



Safety Data Sheet

MICRO-KILL ONE GERMICIDAL ALCOHOL WIPES

Section 1. Identification

Product Identifier MICRO-KILL ONE GERMICIDAL ALCOHOL WIPES
Synonyms MSC351300 ; MSC351310; MSD_SDS0224
Manufacturer Stock Numbers MSC351300 ; MSC351310

Recommended use Disinfectant
Uses advised against N/A

Manufacturer Contact
Address Medline Industries, Inc.
One Medline Place
Mundelein, IL, 60060
USA

Phone
(800) 633-5463

Emergency Phone
(800) 424-9300
CHEMTREC

Fax
(847) 643-4436

Website
www.Medline.com

Section 2. Hazards Identification

Classification EYE DAMAGE/IRRITATION - Category 2B
FLAMMABLE LIQUIDS - Category 2
Signal Word Danger

Pictogram



Hazard Statements Causes eye irritation
Highly flammable liquid and vapor

Precautionary Statements
Response

If eye irritation persists: Get medical advice/attention.

Prevention	If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
	If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
	In case of fire: Use Dry chemical, CO2, water spray or regular foam to extinguish.
	Ground/bond container and receiving equipment.
	Keep away from heat.
Storage	Keep container tightly closed.
	Take precautionary measures against static discharge.
	Use explosion-proof electrical/ventilating/lighting equipment.
	Use only non-sparking tools.
	Wash affected area thoroughly after handling.
Disposal	Wear protective gloves/eye protection/face protection
	Store in a well-ventilated place. Keep cool.
Dispose of contents/container according to local and federal regulations.	
Ingredients of unknown toxicity	0%
Hazards not Otherwise Classified	
Target organs:	Prolonged or repeated exposure can cause drying, defatting and dermatitis. Blood, Eyes, Liver, Respiratory system, Skin

Section 3. Ingredients

CAS	Ingredient Name	Weight %
64-17-5	Ethyl alcohol	60% - 80%

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. Remove contact lenses, if worn. If irritation persists, seek medical attention.
Skin Contact:	Flush with water; if irritation persists, seek medical attention.
Inhalation:	Remove victim to fresh air. Seek medical attention if discomfort continues.
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.
Note to Physician:	Symptoms may be delayed.
General Advice:	Keep away from sources of ignition. No smoking. If you feel unwell, seek medical advice (show the label where possible). Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance. Avoid contact with eyes and skin. Keep out of reach of children.
Signs and Symptoms:	Symptoms may include redness, edema, drying, defatting and cracking of the skin. Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting.

Section 5. Fire Fighting Measures

Suitable Extinguishing Media	Small fires: Dry chemical, Carbon Dioxide (CO ₂), water spray or regular foam. Large fires: Water spray, fog or regular foam.
Unsuitable Extinguishing Media	N.A.
Flammable properties:	Flammable by OSHA criteria. Containers may explode when heated.
Protection of firefighters:	Specific hazards arising from the chemical: N.A. Protective equipment for firefighters: Firefighters should wear full protective clothing including self-contained breathing apparatus.
Hazardous combustion products:	May include and are not limited to: Oxides of carbon.
Explosion data:	Sensitivity to Mechanical Impact: N.A. Sensitivity to static discharge: N.A.

Section 6. Accidental Release Measures

Personal precautions, protective equipment and emergency procedures:	Keep unnecessary personnel away, Ventilate the area. Eliminate sources of heat and ignition. Do not touch or walk through spilled material. Stop flow of material, if this is without risk. Wear personal protection as described in Section 8 of this SDS.
Environmental Precautions:	N.A.
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.

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:	Keep out of reach of children. Do not store at temperatures above 120° F (49° C). Keep away from heat, sparks, and flame. Store in a closed container away from incompatible materials.

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/mm ³ 29 CFR 1910.1000 Table Z-1 Limits	N/A
Personal Protective Equipment	N/A			
Engineering Controls:	Ventilation: General.			
Eye Protection:	None required for normal use. For prolonged exposure, use appropriate goggles, protective clothing and gloves.			
Hand Protection:	Protective gloves: Not required			
Skin and Body Protection:	As required by employer code.			
Respiratory Protection:	None required under normal use conditions.			
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	Clear/ Colorless
Odor	Mild alcohol
Odor Threshold	N.A.
Solubility	N.A.
Partition coefficient Water/n-octanol	N.A.
VOC%	N/A
Viscosity	3.2345 cST @ 20°C (68° F)
Specific Gravity	0.8562
Density lbs/Gal	N/A
Pounds per Cubic Foot	N/A
Flash Point	< or = to 22°C
FP Method	N.A.
Ph	3.7 @ 25° (77°F) by CIPAC MT75
Melting Point	N.A.
Boiling Point	N.A.
Boiling Range	N.A.
LEL	N/A
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.

Pour point: N.A.
Flash point: < or = to 22°C (71.6°F) per ASTM D93 Pensky-Martens Closed Tester
Relative density: 0.8562 by ASTM D891-09 pycnometer method
Viscosity: 3.2345 cST @ 20°C (68°F) by capillary viscometer per ISO 3104 & 3105

Section 10. Stability and Reactivity

Possibility of Hazardous Reactions: N.A.
Stability: Stable under normal conditions.
Conditions to avoid: Extreme/high temperatures. Do not mix with other chemicals.
Incompatibility (Materials to avoid): N.A.
Hazardous Decomposition or Byproducts: May include and are not limited to oxides of carbon.

Section 11. Toxicological Information

Likely Routes of Exposure:	Eye contact Skin contact Inhalation Ingestion
Acute Toxicity: LC50:	Ethyl Alcohol CAS No. 64-17-5 Species: Rat 31623 ppm
Acute Toxicity: Oral LC50:	Ethyl Alcohol CAS No. 64-17-5 Species: Rat 7060 mg/kg Ethyl Alcohol CAS No. 64-17-5 Species: Mouse 3450 mg/kg
Effects of acute exposure:	Eye: Moderately irritating to the eyes based on test data. Skin: May be slightly irritating to skin based on test data. Inhalation: May cause respiratory tract irritation. Ingestion: May cause stomach distress, nausea, or vomiting.
Sensitization:	Non-hazardous by OSHA criteria.
Chronic Effects:	Non-hazardous by OSHA criteria.
Carcinogenicity:	Non-hazardous by OSHA criteria. ACGIH Ethyl Alcohol CAS-No. 64-17-5 A3 Confirmed animal carcinogen with unknown relevance to humans.
Mutagenicity:	Non-hazardous by OSHA criteria.
Reproductive Effects:	Hazardous by OSHA criteria.
Teratogenicity:	Non-hazardous by OSHA criteria.
Name of Toxicologically Synergistic Products:	N.A.

Section 12. Ecological Information

Toxicity:	Ingredient Fresh water fish - Acute Toxicity Data: Ethyl Alcohol CAS-No. 64-17-5 96 Hr LC50 <i>Oncorhynchus mykiss</i> : 12.0 - 16.0 mL/L [static]; 96 Hr LC50 <i>Pimephales promelas</i> : > 100 mg/L [static]; 96 Hr LC50 <i>Pimephales promelas</i> : 13400 - 15100 mg/L [flow-through] Ingredient Water flea - Acute Toxicity Data: Ethyl Alcohol CAS-No. 64-17-5 48 Hr LC50 <i>Daphnia magna</i> : 9268 - 14221 mg/L; 24 Hr EC50 <i>Daphnia magna</i> : 10800 mg/L; 48 Hr EC50 <i>Daphnia magna</i> : 2 mg/L [static]
Persistence and degradability:	N.A.
Bioaccumulative potential:	N.A.
Mobility in soil:	N.A.
Environmental effects:	N.A.
Aquatic toxicity:	N.A.
Partition Coefficient:	N.A.
Chemical fate information:	N.A.
Potential environmental effects:	Components of this product have been identified as having potential environmental concerns.

Section 13. Disposal

Waste Disposal: Waste must be disposed of in accordance with federal, state and local environmental control regulations.

Waste from residues/unused products: N.A.

Contaminated packaging: N.A.

Section 14. Transport Information

UN Number 3175
UN Proper Shipping Name Solids containing flammable liquid, n.o.s. (Ethanol)
DOT Classification 4.1
Packing Group II
Basic shipping requirements: N.A.
Additional information: N.A.
Special provisions: 47, IB6, IP2, T3, TP33
Packaging exceptions: < 1 kg - Consumer Commodity ORM-D
ERG number: 133

Section 15. Regulatory Information

SARA 311/312: N.A.
SARA 302: N.A.
SARA 313: N.A.
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.
Massachusetts Right to Know Components: ETHYL ALCOHOL
Pennsylvania Right to Know Components: Ethanol.
Rhode Island Right to Know Components: ethyl alcohol.

Section 16. Other Information

Revision Date 12/16/2015

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.): Physical Hazard O

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): Instability Hazard O

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