

Material Safety Data Sheet

STOKO GEL INSTANT HAND SANITIZER

MSDS ID: SK-123A

***** Section 1 - Chemical Product and Company Identification *******Chemical Name:** STOKO GEL INSTANT HAND SANITIZER**Product Use:** Skin Cleansing**Manufacturer Information**

None

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
67-63-0	Isopropyl alcohol
64-17-5	Ethyl alcohol

Component Information/Information on Non-Hazardous Components

This antimicrobial hand sanitizer is regulated by the US Food and Drug Administration and in Canada as an "Over-The-Counter" topical antimicrobial drug product. The active ingredient, ethyl alcohol, is listed in FDA's 1995 tentative Final Monograph: "Topical Antimicrobial Drug products for Over-The-Counter Human Use...". as a FDA and Canadian drug regulated product, the final components are exempt from US TSCA and Canadian DSL chemical registration regulations. This product is transport regulated as: ORM-D with a package limitation maximum of 30 liters (7.9 gallons).

***** Section 3 - Hazards Identification *******Emergency Overview**

Components ethanol and isopropanol are severe eye irritants, resulting in corneal injury if not removed immediately. Prolonged inhalation may cause headache, eye, nose and throat irritation, with possible central nervous system effects:depressant. Ingestion may cause birth defects (teratogen).

Potential Health Effects: Eyes

This product is irritating to the eyes and respiratory system.

Potential Health Effects: Skin

None, normally. However, may cause rash if used in association with certain drugs given in alcohol detoxification programs. Get medical help if this happens.

Potential Health Effects: Ingestion

Seek medical attention.

Potential Health Effects: Inhalation

This product is irritating to the eyes and respiratory system.

HMIS Ratings: Health: 2 Fire: 3 Reactivity: 0 Pers. Prot.: None required.

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

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

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First Aid: Eyes

In case of contact, immediately flush eyes with large amounts of water, continuing to flush for 15 minutes. If irritation persists get medical attention.

First Aid: Skin

None.

First Aid: Ingestion

If material is swallowed, get medical attention or advice.

First Aid: Inhalation

If inhaled, immediately remove the affected person to fresh air.

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

General Fire Hazards

Component ethyl alcohol is highly flammable and a dangerous fire hazard when exposed to heat and/or flames. This product is a moderate fire hazard and explosion hazard when exposed to heat and/or flame.

Upper Flammable Limit (UFL): 19%

Lower Flammable Limit (LFL): 3.3%

Method Used: PMCC

Flash Point: 68° F

Flammability Classification: IB

Auto Ignition: Not determined

Hazardous Combustion Products

On thermal decomposition: oxides of carbon.

Extinguishing Media

Dry chemical, foam, carbon dioxide, water fog.

Fire Fighting Equipment/Instructions

Fire fighters should wear full-face, self contained breathing apparatus and impervious protective clothing. Fire fighters should avoid inhaling any combustion products.

NFPA Ratings: Health: 2 Fire: 3 Reactivity: 0

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

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

Containment Procedures

Contain and remove all sources of ignition. Wear appropriate protective gear. Collect using suitable absorbent if needed.

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

Treat as moderate fire and explosion hazard.

Special Procedures

Caution: Flammable material. Store in an appropriate hazardous materials storage facility.

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

Handling Procedures

Avoid eye contact and prolonged inhalation of vapors. Avoid prolonged contact with sensitive skin. Do not ingest.

Storage Procedures

Keep away from sources of ignition, protect from sunlight and excessive heat.

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*** 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

Isopropyl alcohol (67-63-0)

OSHA: 400 ppm TWA; 980 mg/m3 TWA

ACGIH: 200 ppm TWA

Engineering Controls

None required for intended use.

PERSONAL PROTECTIVE EQUIPMENT

Personal Protective Equipment: Eyes/Face

Avoid eye contact.

Personal Protective Equipment: Skin

Avoid prolonged contact with sensitive skin.

Personal Protective Equipment: Respiratory

Avoid prolonged inhalation of vapors.

Personal Protective Equipment: General

Obey reasonable safety precautions and practice good housekeeping.

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

Appearance: Clear, colorless
Physical State: gel
Vapor Pressure: ethanol comp. 40 mm Hg
Boiling Point: as Ethanol : 78.5° C
Solubility (H2O): N/E

Odor: perfume fragrance
pH: N/E
Vapor Density: 1.6 (Air = 1)
Melting Point: N/E
Specific Gravity: 0.9

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

Chemical Stability

Stable under usual application conditions.

Chemical Stability: Conditions to Avoid

None.

Incompatibility

Oxidizers, including chlorine bleach and hydrogen peroxide. Acids, platinum and silver.

Hazardous Decomposition

On thermal decomposition oxides of carbon.

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.

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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

Isopropyl alcohol (67-63-0)

LD50: Inhalation LC50 Rat: 16000 ppm/8H
Oral LD50 Rat: 5045 mg/kg
Oral LD50 Mouse: 3600 mg/kg
Dermal LD50 Rabbit: 12800 mg/kg

Carcinogenicity

A: General Product Information

Ingestion may cause birth defects (teratogen).

B: Component Carcinogenicity

Ethyl alcohol (64-17-5)

ACGIH: A4 - Not Classifiable as a Human Carcinogen

Isopropyl alcohol (67-63-0)

ACGIH: A4 - Not Classifiable as a Human Carcinogen
IARC: Monograph 71, 1999; Supplement 7, 1987; Monograph 15, 1977

Other Toxicological Information

None.

*** Section 12 - Ecological Information ***

Ecotoxicity

A: General Product Information

See component information.

B: Component Analysis - Ecotoxicity - Aquatic Toxicity

Ethyl alcohol (64-17-5)

96 Hr LC50 rainbow trout (30 days old): 12900 mg/L flow-through
24 Hr LC50 fingerling trout: 11200 mg/L
96 Hr LC50 fathead minnow: 14200 mg/L flow-through

Isopropyl alcohol (67-63-0)

96 Hr LC50 fathead minnow (29 days old): 94900 mg/L flow-through
96 Hr LC50 fathead minnow (31 days old): 61200 mg/L flow-through

Environmental Fate

No information available for the product.

*** Section 13 - Disposal Considerations ***

US EPA Waste Number & Descriptions

A: General Product Information

This material is a hazardous waste by the EPA definition of flammability.

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.

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*** Section 14 - Transportation Information ***

Shipping Name: Consumer Commodity, ORM-D

Additional Info.: This product is transport regulated as "Consumer Commodity, ORM-D" with a package size limitation maximum of 30 liters (7.9 gallons).

*** Section 15 - Regulatory Information ***

US Federal Regulations

A: Clean Air Act

No information is available.

B: Component Analysis

Isopropyl alcohol (67-63-0)

Section 313: 1.0 percent de minimis concentration (only if manufactured by the strong acid process, no supplier notification)

C: Food & Drug Administration

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

Ethyl alcohol (64-17-5)

Indirect Food 175.105

Additives:

GRAS: 184.1293

Isopropyl alcohol (67-63-0)

Direct Food 172.515, 173.240, 173.340

Additives:

Indirect Food 175.105

Additives:

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	No	Yes	Yes	Yes	Yes
Isopropyl alcohol	67-63-0	Yes	No	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

No components are listed in the WHMIS IDL.

Component Analysis - Inventory

Component	CAS #	TSCA	CAN	EEC
Ethyl alcohol	64-17-5	Yes	DSL	EINECS
Isopropyl alcohol	67-63-0	Yes	DSL	EINECS

*** Section 16 - Other Information ***

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Other Information

Reasonable care has been taken in the preparation of this information, but the manufacturer makes no warranty of merchantability or any other warranty, expressed or implied, with respect to this information. The manufacturer makes no representations and assumes no liability for any direct, incidental or consequential damages resulting from its use.

MSDS History

Revision: MSDS first issued on 3/05/03. Advisory added to Section 3, regarding drug interaction.

Key/Legend

N/E= Not Established

N/A= Not Applicable

Contact: Product Compliance Officer

Contact Phone: (800) 242-2271