



Safety Data Sheet

Micro-Kill Foaming Disinfectant Cleaner

Section 1. Identification

Product Identifier	Micro-Kill Foaming Disinfectant Cleaner		
Synonyms	EVSCHM711; MSD_SDS0261		
Manufacturer Stock Numbers	EVSCHM711		
Recommended use	To clean and deodorize all hard, nonporous washable household surfaces such as bathtubs, sinks, toilet bowl seats, etc.		
Uses advised against	Do not use as a glass cleaner.		
Manufacturer Contact			
Address	Medline Industries, Inc. 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	GASES UNDER PRESSURE - Liquefied gas
Signal Word	Warning
Pictogram	



Hazard Statements Contains gas under pressure; may explode if heated

Precautionary Statements

Response N/A

Prevention N/A

Storage Protect from sunlight. Store in a well-ventilated place.

Disposal N/A

Ingredients of unknown toxicity 0%

Hazards not Otherwise Classified

The product contains no substances which at their given concentration, are considered to be hazardous to health.

Other information: Causes mild skin irritation. 4.17% of the mixture consists of ingredient(s) of unknown toxicity.

Section 3. Ingredients

CAS	Ingredient Name	Weight %
106-97-8	N-Butane	1% - 5%
111-76-2	2-Butoxyethanol	1% - 5%
74-98-6	Propane	1% - 5%

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

Section 4. First-Aid Measures

Eye Contact Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.

Skin Contact: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

Inhalation: If overcome by vapor, move person to fresh air.

Ingestion: Ingestion from an aerosol product is unlikely to occur.

Most important symptoms and effects, both acute and delayed: Symptoms:
Irritating to the eyes on contact. May cause stinging, redness, and swelling of the eyes. May cause mild irritation. Prolonged and repeated contact may cause redness, burning, drying, and cracking of the skin. 2-Butoxyethanol penetrates skin readily. Frequent or wide spread contact may result on skin absorption of potentially harmful amounts.

Indication of any immediate medical attention and special treatment needed: Notes to physician:
None needed.

Section 5. Fire Fighting Measures

Suitable Extinguishing Media	In case of fire, use Water spray, Carbon Dioxide (CO ₂), Dry Chemical
Unsuitable Extinguishing Media	Use water spray or fog; do not use straight streams.
Specific hazards arising from the chemical:	Containers are under pressure. Temperatures above 130°F may cause cans to burst.
Hazardous combustion products:	Thermal decomposition may yield gases like carbon monoxide and carbon dioxide.
Explosion data:	Sensitivity to Mechanical Impact: Contents under pressure, keep away from heat and open flame. Sensitivity to Static Discharge: Keep away from heat, sparks, flame and other sources of ignition (i.e., pilot lights, electric motors and static electricity).
Protective Equipment and Precautions for Firefighters:	Use personal protective equipment as required.

Section 6. Accidental Release Measures

Personal Precautions, Protective Equipment and Emergency Procedures:	Personal Precautions: Contents under pressure. Do not puncture or incinerate cans. Other information: Keep out of reach of children
Environmental Precautions:	See section 12 for additional ecological information.
Methods and Materials for Containment and Cleaning up:	Methods for Containment: Provide adequate ventilation to area being treated. Soak up spills with chemically inert, absorbent material. Methods for Cleaning up: Clean contaminated surface thoroughly.

Section 7. Handling and Storage

Precautions for safe handling:	Advice on safe handling: Avoid contact with eyes. Avoid prolonged contact with the skin. Keep out of reach of children.
Conditions for safe storage, including any incompatibilities:	Storage Conditions: Store in a cool, dry place away from heat and open flame. Avoid storing at below-freezing temperatures. Aerosol storage level I (NFPA-30B). Incompatible Materials: Avoid heat, open flame and contact with strong oxidizers.

Section 8. Exposure Controls/Personal Protection

Occupational Exposure Limits	Ingredient Name	ACGIH TLV	OSHA PEL	STEL
	N-Butane	STEL: 1000 ppm	(vacated) TWA : 800 ppm (vacated) TWA: 1900 mg/m3	N/A
	2-Butoxyethanol	TWA: 20 ppm	TWA: 50 ppm TWA: 240 mg/m3 (vacated) TWA: 25 ppm (vacated) TWA: 120 mg/m3 (vacated) S* S*	N/A
	Propane	TWA: 1000 ppm	TWA: 1000 ppm TWA: 1800 mg/m3 (vacated) TWA: 1000 ppm (vacated) TWA: 1800 mg/m3	N/A
Personal Protective Equipment	Goggles, Gloves			
Appropriate Engineering Controls:	Engineering Controls: Use with adequate general or local exhaust ventilation.			
Eye/Face Protection:	Conventional eyeglasses to guard against splashing.			
Skin and Body Protection:	Household type gloves.			
Respiratory Protection:	Use in a well-ventilated area only. None required if used in a well-ventilated area. Follow label directions for correct use of the product.			
General Hygiene Considerations:	Wash hands thoroughly after handling.			

Section 9. Physical and Chemical Properties

Physical State	Aerosol
Color	White foam
Odor	Lemon
Odor Threshold	No information available
Solubility	Completely soluble
Partition coefficient Water/n-octanol	No information available
VOC%	N/A
Viscosity	No information available
Specific Gravity	N/A
Density lbs/Gal	N/A
Pounds per Cubic Foot	N/A
Flash Point	Not available
FP Method	No information available

pH	10.66 to 11.66
Melting Point	N.A.
Boiling Point	212°F/100°C
Boiling Range	N.D.
LEL	N/A
UEL	N/A
Evaporation Rate	Faster than butyl acetate
Flammability	No information available
Decomposition Temperature	No information available
Auto-ignition Temperature	No information available
Vapor Pressure	Not available
Vapor Density	No information available

Flash point: This is an aerosol product for which Flame Projection is 0 inches. Temperatures above 120°F may cause cans to burst.

Relative density: 1.005 +/- 0.005 concentrate

VOC content (%): 6.92%

Bulk Density: 8.37 Lb/gal

EPA Pesticide Registration number(s): 498-62

Section 10. Stability and Reactivity

Reactivity: N.A.

Chemical Stability: Stable.

Possibility of Hazardous Reactions: Temperatures above 130°F may cause cans to burst with force.

Hazardous Polymerization: Hazardous polymerization does not occur.

Conditions to avoid: Temperatures above 122°F (50°C).

Incompatibility (Materials to Avoid): Heat

Incompatibility (Materials to Avoid): Open flames.

Incompatibility (Materials to Avoid): Strong oxidizing agents.

Hazardous Decomposition or Byproducts: Thermal decomposition may yield gases like carbon monoxide and carbon dioxide.

Section 11. Toxicological Information

Information on likely routes of exposure: Product information:

This product has not been tested as whole. See below for information on ingredients.

Eye contact:
No data available.

Skin contact:
No data available.

Inhalation:
See data below.

Ingestion:
This is an aerosol product, ingestion is unlikely to occur. May be harmful if swallowed.

Numerical measures of toxicity:

N-Butane CAS-No. 106-97-8

Oral LD50

-

Dermal LD50

-

Inhalation LC50
= 658 g/m³ (Rat) 4 h

2-Butoxyethanol CAS-No. 111-76-2

Oral LD50

= 470 mg/kg (Rat)

Dermal LD50
= 99 mg/kg (Rabbit)

Inhalation LC50
= 450 ppm (Rat) 4 h

Propane CAS-No. 74-98-6

Oral LD50

-

Dermal LD50

-

Inhalation LC50
= 658 mg/L (Rat) 4 h

Information on Toxicological Effects:

Symptoms:
See information above.

Skin corrosion/irritation:

May cause skin irritation after contact with skin. 2-Butoxyethanol penetrates skin readily. Frequent or wide spread contact may result on skin absorption of potentially harmful amounts.

Sensitization:

No information available.

Germ cell Mutagenicity:	No information available.
Carcinogenicity:	Not known chronic effects based on available data. None of the ingredients present in excess of 0.1% are listed as carcinogenic by NTP, IARC or OSHA.
Reproductive Toxicity:	No information available.
Specific Target Organ Toxicity - Single Exposure:	No information available.
Specific Target Organ Toxicity - Repeated Exposure:	No information available.
Aspiration Hazard:	No information available.
Numerical measures of toxicity:	<p>Product Information:</p> <p>Unknown acute toxicity:</p> <p>4.17% of the mixture consists of ingredient(s) of unknown toxicity</p> <p>The following values are calculated based on chapter 3.1 of the GHS document:</p> <p>ATEmix (Oral)</p> <p>17518 mg/kg</p> <p>ATEmix (Dermal)</p> <p>44000 mg/kg</p> <p>ATEmix (Inhalation-gas)</p> <p>27894 mg/l</p> <p>ATEmix (Inhalation-dust/mist)</p> <p>60 mg/l</p> <p>ATEmix (Inhalation-vapor)</p> <p>8595 mg/l</p>

Section 12. Ecological Information

Ecotoxicity:	<p>11.05% of the mixture consists of component(s) of unknown hazards to the aquatic environment.</p> <p>Chemical name:</p> <p>2-Butoxyethanol CAS-No. 111-76-2</p> <p>Algae/aquatic plants:</p> <p>-</p> <p>Fish:</p> <p>1490: 96 h Lepomis macrochirus mg/L LC50 static 2950: 96 h Lepomis macrochirus mg/L LC50</p> <p>Toxicity to microorganisms:</p> <p>-</p> <p>Crustacea:</p> <p>1000: 48 h Daphnia magna mg/L EC50 1698 - 1940: 24 h Daphnia magna mg/L EC50</p>
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Persistence and degradability:	No information available.
Bioaccumulation:	See information below.
	Chemical name: N-Butane CAS-No. 106-97-8 Partition coefficient: 2.89
	Chemical name: 2-Butoxyethanol CAS-No. 111-76-2 Partition coefficient: 0.81
	Chemical name: Propane CAS-No. 74-98-6 Partition coefficient: 2.3
Other adverse effects:	No information available.

Section 13. Disposal

Waste Treatment Methods: Disposal of wastes:
Do not puncture or incinerate container. If empty: Place in trash or offer for recycling if available. If partly filled: Call your local solid waste agency for disposal instructions.

Contaminated packaging:
Pressurized container: Do not pierce or burn, even after use.

Section 14. Transport Information

UN Number	1950
UN Proper Shipping Name	Aerosols, flammable, (each not exceeding 1 L capacity)
DOT Classification	2.1
Packing Group	N/A
IATA - UN Number:	1950
IATA - UN Proper Shipping Name:	Aerosols, flammable
IATA - Packing Group:	N/A
IATA - Hazard Class:	2.1
IMDG - UN Number	1950
IMDG - UN Proper Shipping Name	Aerosols
IMDG - Packing Group	N/A
IMDG - Hazard Class:	2

Section 15. Regulatory Information

This chemical is a pesticide product registered by the Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets, and for workplace labels of non-pesticide chemicals. Following is the hazard information as required on the pesticide label:

CAUTION: Do not spray in eyes. In case of eye contact, flush thoroughly with water. If irritation persists, get medical attention. Avoid spraying on food.

Refer to Section 2 of the SDS.

SARA 311/312:

SARA 302:

SARA 304:

SARA 313:

TSCA:

CERCLA Hazardous
Substance List:

Clean Air Act (CAA) Section
112, 112 (r):

New Jersey Right to Know

Components:

Massachusetts Right to
Know Components:

Rhode Island Right to
Know Components:

N.A.

N.A.

N.A.

N.A.

All components are listed or exempt.

N.A.

Propane

BUTANE

2-BUTOXY ETHANOL

Propane

Butane

ETHANOL, 2-BUTOXY
PROPANE

Butane

2-Butoxyethanol

Propane

Section 16. Other Information

Revision Date

8/2/2019

Legend

N.A. - Not Applicable

N.E. - Not Established

N.D. - Not Determined

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

HMIS (U.S.A.): Flammability 2

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

HMIS (U.S.A.): Personal
Protection B - Eyes and hands protection

National Fire Protection 1

Association (U.S.A): Health
Hazard

National Fire Protection 2

Association (U.S.A):
Flammability

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

1

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

Not applicable.

Additional Information:

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