



Safety Data Sheet

EPI-CLENZ INSTANT HAND SANITIZERS

Section 1. Identification

Product Identifier	EPI-CLENZ INSTANT HAND SANITIZERS		
Synonyms	MSC097030; MSC097031; MSC097032; MSC097033; MSC097037; MSC097038; MSD_SDS0083		
Manufacturer Stock Numbers	MSC097030; MSC097031; MSC097032; MSC097033; MSC097037; MSC097038		
Recommended use	Skin care.		
Uses advised against	N/A		
Manufacturer Contact Address	Medline Industries, Inc. One Medline Place Mundelein, IL, 60060 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
Signal Word	Warning
Pictogram	A red diamond-shaped pictogram with a black flame symbol in the center, representing a flammable hazard.
Hazard Statements	Flammable liquid and vapor
Precautionary Statements	
Response	If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.

Prevention In case of fire: Use extinguishing media listed in section 5 of SDS for extinction.
 Ground/bond container and receiving equipment.
 Keep away from heat.
 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.

Ingredients of unknown toxicity 0%

Hazards not Otherwise Classified

No Data Available

Section 3. Ingredients

CAS	Ingredient Name	Weight %
67-63-0	Isopropyl alcohol	0.5% - 2%
64-17-5	Ethyl alcohol	50% - 75%

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.
Eye Contact:	Flush eyes with large amounts of water for at least 15 minutes while holding eyelids open. Tilt head to avoid contaminating unaffected eye. Get immediate medical attention.
Skin Contact:	If irritation develops wash area with water. Get medical attention if irritation persists.
Inhalation:	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Seek medical attention if discomfort continues or if you feel unwell.
Ingestion:	If swallowed, call a physician immediately. Rinse mouth and throat thoroughly with water. Do not induce vomiting unless directed to do so by a physician. Never give anything by mouth to an unconscious person. If vomiting occurs spontaneously, keep head below hips to prevent aspiration of liquid into lungs.
Most important symptoms and effects, both acute and delayed:	<p>Overview:</p> <p>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. See section 2 for further details.</p>

Section 5. Fire Fighting Measures

Suitable Extinguishing Media	In case of fire, use Dry Chemical, Foam, Carbon Dioxide (CO ₂), Water fog
Unsuitable Extinguishing Media	N.D.
Specific hazards arising from the chemical:	<p>Hazardous decomposition:</p> <p>Burning may produce carbon monoxide, carbon dioxide and other hazardous components.</p> <p>Keep away from heat/sparks/open flames/hot surfaces-No smoking.</p> <p>Keep cool.</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 firefighters:	<p>Handle as flammable liquid. Dilution of burning liquid with water will effect extinguishment.</p> <p>Large quantities of gel hand sanitizer are flammable and vapors from explosive mixtures with air. Dangerous when exposed to heat, sparks, flame or oxidants.</p>

Section 6. Accidental Release Measures

Personal precautions, protective equipment and emergency procedures:	Use personal protection equipment recommended in Section 8.
Environmental Precautions:	Characteristic hazardous waste-flammable liquid. Dispose according to Local, State, and Federal Regulations. 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.
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.
Flammable Small Spill:	Absorb with an inert dry material and place in an appropriate waste disposal container.

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).
Specific End use(s):	No data available.

Section 8. Exposure Controls/Personal Protection

Occupational Exposure Limits	Ingredient Name	ACGIH TLV	OSHA PEL	STEL
	Isopropyl alcohol	TWA: 200 ppm STEL: 400 ppm	TWA: 400 ppm STEL: 500 ppm	N/A
	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			
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.			
Respiratory Protection:	If workers are exposed to concentrations above the exposure limit they must use the appropriate, certified respirators. Air supplied masks or respirator in confined areas			
Skin Protection:	Protective gloves: Rubber Protective gloves: Vinyl.			
Eye Protection:	Wear chemical safety glasses with side shields or goggles.			
Other protective equipment:	Not expected to be necessary under normal conditions of use. Where exposure cannot be adequately controlled, use appropriate protective clothing or equipment			
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	N.D.
Color	Clear, colorless gel
Odor	Fruity/ Floral fragrance
Odor Threshold	Not measured
Solubility	Soluble
Partition coefficient Water/n-octanol	Not measured
VOC%	N/A
Viscosity	Not measured
Specific Gravity	0.902
Density lbs/Gal	N/A
Pounds per Cubic Foot	N/A
Flash Point	78°F
FP Method	Closed cup
Ph	5.6-6.4
Melting Point	Not measured
Boiling Point	173°F
Boiling Range	Not measured
LEL	3.3
UEL	19
Evaporation Rate	Not measured
Flammability	Not applicable
Decomposition Temperature	Not measured
Auto-ignition Temperature	Not measured
Vapor Pressure	Not measured
Vapor Density	Not measured

Section 10. Stability and Reactivity

Reactivity:	Hazardous Polymerization will not occur.
Chemical Stability:	Stable under normal conditions.
Possibility of Hazardous Reactions:	N.D.
Conditions to avoid:	Keep away from heat. Sparks. Open flame.
Incompatibility (Materials to Avoid):	Strong oxidizing agents.
Hazardous Decomposition or Byproducts:	Burning may produce Carbon Monoxide, Carbon Dioxide and other hazardous components.

Section 11. Toxicological Information

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 may 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.

Acute Toxicity:

Component:
Ethanol CAS-No. 64-17-5

Oral LD50
Rat 7,060.00 mg/kg
Category: N.A.

Dermal LD50
Rabbit 20,000.00 mg/kg
Category: N.A.

Inhalation Vapor LC50 mg/L/4hr
Rat 124.70
Category: N.A.

Inhalation Dust/Mist LC50 mg/L/4hr
No data available.

Inhalation Gas LC50, ppm
No data available.
Component:
Isopropyl Alcohol CAS-No. 67-63-0

Oral LD50
Rat 4,710.00 mg/kg
Category 5

Dermal LD50
Rat 12,800.00 mg/kg
Category: N.A.

Inhalation Vapor LC50 mg/L/4hr
Rat 72.60 Rat
Category: N.A.

Inhalation Dust/Mist LC50 mg/L/4hr
No data available.

Inhalation Gas LC50, ppm
No data available.

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).

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

Aquatic toxicity: Ingredient:
Ethanol CAS-No. 64-17-5

96 hr LC50 fish, mg/l
42.00
Oncorhynchus mykiss

48 hr EC50 crustacea, mg/l
2.00
Daphnia magna

ErC50 algae, mg/l
17.921 (96 hr)
Ulva pertusa
Ingredient:
Isopropyl Alcohol CAS-No. 67-63-0

96 hr LC50 fish, mg/l
1,400.00
Lepomis macrochirus

48 hr EC50 crustacea, mg/l
100.00
Daphnia magna

ErC50 algae, mg/l
100.00 (72 hr), Scenedesmus subspicatus
Persistence and degradability: No information available.
Bioaccumulative potential: Not measured.
Mobility in soil: No information available.
Results of PBT and vPvB Assessment: This product contains no PBT/vPvB chemicals.
Other adverse effects: No information 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	N/A
UN Proper Shipping Name	CONSUMER COMMODITY
DOT Classification	ORM-D
Packing Group	None
IATA - ID Number:	ID8000
IATA - Proper Shipping Name:	CONSUMER COMMODITY
IATA - Hazard Class:	9
IATA - Packing Group:	N/A
IMDG - UN Number	UN1170
IMDG - Proper Shipping Name	ETHANOL SOLUTION
IMDG - Hazard Class:	3
IMDG - Packing Group	III, LTD QTY

Section 15. Regulatory Information

SARA 311/312:	N.A.
SARA 302:	N.A.
SARA 313:	Isopropyl alcohol.
TSCA:	N.A.
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
Massachusetts Right to Know Components:	Ethanol.
Pennsylvania Right to Know Components:	Ethanol. 2-PROPANOL.
Rhode Island Right to Know Components:	ethyl alcohol. isopropyl alcohol.

Section 16. Other Information

Revision Date 04/06/2016

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

HMIS (U.S.A.): Health Hazard 1

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

HMIS (U.S.A.): Reactivity 1

National Fire Protection 1

Association (U.S.A): Health Hazard

National Fire Protection 3

Association (U.S.A):
Flammability

National Fire Protection 1

Association (U.S.A):
Instability 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