

**BIN#462**

May be used to comply with OSHA's Hazard Communication Standard, 29 CFR 1910.1200. Standards must be consulted for specific requirements.

Identity (As used on Label and List)

**Stoko Gel Instant Hand Sanitizer**

Note: Blank spaces are not permitted. If any item is not applicable, or no information is available, the space must be marked to indicate that.

**Section I**

Manufacturer's Name and Address

Stockhausen, Inc.  
2401 Doyle Street  
Greensboro, NC  
27406

456276

Emergency Telephone Number

(800) 242-2271

Telephone Number for Information

(336) 333-3500

Date Prepared

10/16/98

Signature of Preparer (optional)

*Walter R. Pelt*

NA = Not Applicable

NE = Not Established

NH = Non-Hazardous

**Section II - Hazardous Ingredients/Identity Information**

Serial Number 0611-1

Hazardous Components (Specific Chemical Identity; Common Name(s))	OSHA PEL	ACGIH TLV	Other Limits Recommended	% (Optional)
Ethyl alcohol CAS No 00064-17-5	1000 ppm	1000 ppm	irritant (eye,severe)	59%(vol)
Isopropyl alcohol CAS No 00067-63-0	400 ppm	400 ppm	irritant (eye,severe)	3%(vol)

This antimicrobial hand sanitizer is regulated by the US Food and Drug Administration and 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 an FDA and Canadian drug regulated product, the final components are exempt from US TSCA and Canadian DSL chemical registration regulations, respectively. This product is transport regulated as: ORM-D with package size limitation maximum of 30 liters (7.9 gallons).

**SARA Section 313 Reportable Toxic Chemicals - NONE%**

**Section III - Physical/Chemical Characteristic**

Bolling Point	Ethanol cmpnt.	78°F	Specific Gravity (H2O=1)	Approximately	0.9
Vapor Pressure (mm Hg.)	Ethanol cmpnt.	40	Melting Point	Not establishe	N/E
Vapor Density (AIR=1)	Ethanol cmpnt.	1.6	Evaporation Rate (Butyl Acetate =1)	Not establishe	N/E
Solubility In Water	Miscible (soluble) with water.				
Appearance and Odor	Clear, colorless, viscous gel with fragrance added.				

**Section IV - Fire and Explosion Hazard Data**

Flash Point (Method Used)	68°F (PMCC)	Flammable Limit LEL	3.3%	UEL	19%
Extinguishing Media	Carbon dioxide (CO2), dry chemical, foam (alcohol type) extinguishants.				
Special Fire Fighting Procedure	None. Normal firefighting procedures require self-contained breathing apparatus with protective gear for any hostile fire.				
Unusual Fire and Explosion Hazard	Component, ethyl alcohol is highly flammable and a dangerous fire hazard when exposed to heat and/or flames. This product is a moderate fire and explosion hazard when exposed to heat and/or flames.				



**Section V - Reactivity Data**

Stability  Unstable  Stable  
 Conditions to Avoid None known.

Incompatibility (Materials to Avoid) Oxidizers, including chlorine bleach, hydrogen peroxide. Acids, platinum and silver.

Hazardous Decomposition or Byproducts On thermal decomposition; oxides of carbon.

Hazardous Polymerization  May Occur  Will Not Occur  
 Conditions to Avoid None known.

**Section VI - Health Hazard Data**

Routes of Entry Inhalation: Yes Skin: Yes Ingestion: Yes

Health Hazards (Acute and Chronic) Components, ethanol and isopropanol are severe eye irritants, resulting in corneal injury if not removed immediately. Prolonged inhalation may create headache, eye, nose and throat irritation, with possible Central Nervous System effects: depressant. Ingestion: may cause birth defects (teratogen).

Carcinogenicity NTP: No IARC: No OSHA: No

Signs and Symptoms of Exposure Reddening, swelling, of eye area with severe irritation, burning or other discomfort. Headache, dizziness, irritation of the respiratory tract.

Medical Conditions Generally Aggravated by Exposure Existing cuts, rashes, dermatitis, allergies or other sensitive areas.

Emergency and First Aid Procedures Eyes: flush thoroughly with water immediately. With continued discomfort or discoloration get emergency medical attention. Inhalation: Move to source of fresh air. Ingestion: Get professional medical attention. Provide msds and label to physician.

**Section VII - Precautions for Safe Handling and Use**

Steps in Case of Released/Spilled Contain. Remove all sources of ignition. Wear appropriate protective gear. Collect, using suitable absorbent if needed. Flush residuals to the drain for normal biological wastewater treatment. Put collected material into suitable containers for proper disposal.

Waste Disposal Method Incinerate in accordance with local, state and federal regulations. This material is a hazardous waste by EPA definition of Flammability.

Precautions to be Taken in Handling/ Storage Caution: Flammable material. Store in appropriate hazardous materials storage facility. Do not store above 110°F. Handle as a severe eye irritant. Avoid prolonged contact with sensitive skin.

Other Precautions Keep away from flames or heat above 110°F. Avoid prolonged inhalation of vapors. Do not ingest.

**Section VIII - Control Measures**

Respiratory Protection Not required for intended use as an instant hand sanitizer. Otherwise observe MSDS Section II limits.

Ventilation Local Exhaust Not required for intended use.

Special Not required.

Mechanica Not required for intended use.

Other Ventilation Not required.

Protective Glove Not required for intended use.

Eye Protection Not required for intended use.

Other Protective Clothing or Equipment Not required for intended use. This product is intended for use as an instant hand sanitizer.

Work/Hygienic Practices Not required for intended use as an instant hand sanitizer.