



Safety Data Sheet

Spectrum Hand Sanitizer Foam

Section 1. Identification

Product Identifier
Synonyms

Spectrum Hand Sanitizer Foam
HHCA70F1000; HHCA70F18; HH70F1000; HH70F18; HH70F75;
MSD_SDS0283

Manufacturer Stock Numbers

HHCA70F1000; HHCA70F18; HH70F1000; HH70F18; HH70F75

Recommended use
Uses advised against

Hand sanitizer
Use only as directed.

Manufacturer Contact Address

Medline
3 Lakes Drive
Northfield, IL, 60093
USA

Phone
(800) 633-5463

Emergency Phone
(800) 424-9300
CHEMTREC

Fax
(847) 643-4436

Website
www.Medline.com

Section 2. Hazards Identification

Classification
Signal Word
Pictogram

FLAMMABLE LIQUIDS - Category 2
Danger



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 CO2, dry chemical, or foam for extinction.
Prevention	Ground/bond container and receiving equipment. Keep away from heat/hot surfaces, sparks/open flames and other ignition sources. 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/protective clothing/eye protection/face protection.
Storage	Store in a well-ventilated place. Keep cool.
Disposal	Dispose of contents/container to an approved waste disposal plant.
Ingredients of unknown toxicity	0%
Hazards not Otherwise Classified	
Hazards not otherwise classified:	Not applicable.
Unknown toxicity:	0% of the mixture consists of ingredient(s) of unknown toxicity.
Other information:	Toxic to aquatic life. Prolonged or repeated contact may dry skin and cause irritation. May cause slight eye irritation.
Interactions with other chemicals:	None known.

Section 3. Ingredients

CAS	Ingredient Name	Weight %
64-17-5	Ethyl alcohol	50% - 100%
68937-54-2	Siloxanes and Silicones, di-Me, 3-hydroxypropyl Me, ethoxylated	0 - 10%
	Proprietary Meadowfoamamidopropyl Betaine	0 - 10%
110-27-0	Tetradecanoic acid, 1-methylethyl ester	0 - 10%
56-81-5	Glycerin	0 - 10%
7695-91-2	2H-1-Benzopyran-6-ol, 3,4-dihydro-2,5,7,8-tetramethyl-2-(4,8,12-trimethyltridecyl)	0 - 10%
91744-32-0	Glyceryl Caprylate/Caprate	0 - 10%
7732-18-5	Water	10% - 50%

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

Section 4. First-Aid Measures

Eye Contact:	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Keep eye wide open while rinsing. Do not rub affected area. Remove contact lenses, if present and easy to do. Continue rinsing.
Skin contact:	Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes.
Inhalation:	Remove to fresh air. If breathing is difficult, (trained personnel should) give oxygen. If not breathing, give artificial respiration.
Ingestion:	Rinse mouth immediately and drink plenty of water. Never give anything by mouth to an unconscious person.
Self-protection of the first aider:	Ensure that medical personnel are aware of the material(s) involved, take precautions to protect themselves and prevent spread of contamination.
Most important symptoms and effects, both acute and delayed:	Most Important Symptoms and Effects: No information available.
Indication of any immediate medical attention and special treatment needed:	Notes to physician: Treat symptomatically.

Section 5. Fire Fighting Measures

Suitable Extinguishing Media	Water spray, fog or alcohol-resistant foam. Use water spray or fog: do not use straight streams.
Unsuitable Extinguishing Media	CAUTION: All these products have a very low flash point. Use of water spray when fighting fire may be inefficient.
Specific hazards arising from the chemical:	Vapors can form explosive mixtures with air. Vapors may travel to source of ignition and flash back. Most vapors are heavier than air. They will spread along ground and collect in low or confined areas (sewers, basements, tanks). Vapor explosion hazard indoors, outdoors or in sewers. Runoff to sewer may create fire or explosion hazard.
Uniform Fire Code:	Flammable Liquid: I-B
Hazardous combustion products:	Carbon oxides.
Explosion data:	Sensitivity to Mechanical Impact: No Sensitivity to Static Discharge: Yes
Protective Equipment and Precautions for Firefighters:	Move containers from fire area if you can do it without risk.

Section 6. Accidental Release Measures

Personal Precautions, Protective Equipment and Emergency Procedures:

Personal Precautions:

ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). All equipment used when handling the product must be grounded. Do not touch or walk through spilled material. Stop leak if you can do it without risk.

Other Information:

Water spray may reduce vapor; but may not prevent ignition in closed spaces.

Environmental Precautions:

Environmental Precautions:

Prevent entry into waterways, sewers, basements or confined areas.

Methods and Materials for Containment and Cleaning up:

Methods for Containment:

A vapor suppressing foam may be used to reduce vapors. Absorb or cover with dry earth, sand or other non-combustible material and transfer to containers.

Methods for Clean-up:

Use clean non-sparking tools to collect absorbed material. Dike far ahead of liquid spill for later disposal. Soak up with inert absorbent material. Pick up and transfer to properly labeled containers.

Section 7. Handling and Storage

Precautions for safe handling:

Handling:

Handle in accordance with good industrial hygiene and safety practice. Use personal protection equipment. Avoid contact with skin and eyes. Avoid breathing vapors or mists. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Use grounding and bonding connection when transferring this material to prevent static discharge, fire or explosion. Use with local exhaust ventilation. Use spark-proof tools and explosion-proof equipment. Keep in an area equipped with sprinklers. Use according to package label instructions.

Conditions for safe storage, including any incompatibilities:

Storage:

Keep containers tightly closed in a dry, cool and well-ventilated place. Store locked up. Keep away from heat, sparks, flame and other sources of ignition (i.e., pilot lights, electric motors and static electricity). Keep in properly labeled containers. Do not store near combustible materials. Keep in an area equipped with sprinklers. Store in accordance with the particular national regulations. Store in accordance with local regulations.

Incompatible Products:

None known based on information supplied.

Section 8. Exposure Controls/Personal Protection

Occupational Exposure Limits	Ingredient Name	ACGIH TLV	OSHA PEL	STEL
	Ethyl alcohol	STEL: 1,000 ppm Note: Upper respiratory track irritation. Confirmed animal carcinogen with unknown relevance to humans.	TWA: 1,000 ppm 1,900mg/mm3 29 CFR 1910.1000 Table Z-1 Limits	N/A
	Siloxanes and Silicones, di-Me, 3-hydroxypropyl Me, ethoxylated	N/A	N/A	N/A
	Meadowfoamamidopropyl Betaine	N/A	N/A	N/A
	Tetradecanoic acid, 1-methylethyl ester	N/A	N/A	N/A
	Glycerin	TWA: 10 mg/m3 (mist)	TWA: 15 mg/m3 mist, total particulate TWA: 5 mg/m3 mist, respirable fraction (vacated) TWA: 10 mg/m3 mist, total particulate (vacated) TWA: 5 mg/m3 mist, respirable fraction	N/A
	2H-1-Benzopyran-6-ol, 3,4-dihydro-2,5,7,8-tetramethyl-2-(4,8,12-trimethyltridecy	N/A	N/A	N/A
	Glyceryl Caprylate/Caprate	N/A	N/A	N/A
	Water	N/A	N/A	N/A

Personal Protective Equipment

Control parameters:

Goggles, Gloves, Apron

Exposure Guidelines:

There is no exposure data pertaining to the product. This section reflects exposure data pertaining to individual ingredients.

ACGIH TLV: American Conference of Governmental Industrial Hygienists - Threshold Limit Value. OSHA PEL: Occupational Safety and Health Administration - Permissible Exposure Limits. NIOSH IDLH: Immediately Dangerous to Life or Health.

Other Exposure Guidelines:

Appropriate Engineering Controls:

Vacated limits revoked by the Court of Appeals decision in AFL-CIO v. OSHA, 965 F.2d 962 (11th Cir., 1992)

Engineering Measures:

Showers; Eyewash stations; Ventilation systems

Individual protection measures, such as personal protective equipment:

Eye/Face Protection: Tight sealing safety goggles.

Skin and Body Protection: Wear protective gloves and protective clothing. Long sleeved clothing. Chemical resistant apron. Impervious gloves. Antistatic boots.

Respiratory Protection: No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.

Hygiene Measures: Handle in accordance with good industrial hygiene and safety practice. Do not eat, drink or smoke when using this product. Contaminated work clothing should not be allowed out of the workplace. Regular cleaning of equipment, work area and clothing is recommended. Wash hands before breaks and immediately after handling the product.

Section 9. Physical and Chemical Properties

Physical State	Water-thin liquid
Color	Clear to slightly hazy, colorless, water-thin liquid
Odor	Alcohol
Odor Threshold	No information available
Solubility	Miscible in water
Partition coefficient Water/n-octanol	No data available
VOC%	N/A
Viscosity	No data available
Specific Gravity	0.879
Density lbs/Gal	N/A
Pounds per Cubic Foot	N/A
Flash Point	22°C/72°F
FP Method	No data available
pH	N.D.
Melting Point	No data available
Boiling Point	No data available
Boiling Range	No data available
LEL	N/A
UEL	N/A

Evaporation Rate	No data available
Flammability	No data available
Decomposition Temperature	No data available
Auto-ignition Temperature	No data available
Vapor Pressure	No data available
Vapor Density	No data available

Section 10. Stability and Reactivity

	When used in accordance with the directions.
Reactivity:	No data available.
Chemical stability:	Stable under recommended storage conditions.
Possibility of hazardous reactions:	None under normal processing.
Hazardous polymerization:	Hazardous polymerization does not occur.
Conditions to avoid:	Heat. Open flame. Sparks.
Incompatibility (Materials to Avoid)	None known based on information supplied.
Hazardous Decomposition or Byproducts:	Carbon oxides.

Section 11. Toxicological Information

	There is no data for this product. The information included in this section describes the potential hazards of the individual ingredients.
Information on likely routes of exposure:	Product information: Eye contact: Specific test data for the substance or mixture is not available. Skin contact: Specific test data for the substance or mixture is not available. Inhalation: Specific test data for the substance or mixture is not available. Ingestion: Specific test data for the substance or mixture is not available.
Component Information:	Chemical name: Ethyl Alcohol 70% v/v CAS-No. 64-17-5 Oral LD50

= 7060 mg/kg (Rat)
Dermal LD50
-
Inhalation LC50
= 124.7 mg/L (Rat) 4 h

Water CAS-No. 7732-18-5
Oral LD50
> 90 mL/kg (Rat)
Dermal LD50
-
Inhalation LC50
-

Glycerin CAS-No. 56-81-5
Oral LD50
= 12600 mg/kg (Rat)
Dermal LD50
> 10 g/kg (Rabbit)
Inhalation LC50
> 570 mg/m³ (Rat) 1 h

Isopropyl Myristate CAS-No. 110-27-0
Oral LD50
> 10000 mg/kg (Rat)
Dermal LD50
= 5 g/kg (Rabbit)
Inhalation LC50
> 41 mg/L (Rat) 1 h

Symptoms: No information available.

Information on
Toxicological Effects:

Delayed-immediate effects,
also chronic effects from
short & long term
exposure:

Sensitization:

No information available.

Mutagenic Effects:

No information available. Carcinogenicity:

The information below indicates whether each agency has listed any ingredient as a carcinogen. Ethanol has been shown to be carcinogenic in long-term studies ONLY when consumed as alcoholic beverage.

Chemical Name:

Ethyl Alcohol 70% v/v CAS-No. 64-17-5

ACGIH: A3

IARC: Group 1

NTP: Known

OSHA: X

ACGIH (American Conference of Governmental Industrial Hygienists)

A3 - Animal Carcinogen

IARC (International Agency for Research on Cancer)

Group 1 - Carcinogenic to Humans

NTP (National Toxicology Program)

Known - Known Carcinogen

OSHA (Occupational Safety and Health Administration of the US Department of Labor)

	X - Present
Reproductive Toxicity:	No information available.
Specific Target Organ Toxicity - Single Exposure:	No information available.
Specific Target Organ Toxicity - Repeated Exposure:	No information available.
Chronic Toxicity:	None known based on info supplied. Carcinogenic potential is unknown.
Target Organ Effects:	Blood. Central Nervous System (CNS). Eyes. Kidney. Liver. Reproductive System. Respiratory system. Skin.
Aspiration Hazard:	No information available.
Numerical Measures of Toxicity Product Information:	The following values are calculated based on chapter 3.1 of the GHS document. ATEmix (oral) 11,048.00 mg/kg ATEmix (inhalation-dust/mist) 196.90 mg/l

Section 12. Ecological Information

	There is no ecological data on the Product. The Product ingredients are expected to be safe for the environment at concentrations predicted under normal use and accidental spill scenarios. Packaging components are compatible with the conventional solid waste management practices.
Ecotoxicity:	Toxic to aquatic organisms.
Persistence/degradability:	No information available.
Bioaccumulation:	No information available.
Other adverse effects:	No information available.

Section 13. Disposal

Waste Treatment Methods:	Disposal Methods: This material, as supplied, is a hazardous waste according to federal regulations (40 CFR 261). Contaminated Packaging: Dispose of contents/containers in according with local regulations.
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Section 14. Transport Information

UN Number	1170
UN Proper Shipping Name	ETHANOL SOLUTION
DOT Classification	3
Packing Group	II
IATA - UN Number:	1170
IATA - Proper Shipping Name:	ETHANOL SOLUTION
IATA - Hazard Class:	3

IATA - Packing Group:	II
IMDG - UN Number:	1170
IMDG - Proper Shipping Name:	ETHANOL SOLUTION
IMDG - Hazard Class:	3
IMDG - Packing Group:	II

Section 15. Regulatory Information

SARA 311/312:	Refer to Section 2 of the SDS.
SARA 302:	N.A.
SARA 304:	N.A.
SARA 313:	N.A.
TSCA:	All components are listed or exempt.
CERCLA Hazardous Substance List:	N.A.
Clean Air Act (CAA) Section 112, 112 (r):	N.A.
New Jersey Right to Know Components:	GLYCERIN. ETHYL ALCOHOL.
Massachusetts Right to Know Components:	ETHANOL.
Pennsylvania Right to Know Components:	1,2,3-PROPANETRIOL. ETHANOL.
Rhode Island Right to Know Components:	glycerol. ethyl alcohol.

Section 16. Other Information

Revision Date	10/14/2021
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Legend	N.A. - Not Applicable N.E. - Not Established N.D. - Not Determined
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HMIS (U.S.A.): Health	1
HMIS (U.S.A.): Flammability	3
HMIS (U.S.A.): Reactivity	0
HMIS (U.S.A.): Personal Protection	X
National Fire Protection Association (U.S.A): Health Hazard	1
National Fire Protection Association (U.S.A): Flammability	3
National Fire Protection Association (U.S.A): Reactivity	0

National Fire Protection
Association (U.S.A):
Physical and Chemical
Hazards

N.A.

Additional Information:

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