



Safety Data Sheet

Antiseptic Hand Rub 80%

Section 1. Identification

Product Identifier	Antiseptic Hand Rub 80%		
Synonyms	HHRUB04; HHRUB08; MSD_SDS0450		
Manufacturer Stock Numbers	HHRUB04; HHRUB08		
Recommended use	N/A		
Uses advised against	N/A		
Manufacturer Contact			
Address	Medline Industries, Inc. 3 Lakes Drive Northfield, IL, 60093 USA		
	Phone	Emergency Phone	Fax
	(800) 633-5460	(800) 424-9300 CHEMTREC	(847) 643-4436
	Website		
	www.Medline.com		

Section 2. Hazards Identification

Classification	FLAMMABLE LIQUIDS - Category 3 SERIOUS EYE DAMAGE /EYE IRRITATION - Category 2A
Signal Word	Warning
Pictogram	



Hazard Statements	Causes serious eye irritation Flammable liquid and vapor
Precautionary Statements	
Response	If eye irritation persists: Get medical advice/attention. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. In case of fire: Use dry sand, dry chemical or alcohol-resistant foam for extinction.
Prevention	Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Keep container tightly closed.
Storage	Store in a well-ventilated place. Keep cool.
Disposal	Dispose of contents/container in accordance with applicable local/regional /national/international regulations.

Ingredients of unknown toxicity 0%

Hazards not Otherwise Classified
N.A.

Section 3. Ingredients

CAS	Ingredient Name	Weight %
64-17-5	Ethanol	60% - 95%

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

Section 4. First-Aid Measures

Eye Contact:	Flush eyes with water.
Skin Contact:	No specific first aid measures are required. As a precaution, remove clothing and shoes if contaminated. To remove the material from skin, use soap and water.
Ingestion:	Rinse mouth. If swallowed, get medical attention if symptoms occur. Do not induce vomiting. Never give anything by mouth to an unconscious person.
Inhalation:	No specific first aid measures are required. If exposed to excessive levels of material in the air, move the exposed person to fresh air. Get medical attention if coughing or respiratory discomfort occurs.

Section 5. Fire Fighting Measures

Suitable Extinguishing Media	Dry Chemical, CO ₂ , Aqueous Film Forming Foam (AFFF) or alcohol resistant foam.
Unsuitable Extinguishing Media	High volume water jet.
Fire Fighting Instructions:	This material is flammable and easily ignited. See Section 7 for proper handling and storage. Flash back possible over considerable distance. Beware of vapors accumulating to form explosive concentrations. Vapors can accumulate in low areas. Use water spray to cool unopened containers.
Combustion Products:	Carbon oxides.

Section 6. Accidental Release Measures

Protective Measures:	Eliminate all sources of ignition in vicinity of spilled material.
Spill Management:	Stop the source of the release if you can do it without risk. Contain release to prevent further contamination of soil, surface water or groundwater. Clean up spill as soon as possible, observing precautions in Exposure Controls/Personal Protection. Use appropriate techniques such as applying non-combustible absorbent materials or pumping. Where feasible and appropriate, remove contaminated soil. Place contaminated materials in disposable containers and dispose of in a manner consistent with applicable regulations.
Reporting:	Report spills to local authorities and/or the U.S. Coast Guard's National Response Center at (800) 424- 8802 as appropriate or required.

Section 7. Handling and Storage

General Handling Information:	Take necessary action to avoid static electricity discharge (which might cause ignition of organic vapors). Keep away from fire, sparks and heated surfaces.
Precautionary Measures:	Do not get in eyes. Do not taste or swallow. Do not breathe vapor or fumes. Wash thoroughly after handling. Keep out of the reach of children.
Conditions for safe storage:	Keep away from heat and sources of ignition. Keep in a cool, well-ventilated place. Keep away from oxidizing agents. Keep out of reach of children. Keep container tightly closed. Store in suitable labeled containers.
Container Warnings:	Container is not designed to contain pressure. Do not use pressure to empty container or it may rupture with explosive force. Empty containers retain product residue (solid, liquid, and/or vapor) and can be dangerous. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose such containers to heat, flame, sparks, static electricity, or other sources of ignition. They may explode and cause injury or death. Empty containers should be completely drained, properly closed, and disposed of properly.

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
Personal Protective Equipment	N/A			
General Considerations:	Consider the potential hazards of this material (see Section 2), applicable exposure limits, job activities, and other substances in the workplace when designing engineering controls and selecting personal protective equipment. If engineering controls or work practices are not adequate to prevent exposure to harmful levels of this material, the personal protective equipment listed below is recommended. The user should read and understand all instructions and limitations supplied with the equipment since protection is usually provided for a limited time or under certain circumstances.			
Engineering Controls:	Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below the recommended exposure limits. Use in a well-ventilated area.			
Eye/Face Protection:	No special eye protection is normally required. Where splashing is possible, wear safety glasses with side shields as a good safety practice.			
Skin Protection:	No special protective clothing is normally required. Where splashing is possible, select protective clothing depending on operations conducted, physical requirements and other substances in the workplace. Suggested materials for protective gloves include: Natural rubber, Neoprene, Nitrile Rubber, Polyvinyl Chloride (PVC or Vinyl).			
Respiratory Protection:	Determine if airborne concentrations are below the recommended occupational exposure limits for jurisdiction of use. If airborne concentrations are above the acceptable limits, wear an approved respirator that provides adequate protection from this material, such as: Air-Purifying Respirator for Organic Vapors, Dusts and Mists. Use a positive pressure air-supplying respirator in circumstances where air-purifying respirators may not provide adequate protection.			

Section 9. Physical and Chemical Properties

Physical State	Gel
Color	Opaque, white
Odor	Alcoholic
Odor Threshold	N.D.
Solubility	Soluble in water
Partition coefficient Water/n-octanol	N.D.
VOC%	N/A
Viscosity	N.D.
Specific Gravity	0.869
Density lbs/Gal	N/A
Pounds per Cubic Foot	N/A
Flash Point	23° C
FP Method	Closed Cup
pH	6.2 - 8.6
Melting Point	N.A.
Boiling Point	N.A.
Boiling Range	N.A.
LEL	N/A
UEL	N/A
Evaporation Rate	N.D.
Flammability	N.D.
Decomposition Temperature	N.D.
Auto-ignition Temperature	N.D.
Vapor Pressure	N.D.
Vapor Density	N.D.

Section 10. Stability and Reactivity

Reactivity: May react with strong acids or strong oxidizing agents, such as chlorates, nitrates, peroxides, etc.

Chemical Stability: This material is considered stable under normal ambient and anticipated storage and handling conditions of temperature and pressure.

Incompatibility (Materials to avoid): N.A.

Hazardous Decomposition Products: Carbon oxides.

Hazardous Polymerization: Will not occur.

Section 11. Toxicological Information

Serious eye damage/eye irritation:	Causes serious eye irritation.
Skin corrosion/irritation:	Health injuries are not known or expected under normal use.
Skin sensitization:	No data available.
Acute Dermal Toxicity:	Ethanol LD50 rabbit: 15,800mg/kg
Acute Oral Toxicity:	Acute toxicity estimate >5,000 mg/kg
Acute Inhalation Toxicity:	Ethanol 4 h LC50 rat: 117 mg/l
Acute Toxicity Estimate:	Acute oral toxicity estimate >5,000 mg/kg
Germ cell Mutagenicity:	No data available.
Reproductive Toxicity:	No data available.
Carcinogenicity:	IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC. OSHA: No ingredient of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA. NTP: No ingredient of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

Section 12. Ecological Information

Ecotoxicity:	Harmful to aquatic life. The product has not been tested. The statement has been derived from products of a similar structure and composition.
Mobility in soil:	No data available.
Persistence and degradability:	No data available.
Potential to bioaccumulate:	Bioconcentration Factor: No data available. Octanol/Water Partition Coefficient: No data available

Section 13. Disposal

Use material for its intended purpose or recycle if possible. This material, if it must be discarded, may meet the criteria of a hazardous waste as defined by international, country, or local laws and regulations.

Section 14. Transport Information

UN Number 1170
UN Proper Shipping Name Ethanol solutions
DOT Classification 3
Packing Group III
IMDG - UN Number: 1170
IMDG - UN Proper Shipping Name Ethanol Solution
IMDG - Hazard Class: 3
IMDG - Packing Group: III
IATA - UN Number: 1170
IATA - UN Proper Shipping Name: Ethanol Solution
IATA - Hazard Class: 3
IATA - 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: 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: ETHYL ALCOHOL.
Pennsylvania Right to Know Components: ETHANOL.
Rhode Island Right to Know Components: ethyl alcohol.
Massachusetts Right to Know Components: ETHYL ALCOHOL.

Section 16. Other Information

Revision Date 4/23/2020

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

National Fire Protection 2
Association (U.S.A): Health
Hazard

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

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

HMIS (U.S.A.): Health 2
Hazard

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

HMIS (U.S.A.): Reactivity 0

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