

Material Safety Data Sheet

MSDS ID: SK-124C

***** Section 1 - Chemical Product and Company Identification *******Product Name: ESTESOL® FH**

Product Use: Skin Cleansing

Manufacturer InformationEvonik Stockhausen, Inc.
2401 Doyle Street
Greensboro, NC 27406

Non-Emergency # 800-242-2271

Emergency # (800) 424-9300 CHEMTREC (North America)
Emergency # (703) 527-3887 CHEMTREC (International, call collect)**General Comments**

Emergency telephone numbers are to be used only in the event of chemical emergencies involving a spill, leak, fire, exposure or accident involving the product. All Non-emergency questions should be directed to the Toll Free, Non-Emergency number above.

***** Section 2 - Hazards Identification *******Emergency Overview**

Handle as an eye irritant.

Potential Health Effects: Eyes

May cause reddening and slight irritation of the eyes.

Potential Health Effects: Skin

Reddening of the affected area with possible itching, burning or other discomfort.

Potential Health Effects: Ingestion

Ingestion may cause stomach cramps and/or diarrhea.

Potential Health Effects: Inhalation

None.

HMIS Ratings: Health: 1 Fire: 0 Reactivity: 0 Pers. Prot.: None required.

Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe * = Chronic hazard

***** Section 3- Composition / Information on Ingredients *****

CAS #	Active Ingredient
68391-01-5	Benzalkonium chloride

Component Information/Information on Non-Hazardous Components

This antimicrobial hand wash is regulated by the US Food and Drug Administration as an "Over-The-Counter" topical antimicrobial drug product. The active ingredient is listed in FDA's 1995 Tentative Final Monograph: "Topical Antimicrobial Drug Products for Over-The-Counter Human Use..." As a FDA regulated product, the final components are exempt from the US TSCA chemical registration regulations. This product is not transport regulated.

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This product is a cosmetic intended for personal use in the workplace and is thus regulated by FDA. See container label regarding proper handling and use of this product. Ingredients are listed in descending order of concentration on the container label. Toxic Substances Control Act (TSCA): Exempt For OSHA workplace hazards, investigate and read and understand component MSDS's before manufacturing. Workplace Hazardous Materials Information System (WHIMS-Canada): Exempt-cosmetic hand cleaner

*** Section 4 - First Aid Measures ***

First Aid: Eyes

Immediately flush eyes with plenty of water for at least 15 minutes. If irritation persists get medical attention.

First Aid: Skin

No adverse effects expected with intended hand cleaner use.

First Aid: Ingestion

Never give anything by mouth to a victim who is unconscious or is having convulsions. Give several glasses of water to dilute contents of stomach and call a physician. Do not induce vomiting unless directed to do so by medical personnel.

First Aid: Inhalation

No adverse effects expected with intended hand care use.

*** Section 5 - Fire Fighting Measures ***

General Fire Hazards

None.

Upper Flammable Limit (UFL): Not determined

Lower Flammable Limit (LFL): Not determined

Method Used: PMCC

Flash Point: >212°F

Flammability Classification: Not Flammable

Auto Ignition: Not determined

Hazardous Combustion Products

Thermal decomposition generates oxides of carbon, nitrogen and sulfur.

Extinguishing Media

Water spray, carbon dioxide, dry chemical and foam extinguishers.

Fire Fighting Equipment/Instructions

Normal firefighting procedures require self contained breathing apparatus with protective gear for any hostile fire.

NFPA Ratings: Health: 1 Fire: 0 Reactivity: 0

Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe

*** Section 6 - Accidental Release Measures ***

Containment Procedures

Absorb spill with inert material.

Clean-Up Procedures

Absorb spill with inert material. Shovel material into appropriate container for disposal. Flush small residuals to the drain for normal biological wastewater treatment.

Evacuation Procedures

None.

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Special Procedures

None

*** Section 7 - Handling and Storage ***

Handling Procedures

Handle as an eye irritant.

Storage Procedures

Store in tightly closed container away from heat and oxidizing agents.

*** Section 8 - Exposure Controls / Personal Protection ***

Exposure Guidelines

A: General Product Information

FDA regulated. For OSHA workplace hazards, investigate and read and understand component MSDS's before manufacturing.

B: Component Exposure Limits

No information is available.

Engineering Controls

None necessary.

PERSONAL PROTECTIVE EQUIPMENT

Personal Protective Equipment: Eyes/Face

Avoid eye contact.

Personal Protective Equipment: Skin

None.

Personal Protective Equipment: Respiratory

None.

Personal Protective Equipment: General

Obey reasonable safety precautions and practice good housekeeping.

*** Section 9 - Physical & Chemical Properties ***

Appearance: Clear, colorless to light amber	Odor: No appreciable odor.
Physical State: Liquid	pH: 6.2-7.2
Vapor Pressure: Not Established	Vapor Density: Not Established
Boiling Point: Not Established	Melting Point: Not Established
Solubility (H2O): Miscible in water	Specific Gravity: 1.0 g/cc ³
	Flash Point: 212°F (PMCC)

*** Section 10 - Chemical Stability & Reactivity Information ***

Chemical Stability

Stable under usual application conditions.

Chemical Stability: Conditions to Avoid

Strong oxidizing agents.

Incompatibility

Strong oxidizing agents.

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Hazardous Decomposition

None identified.

Hazardous Polymerization

Hazardous polymerization will not occur.

*** Section 11 - Toxicological Information ***

Acute and Chronic Toxicity

A: General Product Information

None.

B: Acute Toxicity-LD50/LC50

No LD50/LC50's are available for this product's components.

Carcinogenicity

A: General Product Information

Not listed by ACGIH, IARC, NIOSH, NTP OR OSHA.

B: Component Carcinogenicity

No information is available.

Other Toxicological Information

None.

*** Section 12 - Ecological Information ***

Ecotoxicity

A: General Product Information

No information available.

B: Component Analysis - Ecotoxicity - Aquatic Toxicity

No information available.

Environmental Fate

No information available.

*** Section 13 - Disposal Considerations ***

US EPA Waste Number & Descriptions

A: General Product Information

Controlled release of diluted product into a biological wastewater treatment plant.

B: Component Waste Numbers

No EPA Waste Numbers are applicable for this product's components.

Disposal Instructions

Dispose of waste material according to Local, State, Federal, and Provincial Environmental Regulations.

*** Section 14 - Transportation Information ***

International Transportation Regulations

This product is not regulated as a hazardous material by the United States (DOT) or Canadian (TDG) transportation regulations.

*** Section 15 - Regulatory Information ***

US Federal Regulations

A: General Product Information

Not subject to TSCA regulation. Regulated as a personal use cosmetic by FDA. Listed

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B: Clean Air Act

No information is available.

C: Component Analysis

No information is available.

State Regulations

A: General Product Information

None identified.

B: Component Analysis - State

None of this product's components listed in Section 2 are on the state lists from CA, FL, MA, MN, NJ, or PA.

Component Analysis - Inventory

Component	CAS #	TSCA	CAN	EEC
Benzalkonium chloride	68391-01-5	Yes	DSL	EINECS

Component Analysis - WHMIS IDL

No components are listed in the WHMIS IDL.

***** Section 16 - Other Information *****

Other Information

The information provided in this Material Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process unless specified in the text.

MSDS History

This is a revised MSDS. The active component is corrected from the previous version. Section's 2 & 3 continue to reflect proposed 2004 ANSI Standards format recommendations for 2007 implementation.
1-27-09 Reviewed. Sec. 9: pH range adjusted, spelling error corrected in Secs. 3 & 15.

Contact: Product Compliance Officer

Contact Phone: (800) 242-2271

This is the end of MSDS #: SK-124C