



Safety Data Sheet

STERILLIUM COMFORT GEL HAND SANITIZERS

Section 1. Identification

Product Identifier	STERILLIUM COMFORT GEL HAND SANITIZERS		
Synonyms	MSC097062 ; MSC097062H ; MSC097063 ; MSC097063H ; MSC097065 ; MSC097065H		
Manufacturer Stock Numbers	MSC097063 ; MSC097062 ; MSC097065		
Recommended use	In-door use.		
Uses advised against	Medicinal products. Restricted to professional users.		
Manufacturer Contact Address	Medline Industries, Inc. One Medline Place Mundelein, IL, 60060 USA		
	Phone	Emergency Phone	Fax
	(800) 633-5463	(800) 424-9300 CHEMTREC CHEMTREC	(847) 643-4436
	Website		
	www.Medline.com		

Section 2. Hazards Identification

Classification	FLAMMABLE LIQUIDS - Category 2
Signal Word	Danger
Pictogram	A red diamond-shaped pictogram with a black flame symbol in the center, representing a flammable liquid hazard.
Hazard Statements	Highly flammable liquid and vapor
Precautionary Statements	
Response	If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. In case of fire: Use water spray, alcohol-resistant foam, dry chemical or carbon

Prevention	dioxide to extinguish. Ground/bond container and receiving equipment. Keep away from heat/sparks/open flames/hot surfaces. - No smoking Keep container tightly closed. Take precautionary measures against static discharge. Use explosion-proof electrical/ventilating/lighting equipment. Use only non-sparking tools. Wear protective gloves/eye protection/face protection
Storage	Store in a well-ventilated place. Keep cool.
Disposal	Dispose of contents/container to an approved waste disposal plant.
General	Keep out of reach of children
Ingredients of unknown toxicity	0%
Hazards not Otherwise Classified	The following percentage of the mixture consists of ingredient(s) with unknown acute toxicity: 12.7445 %

Section 3. Ingredients

CAS	Ingredient Name	Weight %
64-17-5	Ethyl alcohol	70% - 90%

Occupational exposure limits, if available, are listed in Section 8.

Section 4. First-Aid Measures

General Advice:	Take proper precautions to ensure your own health and safety before attempting rescue and providing first aid. Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area. If you feel unwell, seek medical advice (show the label where possible).
Eye Contact:	Flush eyes with large amounts of water for at least 15 minutes. Remove contact lenses, if worn. If irritation persists, seek medical attention.
Ingestion:	Never give anything by mouth to an unconscious person. Rinse mouth with water. Get medical attention if discomfort occurs
Note to Physician:	For specialist advice physicians should contact the Poison Information Service.

Section 5. Fire Fighting Measures

Suitable Extinguishing Media	In case of fire, use Water spray, Dry Chemical, Alcohol-resistant foam or Carbon Dioxide (CO2)
Unsuitable Extinguishing Media	N/A
Hazardous combustion products:	No hazardous combustion products are known.
Special Fire Fighting Procedures:	Self contained breathing apparatus and full protective clothing recommended.
Further information:	Standard procedure for chemical fires.

Section 6. Accidental Release Measures

Flammable Small Spill:	Absorb with an inert dry material and place in an appropriate waste disposal container.
Flammable Large Spill:	Flammable liquid. Keep away from heat. Keep away from sources of ignition. Stop leak if without risk. Absorb with dry earth, sand or other non-combustible material. Do not touch spilled material. Prevent entry into sewers, basements or confined areas; dike if needed.
Environmental Precautions:	Do not flush into surface water or sanitary sewer system. Should not be released into the environment

Section 7. Handling and Storage

Handling Flammable:	Keep away from heat. Keep away from sources of ignition. Ground all equipment containing material. Do not ingest. Do not breathe gas/ fumes/ vapor/ spray. Avoid contact with eyes. Wear suitable protective clothing. In case of insufficient ventilation, wear suitable respiratory equipment. If ingested, seek medical advice immediately and show the container or the label. Keep away from incompatibles such as oxidizing agents, acids.
Storage Flammable:	Store in a segregated and approved area. Keep container in a cool, well-ventilated area. Keep container tightly closed and sealed until ready for use. Avoid all possible sources of ignition (spark or flame).

Section 8. Exposure Controls/Personal Protection

Occupational Exposure Limits	Ingredient Name	ACGIH TLV	OSHA PEL	STEL
	Ethyl alcohol	STEL: 1,000 ppm	TWA: 1,000 ppm 1,900mg/mm ³	N/A
		Note: Upper respiratory track irritation. Confirmed animal carcinogen with unknown relevance to humans.	29 CFR 1910.1000 Table Z-1 Limits	
Personal Protective Equipment	N/A			
Protective measures:	No special protective equipment required.			
Work/hygienic practices:	Handle in accordance with good industrial hygiene and safety practice. Wash thoroughly with soap and water after handling and before eating, drinking, or using tobacco. Safety shower and eye wash should be available close to work areas.			

Section 9. Physical and Chemical Properties

Physical State	Liquid
Color	Viscous, colorless
Odor	Alcoholic
Odor Threshold	N.A.
Solubility	Insoluble
Partition coefficient Water/n-octanol	N.A.
VOC%	N/A
Viscosity	4 Pa.s (20° C/68° F)
Specific Gravity	1
Density lbs/Gal	N/A
Pounds per Cubic Foot	N/A
Flash Point	17.1° C /62.8° F)
FP Method	ASTM D 3278
Ph	N.A.
Melting Point	N.D.
Boiling Point	N.A.
Boiling Range	N.A.
LEL	78
UEL	N/A
Evaporation Rate	N.A.
Flammability	N.A.
Decomposition Temperature	N.A.
Auto-ignition Temperature	N.A.
Vapor Pressure	N.A.
Vapor Density	N.A.

Section 10. Stability and Reactivity

Stability:	Stable.
Reactivity:	No reactivity expected under normal conditions
Incompatibility (Materials to Avoid):	None known
Possibility of hazardous reactions:	Vapors may form explosive mixture with air. Exothermic reactions with strong acids.
Conditions to avoid:	Keep away from heat. Open flame. Sparks.

Section 11. Toxicological Information

Likely Routes of Exposure:	N.A.
Acute Toxicity:	Product: N.A.
Acute Toxicity: Oral LD50:	Ethyl Alcohol CAS No. 64-17-5 Species: Rat 6,200 mg/kg
Acute Toxicity: Inhalation LC50	Ethyl Alcohol CAS No. 64-17-5 Species: Rat 124.7 mg/l 4hours
Skin corrosion/irritation:	Product: No skin irritation Ingredient: Ethyl Alcohol CAS-No. 64-17-5 Species: Rabbit Exposure time:24h Method: Draize test Result: Mild skin irritation
Serious eye damage/Eye irritation:	Product: No eye irritation Ingredient: Ethyl Alcohol CAS-No. 64-17-5 Species: Rabbit Result: Mild eye irritation Exposure time: 24h Method: Draize test
Respiratory/Skin Sensitization:	Product: N.A.
Germ cell Mutagenicity:	Product: N.A.
Carcinogenicity:	Product: N.A. Ethyl Alcohol CAS-No. 64-17-5 IARC: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by IARC. Ethyl Alcohol CAS-No. 64-17-5 OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA. Ethyl Alcohol CAS-No. 64-17-5 NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.
Reproductive Toxicity:	Product: N.A.
Specific Target Organ Toxicity - Single exposure:	Product: N.A.
Specific Target Organ Toxicity - Repeated exposure:	Product: N.A.

Section 12. Ecological Information

Toxicity:	Acute Fish Toxicity: Ethyl Alcohol CAS No. 64-17-5 LC50 (Fish): 13,000 mg/l Exposure time: 96h
Toxicity:	Toxicity to Daphnia and Other Aquatic Invertebrates Ethyl Alcohol CAS-No. 64-17-5 EC50 (Daphnia magna (Water flea)): 12,340 mg/l Exposure time: 48 h
Toxicity:	Algae Ethyl Alcohol CAS-No. 64-17-5 EC50 (Pseudokirchneriella subcapitata (green algae)): 5,000 mg/l Exposure time: 72 h
Persistence and degradability:	Product: N.A.
Bioaccumulative potential:	Product: N.A.
Mobility in soil:	Product: N.A.
Other adverse effects:	Product: Regulation 40 CFR Protection of Environment; Part 82 Protection of Stratospheric Ozone - CAA Section 602 Class I Substances
	Remarks This product neither contains, nor was manufactured with Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App. A + B).

Section 13. Disposal

Waste Disposal:	Waste must be disposed of in accordance with federal, state and local environmental control regulations.
Contaminated packaging:	Empty remaining contents. Store containers and offer for recycling of material when in accordance with the local regulations.

Section 14. Transport Information

UN Number 1170
UN Proper Shipping Name Ethanol Solution (Ethyl Alcohol Solution)
DOT Classification 3
Packing Group II
IMDG - UN Number 1170
IMDG - UN Proper Shipping Name Ethanol Solution (Ethyl Alcohol Solution)
IMDG - Packing Group II
IMDG - Hazard Class: 3
IMDG - EMS-No: F-E, S-D
IMDG - Marine pollutant: No
IATA - UN Number: 1170
IATA - UN Proper Shipping Name: Ethanol Solution
IATA - Packing Group: II
IATA - Hazard Class: 3
Special precautions for user: N.A.
Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code N.A. for product as supplied.

Section 15. Regulatory Information

SARA Title III Section 302 Extremely Hazardous Substances: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA Title III Section 304 Extremely Hazardous Substances Reportable Quantity: This material does not contain any components with a section 304 EHS RQ.

SARA Title III Section 313 Toxic Chemicals: This material does not contain any chemical components with known CAS No. that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313

Clean Air Act: This product does not contain any hazardous air pollutants (HAP), as defined by the U.S. Clean Air Act Section 12 (40 CFR 61)
This product does not contain any chemicals listed under the U.S. Clean Air Act Section 112(r) for Accidental Release Prevention (40 CFR 68.138, Subpart F).

Clean Water Act: This product does not contain any toxic pollutants listed under the U.S. Clean Water Act Section 307
This product does not contain any Hazardous substances listed under the U.S. Clean Water Act, Section 311, Table 116.4A

Massachusetts Right to Know Components: Ethyl Alcohol CAS-No. 64-17-5 70-90%

Pennsylvania Right to Know Components: Ethyl Alcohol CAS-No. 64-17-5 70-90%
Water CAS-No. 7732-18-5 10-20%

New Jersey Right to Know Components: Ethyl Alcohol CAS-No. 64-17-5 70-90% Water CAS-No. 7732-18-5 10-20%

California Prop.65: This product does not contain any chemicals known to the State of California to cause cancer, birth defects, or any other reproductive harm.

Section 16. Other Information

Revision Date 6/5/2015

Legend N.A. - Not Applicable
N.E. - Not Established
N.D. - Not Determined

HMIS (U.S.A.): Health Hazard 0

HMIS (U.S.A.): Flammability 3

HMIS (U.S.A.): Physical Hazard 0

National Fire Protection Association (U.S.A): Health Hazard 0

National Fire Protection Association (U.S.A): Flammability 3

National Fire Protection Association (U.S.A): Instability Hazard 0

National Fire Protection Association (U.S.A): Special Hazard

Additional Information The information contained herein is furnished without warranty or legal responsibility of any kind. Employers should use this information only as a supplement to other information gathered by them and must make independent determination of suitability and completeness of information from all sources to assure proper use of these materials and the safety and health of employees