

HAND SANITIZER GEL

STOCK# 80110, 80510, 80810

## MATERIAL SAFETY DATA SHEET

IDENTITY AND MANUFACTURER'S INFORMATION				
<b>NFPA Rating:</b> Health- 2; Flammability-3; Reactivity-0 ;		<b>HMIS Rating:</b> Health- 2; Flammability-4; Reactivity-0 ; Personal Protection-1		
<b>Manufactured for:</b> Hospital Specialty Company		<b>DOT Hazard Classification:</b> Flammable liquid. Shipping name: Flammable liquids n.o.s. UNNA: 1170 PG: II		
<b>Address:</b> 7501 Carnegie Avenue Cleveland, OH 44103-4896		<b>Identity:</b> Hand Sanitizer Gel		
<b>Date Prepared:</b> 9/3/98 <b>Prepared By:</b> Cedric Kahn		<b>Emergency Phone #:</b> CHEMTREC 1-800-424-9300		
<b>For Information: (216) 361-1230</b>				
SECTION 1 - HAZARDOUS (OR OTHER) INGREDIENTS				
<b>Chemical Name (ingredients):</b> Ethyl Alcohol	<b>CAS #</b> 64-17-5	<b>% by wt.</b> 30-60	<b>TLV/PEL</b> TWA: 1000 (ppm)  TWA: 1900 (mg/m3)	<b>LC/LD.</b> ORAL (LD50): Acute 8300 mg/kg (Mouse); 13700 mg/kg (Rat). 17750 mg/kg (Rat)
SECTION 2 - PHYSICAL DATA				
<b>Physical State:</b> Liquid gel (clear)	<b>Odor:</b> Citrus		<b>Boiling Pt.:</b> 87.59°C (189.7°F)	
<b>Vapor Density:</b> 1.34	<b>Color:</b> Colorless		<b>PH (undiluted):</b> N/A	
<b>Volatility:</b> 95% (v/v)	<b>Ionicity (in water):</b> N/A		<b>PH (in water):</b> 7.5 to 8.3 (Basic)	
<b>Vapor Pr.</b> 43 mm of HG (@ 20°) (Ethyl alcohol). Weighted average: 32.09 mm of HG (@ 20°C)	<b>Odor Threshold:</b> The highest known value is 100 ppm (Ethyl alcohol)		<b>Solubility:</b> Easily soluble in cold water, hot water, methanol	
<b>Evaporation Rate:</b> N/A	<b>Specific Gravity:</b> 0.896 (Water=1)		<b>Molecular Weight:</b> N/A	
<b>Melting Point:</b> - 65.87°C (-86.6°F)	<b>Viscosity cps:</b> N/A		<b>Critical Temperature:</b> N/A	
SECTION 3 - FIRE AND EXPLOSION HAZARD				
<b>Flash Point (Method Used):</b> CLOSED CUP: 12.5°C (54.5°F).		<b>Flammable Limits:</b> The greatest known range is LOWER: 3.33% UPPER: 19% (Ethyl alcohol)		
<b>Special Fire Fighting Procedures:</b> None		<b>Extinguishing Media:</b> Flammable liquid. SMALL FIRE: Use DRY chemicals, CO2, alcohol foam or water spray. LARGE FIRE: Use alcohol foam, water spray or fog		
<b>Unusual Fire Explosion Hazards:</b> Slightly explosive to explosive in presence of oxidizing materials				
SECTION 4 - REACTIVITY DATA				
<b>Threshold Limit Value:</b> Ethyl alcohol TWA: 1000 (ppm) TWA: 1900 (mg/m3)		<b>Incompatibility:</b> Highly reactive with oxidizing agents, acids. Reactive with reducing agents.		
<b>Hazardous Decomposition:</b> None		<b>Hazardous Polymerization:</b> N/A		
SECTION 5 - HEALTH HAZARD DATA				
<b>Health Hazards (Acute &amp; Chronic):</b> Slightly hazardous in case of eye contact (irritant), or ingestion. <b>Carcinogenic Effect:</b> N/A <b>Teratogenic Effects:</b> N/A		<b>Medical Conditions Aggravated by Exposure:</b> None known <b>Routes Of Entry:</b> Ingestion, skin contact, eye contact, inhalation. <b>Mutagenic Affects:</b> None <b>Developmental Toxicity:</b> N/A. The substance is toxic to blood, kidneys, liver.		
<b>Signs &amp; Symptoms of Exposure:</b> <b>Eye contact:</b> May cause eye irritation. <b>Inhalation:</b> Prolonged exposure may cause irritation of the respiratory tract. <b>Ingestion:</b> May cause gastric upset.		<b>Emergency &amp; First Aid Procedures:</b> <b>Eye contact:</b> DO NOT RUB EYES. Flush with water for 15 minutes. Keep eyelids open. If irritation persists, seek medical attention. <b>Ingestion:</b> Do not induce vomiting. Have conscious person drink several glasses of water or milk. Seek immediate medical attention. <b>Inhalation:</b> Allow the victim to rest in well ventilated area. Get medical attention if irritation persist.		
SECTION 6 - PRECAUTIONS FOR SAFE HANDLING				
<b>Steps to be used in case material is released or spilled:</b> Dilute with water and mop up, or absorb with inert DRY material and place in an appropriate disposal container. <b>Waste Disposal Method:</b> Recycle if possible. Consult your local, state and federal regulations.		<b>Precautions to be taken in handling and storing:</b> Avoid eye contact. Store at room temperature. <b>Other precautions:</b> Do not ingest. Do not breath gas, fumes, vapor or spray over long period. Keep out of reach of children. Keep away from heat, from sources of ignition. Avoid contact with eyes.		

**SECTION 7 - CONTROL MEASURES**

**Respiratory Protection:** In case of insufficient ventilation, wear suitable respiratory equipment.

**Ventilation:** Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value. Ensure that eyewash stations and safety showers are proximal to the work-station location.

**Protective Gloves:** Not required if used as directed.

**Eye Protection:** Safety glasses.

**SECTION 8 - REGULATORY CONSIDERATIONS****NOT REGULATED BY OSHA, WHIMIS, TSCA, SARA OR STATES.**

Cosmetics & ingredients are not considered hazardous or reportable by any federal (TSCA, OSHA, WHIMIS, SARA, CERCLA, EPCRA, RCRA), any state or any other right-to-know regulations. TSCA, OSHA standards, SARA TITLE III and state right-to-know laws make exemptions, exclusions and exemptions for cosmetic products that are regulated by any labeled according to Food and Drug Administration (FDA).

Components of the product are listed, exempted or excluded from the requirements

TSCA, DSL, EINECS

SARA TITLE III: Sec. 302 EHS, TPQ; NA Sec. 304 EHS RQ; NA Sec. 311/312; NA Sec. 313; None

USA STATE REGULATIONS: Reportable substance present at notification quantities; N/A and not known

INTERNATIONAL HAZARD CLASS: Canada (WHIMIS or TDG); Not a controlled product EEC.; Not regulated

INFORMATION PRESENTED HEREIN HAS BEEN COMPILED FROM SOURCES CONSIDERED TO BE DEPENDABLE AND IS ACCURATE AND RELIABLE TO THE BEST OF OUR KNOWLEDGE AND BELIEF, BUT IS NOT GUARANTEED TO BE SO. THIS MSDS COMPLIES WITH OSHA FORM 174, EEC, & DRAFT ANSI FORMATS.

N/A = Not Applicable

N/D = No Data

N/E= Not Established

**OTHER RELEVANT INFORMATION:** NO DATA AVAILABLE UNLESS SPECIFICALLY INDICATED BELOW

DATE 1/1/99  
SUPERSEDES ALL PREVIOUS