

Material Safety Data Sheet

Stoko Spray Instant Hand Sanitizer

MSDS ID: SK-156

***** Section 1 - Chemical Product and Company Identification *******Chemical Name:** Hand Cleaner**Product Use:** Sanitizer**Manufacturer Information**

Bentfield Europe B.V.

Lucas Bolsstraat 7

Nieuw-Vennep, Nederland 2152 CZ

Distributor/Contact Information

Stockhausen Inc.

2401 Doyle Street

Greensboro, NC 27406

Phone: (800) 242-2271

Emergency # (800) 424-9300

***** Section 2 - Composition / Information on Ingredients *****

CAS #	Component	Percent
64-17-5	Ethyl alcohol	>60

Component Information/Information on Non-Hazardous Components

None

***** Section 3 - Hazards Identification *******Emergency Overview****Caution:** Flammable Liquid.**Potential Health Effects: Eyes**

May cause eye irritation.

Potential Health Effects: Skin

Not expected to be a skin irritant under normal use conditions.

Potential Health Effects: Ingestion

Harmful if swallowed.

Potential Health Effects: Inhalation

Not an inhalation hazard under normal use conditions.

HMIS Ratings: Health: 1 Fire: 2 Reactivity: 0 Pers. Prot.: B**Hazard Scale:** 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe * = Chronic hazard***** Section 4 - First Aid Measures *******First Aid: Eyes**

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice if symptoms persist.

First Aid: Skin

None.

First Aid: Ingestion

If the material is swallowed, get immediate medical attention or advice -- Give several glasses of water. DO NOT induce vomiting unless directed to do so by medical personnel.

First Aid: Inhalation

None.

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

General Fire Hazards

This product is flammable.

Upper Flammable Limit (UFL): Not determined

Lower Flammable Limit (LFL): Not determined

Method Used: Not Determined

Flash Point: 24° C

Flammability Classification: 1C

Auto Ignition: Not determined

Hazardous Combustion Products

None identified.

Extinguishing Media

Foam and carbon dioxide are most effective.

Fire Fighting Equipment/Instructions

Firefighters should wear full-face, self contained breathing apparatus and impervious protective clothing.

NFPA Ratings: Health: 1 Fire: 2 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.

Evacuation Procedures

Isolate area. Eliminate ignition sources.

Special Procedures

None.

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

Handling Procedures

Keep out of reach of children. Do not smoke when using.

Storage Procedures

Do not store near sources of ignition.

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

A: Component Exposure Limits

Ethyl alcohol (64-17-5)

OSHA: 1000 ppm TWA; 1900 mg/m3 TWA

ACGIH: 1000 ppm TWA

B: Exposure Limits for Chemicals which may be generated during processing

Ethyl alcohol (64-17-5)

ACGIH: 1000 ppm TWA

OSHA: 1000 ppm TWA; 1900 mg/m3 TWA

NIOSH: 1000 ppm TWA; 1900 mg/m3 TWA

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Engineering Controls

None necessary.

PERSONAL PROTECTIVE EQUIPMENT

Personal Protective Equipment: Eyes/Face

Avoid eye contact.

Personal Protective Equipment: Skin

Not expected to be skin irritant under normal use conditions.

Personal Protective Equipment: Respiratory

None.

Personal Protective Equipment: General

Obey reasonable safety precautions and practice good housekeeping.

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

Appearance: Colorless
Physical State: Liquid
Vapor Pressure: 24°C
Boiling Point: >78°C
Solubility (H₂O): very soluble

Odor: Alcohol
pH: 6.5-7.5
Vapor Density: NA
Melting Point: NA
Specific Gravity: 0.91 kg/l

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

Chemical Stability

Stable under normal conditions.

Chemical Stability: Conditions to Avoid

Sources of ignition.

Incompatibility

None identified.

Hazardous Decomposition

None identified.

Hazardous Polymerization

Hazardous polymerization will not occur.

*** Section 11 - Toxicological Information ***

Acute and Chronic Toxicity

A: General Product Information

Ethyl alcohol is irritating to the eyes, nose and respiratory system at very high vapor concentrations. Repeated ingestion of ethyl alcohol may result in liver damage.

B: Acute Toxicity-LD₅₀/LC₅₀

Ethyl alcohol (64-17-5)

LD₅₀: Inhalation LC₅₀ Rat: 20000 ppm/10H
Inhalation LC₅₀ Mouse: 39 gm/m³/4H
Oral LD₅₀ Rat: 7060 mg/kg
Oral LD₅₀ Mouse: 3450 mg/kg

Carcinogenicity

Component Carcinogenicity

Ethyl alcohol (64-17-5)

ACGIH: A4 - Not Classifiable as a Human Carcinogen

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Other Toxicological Information

None.

*** Section 12 - Ecological Information ***

Ecotoxicity

A: General Product Information

Ecological impacts are not expected with normal use.

B: Component Analysis - Ecotoxicity - Aquatic Toxicity

Ethyl alcohol (64-17-5)

96 Hr LC50 rainbow trout (30 days old): 12900 mg/L

24 Hr LC50 fingerling trout: 11200 mg/L

96 Hr LC50 fathead minnow: 14200 mg/L (flow-through)

Environmental Fate

No information available.

*** Section 13 - Disposal Considerations ***

US EPA Waste Number & Descriptions

A: General Product Information

Wastes must be tested using methods described in 40 CFR Part 261 to determine if it meets applicable definitions of hazardous wastes.

B: Component Waste Numbers

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

Disposal Instructions

Dispose of empty containers according to all State and Federal environmental regulations.

*** Section 14 - Transportation Information ***

US DOT Information

Shipping Name: Ethyl alcohol , solution

UN/NA #: 1170 **Hazard Class:** 3 **Packing Group:** III

Required Label(s): Flammable

Additional Info.: This product has a flash point greater than 24°C and is therefore classified as a Packing Group III. As long as the volume in each package does not exceed five (5) liters, this product may be classified as a Consumer Commodity ORM-D. However, if shipped by air, this exception does not apply and the product must be shipped as a DOT flammable material.

*** Section 15 - Regulatory Information ***

US Federal Regulations

A: General Product Information

None

B: Clean Air Act

No information is available.

C: Component Analysis

No information is available.

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D: Food & Drug Administration

CFR references for the FDA regulated components in this product are listed.

Ethyl alcohol (64-17-5)

Direct Food 172.560, 172.340

Additives:

Indirect Food 175.105

Additives:

GRAS: 184.1293

State Regulations

A: General Product Information

None identified.

B: Component Analysis - State

The following components appear on one or more of the following state hazardous substances lists:

Component	CAS #	CA	FL	MA	MN	NJ	PA
Ethyl alcohol	64-17-5	Yes	Yes	Yes	Yes	Yes	Yes

The following statement(s) are provided under the California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65):

WARNING! This product contains a chemical known to the state of California to cause reproductive/developmental effects.

Component Analysis - WHMIS IDL

The following components are identified under the Canadian Hazardous Products Act Ingredient Disclosure List:

Component	CAS #	Minimum Concentration
Ethyl alcohol	64-17-5	0.1%; English Item 684; French Item 805

Component Analysis - Inventory

Component	CAS #	TSCA	CAN	EEC
Ethyl alcohol	64-17-5	Yes	DSL	EINECS

*** Section 16 - Other Information ***

Key/Legend

Contact: Product Safety Compliance Officer

Contact Phone: (800) 242-2271