



Safety Data Sheet

Epi-Clenz Instant Hand Sanitizer

Section 1. Identification

Product Identifier	Epi-Clenz Instant Hand Sanitizer		
Synonyms	MSC097030F; MSD_SDS0462		
Manufacturer Stock Numbers	MSC097030F		
Recommended use	Antiseptic; hand sanitizer to help reduce bacteria on the skin that could cause disease		
Uses advised against	N/A		
Manufacturer Contact Address	Medline 3 Lakes Drive Northfield, IL, 60093 USA		
	Phone	Emergency Phone	Fax
	(800) 633-5463	(800) 424-9300 CHEMTREC	(847) 643-4436
	Website		
	www.Medline.com		

Section 2. Hazards Identification

Classification	FLAMMABLE LIQUIDS - Category 3 HAZARDOUS TO THE AQUATIC ENVIRONMENT - ACUTE HAZARD - Category 2
Signal Word	Warning

Pictogram



Hazard Statements

Flammable liquid and vapor
Toxic to aquatic life

Precautionary Statements

Response

If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
In case of fire: Use extinguishing media listed in section 5 of SDS for extinction.

Prevention

Avoid release to the environment.
Ground/bond container and receiving equipment.
Keep away from heat, 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/eye protection/face protection

Storage

Store in a well-ventilated place. Keep cool.

Disposal

Dispose of contents or container in accordance with local and national regulations.

Ingredients of unknown toxicity 0%

Hazards not Otherwise Classified

No Data Available

Section 3. Ingredients

CAS	Ingredient Name	Weight %
64-17-5	Ethanol	50% - 75%
67-63-0	Isopropyl alcohol	1% - 5%

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

Section 4. First-Aid Measures

General: In all cases of doubt, or when symptoms persist, seek medical attention.
Never give anything by mouth to an unconscious person.

Inhalation: If breathing is difficult move to fresh air.

Eye contact: Flush with water.

Skin contact:	Flush with water.
Ingestion:	Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If potentially dangerous quantities of this material have been swallowed, call a physician immediately.
Most important symptoms and effects, both acute and delayed:	<p>Overview: Health Hazards (Acute and Chronic): Used as a hand sanitizer. Vapor irritates eyes. High concentration of vapor can irritate respiratory tract, are anesthetic and may cause CNS depression.</p> <p>Signs and Symptoms of Exposure: Confusion, headache, dizziness, and nausea.</p> <p>Medical Conditions Generally Aggravated by Exposure: Pre existing eye and respiratory disorders may be aggravated by exposure.</p> <p>Treat symptomatically. Exposure to solvent vapor concentrations from the component solvents in excess of the stated occupational exposure limits may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effects on the kidneys, liver and central nervous system. Symptoms include headache, nausea, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness.</p> <p>Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in dryness, irritation and possible non-allergic contact dermatitis. Solvents may also be absorbed through the skin. Splashes of liquid in the eyes may cause irritation and soreness with possible reversible damage. Check section 2.2 (GHS Label Elements) for further details.</p>

Section 5. Fire Fighting Measures

Suitable Extinguishing Media	CO2, Dry Chemical, Foam, Sand.
Unsuitable Extinguishing Media	N/A
Special hazards arising from the substance or mixture:	<p>Hazardous decomposition: High temperatures and fires may produce such toxic substances as carbon monoxide and carbon dioxide.</p> <p>Keep away from heat, sparks, open flames, and other ignition sources - No smoking.</p> <p>Keep container tightly closed.</p> <p>Ground, bond container and receiving equipment.</p> <p>Use explosion-proof electrical, ventilating, light, equipment.</p> <p>Use only non-sparking tools.</p> <p>Take precautionary measures against static discharge.</p>
Advice for fire-fighters:	<p>Large quantities of gel hand sanitizer are flammable and vapors form explosive mixtures with air. Dangerous when exposed to heat, sparks, flame or oxidants.</p> <p>Handle as a flammable liquid. Dilution of burning liquid with water will effect extinguishment</p>
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Section 6. Accidental Release Measures

Personal Precautions, Protective Equipment and Emergency Procedures:	Put on appropriate personal protective equipment (see section 8).
Environmental precautions:	Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse. Collect in flammable waste container for disposal.
Methods and material for containment and cleaning up:	Eliminate all sources of ignition, small spills should be flushed with large quantities of water, larger spills should be collected for disposal.

Section 7. Handling and Storage

Precautions for safe handling:	Handle containers carefully to prevent damage and spillage. Keep away from heat, sparks, and open flames. Store at normal room temperature away from reach of small children. Keep container closed. Avoid freezing conditions. Check section 2 for further details.
Conditions for safe storage, including any incompatibilities:	Incompatible materials: Incompatible with strong oxidizing agents Check section 2 for further details.
Specific End use(s):	No data available.

Section 8. Exposure Controls/Personal Protection

Occupational Exposure Limits	Ingredient Name	ACGIH TLV	OSHA PEL	STEL
	Ethanol	STEL: 1,000 ppm Note: Upper respiratory track irritation. Confirmed animal carcinogen with unknown relevance to humans.	TWA: 1,000 ppm 1,900mg/mm ³ 29 CFR 1910.1000 Table Z-1 Limits	N/A
	Isopropyl alcohol	TWA: 200 ppm STEL: 400 ppm	TWA: 400 ppm STEL: 500 ppm	N/A
Personal Protective Equipment	Goggles			
Respiratory Protection:	If workers are exposed to concentrations above the exposure limit they must use the appropriate, certified respirators.			
Eye Protection:	Safety goggles.			
Skin Protection:	Wear overalls to keep skin contact to a minimum. Use neoprene or rubber gloves or PVC.			

Engineering Controls: Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates and any vapor below occupational exposure limits suitable respiratory protection must be worn.

Other Work Practices: Eye bath and safety showers required Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse.

Section 9. Physical and Chemical Properties

Physical State	N.D.
Color	Clear, colorless gel
Odor	Characteristic
Odor Threshold	N.D.
Solubility	Complete
Partition coefficient Water/n-octanol	N.D.
VOC%	N/A
Viscosity	N.D.
Specific Gravity	N/A
Density lbs/Gal	0.864
Pounds per Cubic Foot	N/A
Flash Point	86°F/30°C
FP Method	N.A.
pH	7.8-8.6
Melting Point	N.D.
Boiling Point	82°C
Boiling Range	N.A.
LEL	N/A
UEL	N/A
Evaporation Rate	N.A.
Flammability	N.A.
Decomposition Temperature	N.D.
Auto-ignition Temperature	N.D.
Vapor Pressure	N.A.
Vapor Density	N.A.

Section 10. Stability and Reactivity

Reactivity: Hazardous Polymerization will not occur.

Chemical stability: Stable under normal conditions.

Possibility of hazardous reactions: No data available.

Conditions to avoid: High temperatures and fires.

Incompatible materials: Incompatible with strong oxidizing agents.

Hazardous decomposition products: High temperatures and fires may produce such toxic substances as carbon monoxide and carbon dioxide.

Section 11. Toxicological Information

Acute toxicity: Exposure to solvent vapor concentrations from the component solvents in excess of the stated occupational exposure limits may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effects on the kidneys, liver and central nervous system. Symptoms include headache, nausea, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness.

Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in dryness, irritation and possible non allergic contact dermatitis. Solvents may also be absorbed through the skin. Splashes of liquid in the eyes may cause irritation and soreness with possible reversible damage.

Note: When no route specific LD50 data is available for an acute toxin, the converted acute toxicity point estimate was used in the calculation of the product's ATE (Acute Toxicity Estimate).

Component: Ethanol CAS-No. 64-17-5
Oral LD50: 10,470.00 mg/kg, Rat
Skin LD50: 17,100.00 mg/kg, Rabbit
Inhalation Vapor LC50: 124.70 mg/L/4hr, Rat

Component: Isopropyl Alcohol CAS-No. 67-63-0
Oral LD50: 5,840.00 mg/kg, Rat
Skin LD50: 12,800.00 mg/kg, Rabbit
Inhalation Vapor LC50: 72.60 mg/L/4hr, Rat

Acute Toxicity: Oral	N.A.
Acute Toxicity: Dermal	N.A.
Acute Toxicity: Inhalation	N.A.
Skin corrosion/irritation:	N.A.
Serious eye damage/Eye irritation:	N.A.
Respiratory Sensitization:	N.A.
Skin Sensitization:	N.A.
Germ cell mutagenicity:	N.A.
Carcinogenicity:	N.A.
Reproductive Toxicity:	N.A.
Specific Target Organ Toxicity - Single exposure:	N.A.
Specific Target Organ Toxicity - Repeated exposure:	N.A.
Aspiration hazard:	N.A.

Section 12. Ecological Information

Toxicity:	Toxic to aquatic life.
Aquatic ecotoxicity:	Component: Ethanol CAS-No. 64-17-5 96 hr LC50 fish: 15,400.00 mg/l, <i>Lepomis macrochirus</i> 48 hr EC50 crustacea: > 10,000 mg/l, <i>Daphnia magna</i> ErC50 algae: 17.921 mg/l (96 hr), <i>Ulva pertusa</i> Component: Isopropyl Alcohol CAS-No. 67-63-0 96 hr LC50 fish: 10,000.00 mg/l, <i>Pimephales promelas</i>
Persistence and degradability:	There is no data available on the preparation itself.
Bioaccumulative potential:	Not measured.
Mobility in soil:	No data available.
Results of PBT and vPvB Assessment:	This product contains no PBT/vPvB chemicals.
Other adverse effects:	No data available.

Section 13. Disposal

Waste Treatment Methods: Destroy by liquid incineration. Use absorbent material and deposit in toxic landfill in accordance with Local, State, and Federal Regulations.

Section 14. Transport Information

UN Number	1170
UN Proper Shipping Name	Ethanol solutions
DOT Classification	3
Packing Group	III
IATA - UN Number:	1170
IATA - UN Proper Shipping Name:	Ethanol Solutions
IATA - Hazard Class:	3
IATA - Packing Group:	III
IMDG - UN Number:	1170
IMDG - UN Proper Shipping Name	Ethanol Solutions
IMDG - Hazard Class:	3
IMDG - Packing Group:	III

Section 15. Regulatory Information

SARA 311/312:	Refer to Section 2 of the SDS.
SARA 302:	N.A.
SARA 304:	N.A.
SARA 313:	Isopropyl alcohol.
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:	ETHYL ALCOHOL. ISOPROPYL ALCOHOL.
Pennsylvania Right to Know Components:	ETHANOL. 2-PROPANOL.
Rhode Island Right to Know Components:	ethyl alcohol. isopropyl alcohol.
Massachusetts Right to Know Components:	ETHANOL.

Section 16. Other Information

Revision Date	6/30/2022
Legend	N.A. - Not Applicable N.E. - Not Established N.D. - Not Determined
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.