

SAFETY DATA SHEET

Date Entered: 11/5/20 Modified: 7/7/21

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PRODUCT AND COMPANY IDENTIFICATION

English

- (1.) Trade Name: **Hand Serum Hand Sanitizer**
- (2.) Chemical Name: Benzelkonium Chloride
- (3.) Product Number: 5-970-24, 5-970-8, 5-970-1K
- (4.) Chemical Family: Foaming Non-Alcohol Hand Sanitizer
- (5.) Chemical Formula: Hand Sanitizer
- Manufactured For: Serum Products, LLC
 1355 West Oak Commons Lane
 Unit B
 Marietta 30062 U.S.A.
 +1 (678)-290-1880
- 
- (7.) Preparers Name: Bill Lyon Phone: +1 (678)-290-1880 U.S.A.
- (8.) **Emergency Contact Phone Numbers:** Medical: (678) 290-1880 Transportation: **(800) 535-5053**

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HAZARDS IDENTIFICATION

English

- (1.) Hazardous Classification: Category 2B eye irritation (2.) Signal Word: Warning
- (3.) Hazardous Statement: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do so. Continue rinsing. If eye irritation persists, get medical attention
- (4.) Precautionary Labeling: Harmful or fatal if swallowed. Could cause eye injury. Avoid contact with eyes. Do not ingest. Keep out of reach of children. Keep container closed when not in use. Store container in cool dry areas. Store at temperatures below 122° F. Do not dispose of the unused portions into water ways, streams, rivers, estuaries and oceans.
- (5.) Description Other Hazards: None Known
- (6.) Unknown Toxicity: None Known

HAZARD CLASS
None
UN NUMBER
None
EMERGENCY PHONE
(800) 535-5053

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COMPOSITION/INFORMATION ON INGREDIENTS

Note: the list of all hazardous substances or CERCLA greater 1% and carcinogens at 0.1% or greater.

(1.) Ingrediente:	(2.) SARA Nota	(3.) CAS #:	(4.) % range:	(5.) PEL:	(6.) LD50:	(7.) TLV:
Benzelkonium Chloride		8001-54-5	0-5	N/D	N/D	N/D
Phenoxyethanol		122-99-6	0-5	N/D	N/D	N/D
Propylene Glycol		57-55-6	0-5	N/D	N/D	N/D
Water	1	07732-18-5	85-100	non hazardous	non hazardous	non hazardous

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Balance Nonhazardous

Note: 1.) Deionized water

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FIRST AID MEASURES

English

- (1.) Main entry routes into the body(s): _____ (2.) Eyes: X (3.) Skin: _____ (4.) Inhalation: _____ (5.) Ingestion: _____
- (6.) Acute Effects: _____
- (7.) Eyes: Flush eyes under eyelids with plenty of cool water for at least 15 minutes. If irritation persists, seek medical/advice attention.

- (8.) Skin: Slight irritation may occur with some hyper sensitive skin conditions

- (9.) Inhalation: Remove to fresh air. If breathing difficulty or discomfort occurs and/or persists, contact a physician. If breathing has stopped, administer artificial respiration.

- (10.) Ingestion: DO NOT induce vomiting. Contact a physician or Poison Control immediately. Do not induce vomiting never give anything by mouth to an unconscious person.

- (11.) Acute Symptoms: typically none

- (12.) Note to Physician:
Treat symptomatically

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FIRE FIGHTING MEASURES

- (1.) Flammable Properties: This product is NOT flammable or combustible.

Extinguishing media

- (2.) Suitable Extinguishing Media:
Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

- (3.) Unsuitable extinguishing media:
not known

Protection of Fire Fighters

- (4.) Protective Equipment:
use proper PPE

- (5.) Specific Hazards:
No flammable or combustible.

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ACCIDENTAL RELEASE MEASURES

English

- (1.) Personal Precautions: no special measures required
- (2.) Environmental Precautions: Avoid contact of large amounts of spilled material runoff with soil and surface waterways.

(3.) Waste Disposal Method: Absorb with inert material. Use a water rinse for final clean-up.

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HANDLING AND STORAGE

- (1.) Storage: Keep out of reach of children. Keep container tightly closed. Store between 32 and 122 degrees F.
- (2.) Handling: Use splash goggles.
- (3.) Precautionary Labeling: Harmful or fatal if swallowed. Could cause eye injury. Avoid contact with eyes. Do not ingest. Keep out of reach of children. Keep container closed when not in use. Store container in cool dry areas. Store at temperatures below 122° F. Do not dispose of the unused portions into water ways, streams, rivers, estuaries and oceans.

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Exposure Controls/Personal Protection

- (1.) **Ventilation:** (2.) Local Exhaust: (3.) General Exhaust: (4.) None Required: X
- (5.) **Personal Protection Equipment:**
- (6.) **Respirator Type:** (7.) Full Face Respirator: (8.) Half Face Respirator: (9.) Dust Particle Filter:
- Note: None Required
- (10.) **Gloves:** (11.) Natural rubber: (12.) Plastic: (13.) Nitril: (14.) Neoprene: (15.) Butyl:
(16.) Other: None Required
- (17.) **Eye Protection:** (18.) Glasses With Side Shields: (19.) Full Face Shield: (20.) Chemical Splash Goggles: X
(21.) Other: Eye protection should be used when splashing may occur

(22.) **Symbols Of PPE Required:**

CHEMICAL NAME:	ACGIH	OSHA

(23.) **Engineering Controls:**

Good general ventilation should be sufficient to control workers exposure to airborne contamination

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PHYSICAL & CHEMICAL PROPERTIES

English

- (1.) Physical State: Liquid
- (2.) Appearance: Clear Colorless Liquid
- (3.) Odor: None
- (4.) Boiling Point: 212 °F 100 °C
- (5.) Freeze Point: 32 °F 0 °C
- (6.) Flash Point: No inflamable °F
- (7.) Specific Gravity: 1.00
- (8.) Density: 8.345 lbs./Gal.
- (9.) pH Neat: 4.2
- (10.) pH 1%: 4.2
- (11.) % Solids:
- (12.) % Volatiles: 99.9%
- (13.) Solubility In Water: Complete
- (14.) Vapor Pressure: n/d
- (15.) Vapor Density: n/d
- (16.) Evaporation Rate: > 1
- (17.) VOC Less Exempt: 0.0
- (18.) VOC As Packaged: 0
- (19.) Viscosity: 1

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CHEMICAL STABILITY & REACTIVITY INFORMATION

- (1.) Thermal Stability: Stable
- (2.) Chemical Stability: Stable
- (3.) Condition To Avoid: Heat over 122 degrees F or 37.8 degrees C
- (4.) Hazardous Decomposition Products: carbon oxides
- (5.) Hazardous Polymerization: (A) May Occur: (B) Will not occur: X
- (6.) Materials To Avoid: None Known
- (7.) Corrosive Action On Materials: None Known
- (8.) Avoid: Temperatures over 122° F

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TOXICOLOGICAL INFORMATION

- (1.) Routs(s) of entry into the body: (2.) Eyes: X (3.) Skin: (4.) Inhalation: (5.) Ingestion:
- (2.) Eyes: Contact with the eyes from this product could result in irritation
- (3.) Inhalation: No symptoms known
- (4.) Skin: No symptoms known
- (5.) Ingestion: No symptoms known
- (6.) Toxicity Data: Oral: >5000 mg/kg, Dermal: >5000 mg/kg, Carcinogenicity: No component of this product present at levels greater than or equal to 0.1% is identified as a probable possible or confirmed human carcinogen by IARC

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(7.) Summary Of Health Effects:

SKIN: None Known

EYES: irritation, redness

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ECOLOGICAL INFORMATION

English

(1.) Environment:

This product ingredients are expected to be safe for the environment at the concentrations predicted under normal use and accidental spill scenarios. Packaging components are compatible with the conventional solid waste management practices

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DISPOASAL CONSIDERATIONS

(1.) Waste Disposal:

The product should not be allowed to enter drains, water courses or the soil. When possible recycling is preferred to disposal or incineration. If recycling is not practical, dispose of in compliance with local regulations. Dispose of wastes in an approved waste disposal facility. Dispose of as unused product. Empty containers should be taken to an approved waste handling site fir recycling or disposal. Do not reuse empty containers.

(2.) Legislation:

N/D

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TRANSPORTATION INFORMATION

(1.) Indicate country agency/regulator that specifies requirements: U.S.A.-DOT

(2.) **PROPER SHIPPING DESCRIPTION:**

5 GALLON CONTAINERS OR MORE PROPER SHIPPING DESCRIPTION

	Compoud, Cleaning, Liquid, Item Name: Hand Serum, Item Number: 5-970, Container: Case, NMFC: 48580-03
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4 X 1 GALLON CONTAINERS OR LESS LIMITED QUANTITY PROPER SHIPPING DESCRIPTION

	Compoud, Cleaning, Liquid, Item Name: Hand Serum, Item Number: 5-970, Container: Case, NMFC: 48580-03
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(3.) Hazard Class: n/a (4.) Hazard Number: n/a (5.) HazChem Code Number: n/a

(6.) Packaging Group: n/a (7.) Emergency Response Code: n/a

(8.) Labels Required: n/a (9.) Other Requirements: n/a

(10.) Note: None

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REGULATORY INFORMATION

English

(1.) Poison Schedule:

All ingredients in this product are either listed or exempt from listed on the TSCA inventory. CERLA: Not determined. SARA TITLE III: None. SARA 313 REPORT: None

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OTHER INFORMATION

(1.) Additional Information:

ACRONYMS :

ADB -Air Dry Basis

BEI - Biological Exposure Index (s)

CAS # - Chemical Abstract Service number - used to uniquely identify chemical compounds

CNS - Central Nervous System

IARC - International Agency for Research on Cancer

M - moles per liter concentration unit

mg/m³ - Milligrams per cubic meter

NOS - Not specified

pH - relates to hydrogen ion concentration using a scale of 0 (high acidic) to 14 (very alkaline)

ppm = parts per million

TWA / ES - Time Weighted Average or Exposure Standard .

IBC Code - International Bulk Chemical Code

IMDG - International Maritime Dangerous Goods Code

HEALTH EFFECTS OF EXPOSURE :

Note that the effects of exposure to this product will depend on several factors including : the frequency and duration of use ; amount used ; effectiveness of control measures ; protective equipment used and method of application . Since it is impractical to prepare a Chem Alert report which would encompass all possible scenarios , it is anticipated that users assess the risks and apply control methods where appropriate .

(2) Recommendations:

The recommendation for protective equipment contained within this Chem Alert report is provided as a guide only . Factors such as method of application, working environment , quantity used , product concentration and the availability of engineering controls should be considered before making the final selection of personal protective equipment .

COLOR RATING SYSTEM : All Chem Alert reports is rated green, amber or red for the sole purpose of providing users with a quick and easy way to determine the dangerousness of a product. Safe handling recommendations are provided in the Chem Alert reports so as to clearly identify how users can control the hazards and hence reduce the risk (or likelihood) of adverse effects. As a general guideline , rated Green indicates a low risk , a rating of amber indicates a moderate degree of risk and red indicates a high risk.

While all due care has been taken by Serum Products in the preparation of the Color Rating System , intended as a guide only and Serum makes no warranty regarding the accuracy of the color classification system . Serum accepts no responsibility or liability for acts or omissions of any person in reliance on the color classification system .

(3) Report Status:

This document has been prepared by the product's manufacturer and serves as the manufacturer's safety data sheet (SDS) .

It is based on information which has been provided by or obtained from other third party sources and is believed to represent the current state of knowledge about the safety measures and appropriate management for the product at the time of issue. Further clarification regarding any aspect of the product should be obtained directly from Serum Products .

While Serum Products has taken due care to include up-to-date information in this SDS it makes no warranty as to the accuracy or completeness. Serum Products will accept no responsibility for any loss , injury or damage (including consequential loss) suffered or incurred by any person as a result of their reliance on the information contained in this SDS

Chemical Alert Color: **GREEN**

Manufactured For:

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Marietta, GA 30062

USA

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+1 678 290-1769 Fax

E-mail: info@serumsystems.com

Web: www.serumsystems.com

Hand Serum Hand Sanitizer

Reorder Number: **5-970-24, 5-970-8, 5-970-1K**

SDS Date: 7/7/21 End Report

n/d = Not Determined, n/a = Not Applicable