levels which require reporting.
15.2	SARA 304 RQ:	No chemical components in this product are at levels which require reporting.
15.3	SARA 311/312:	Not applicable - product is exempt.
15.4	SARA 313:	No chemical components in this product are at levels which require reporting.
15.5	CERCLA RQ:	RCRA D001/Unlisted Ignitable Hazardous Waste, Ethanol = 100 lbs
15.6	Clean Air Act (CAA) Section 112(r) TQ:	No chemical components in this product are listed.
15.7	Clean Water Act (CWA):	No chemical components in this product are listed.
15.8	State Regulations:	Follow state regulations for work with chemical agents.

16. OTHER INFORMATION

16.1	Legend:	ACGIH: American Conference of Governmental Industrial Hygienists CAS: Chemical Abstracts Service CERCLA: Comprehensive Environmental Response, Compensation, and Liability Act CFR: Code of Federal Regulations DOT: (US) Department of Transportation EC50: Effective Concentration, 50% EPA: Environmental Protection Agency IARC: International Agency for the Research of Cancer IATA: International Air Transport Association IBC: Intermediate Bulk Container IDHL: Immediately Dangerous to Life or Health Concentrations IMDG: International Maritime Dangerous Goods LC50: Lethal Concentration, 50% LD50: Lethal Dose, 50% LOAEL: Lowest Observed Adverse Effect Level Log K _{ow} : Logarithm of the n-octanol/water partition coefficient NIOSH: National Institute for Occupational Safety and Health NOAEC: No Observed Adverse Effect Concentration NOAEL: No Observed Adverse Effect Level NTP: National Toxicology Program OECD: Organisation for Economic Co-operation and Development OSHA: Occupational Safety & Health Administration OTC: Over-The-Counter PEL: Permissible Exposure Limit
------	----------------	---

SAFETY DATA SHEET

Canviva MOISTURIZING HAND SANITIZER

SDS Revision: 1.0

SDS Revision Date: 13July20

		RCRA: Resource Conservation and Recovery Act
		REL: Recommended Exposure Limit
		RQ: Reportable Quantity
		SARA: Superfund Amendments and Reauthorization Act
		SDS: Safety Data Sheet
		STEL: Short Term Exposure Limit
		STOT: Specific Target Organ Toxicity
		TLV: Threshold Limit Value
		TPQ: Threshold Planning Quantity
		TQ: Threshold Quantity
		TWA: Time Weighted Average
		UN: United Nations
		US: United States
16.2	Disclaimer:	This Safety Data Sheet is intended to provide a brief summary of our knowledge and guidance regarding the use of this product. The information set forth herein has been compiled from sources considered to be reliable and is believed to be accurate as of the date of publication. This information is offered in good faith by Centre Manufacturing and the accuracy, suitability or completeness is not guaranteed, and no warranties of any type, either expressed or implied, are provided. If this product is combined with other materials, all component properties must be considered. The user assumes all liability for any damage or from any hazards inherent in the nature of the product.
16.3	Last Revision Date:	Not applicable
16.4	Reason for Revision:	First issue