



Safety Data Sheet

Micro-Kill Q3 Concentrated Disinfectant, Cleaner & Deodorizer

Section 1. Identification

Product Identifier	Micro-Kill Q3 Concentrated Disinfectant, Cleaner & Deodorizer		
Synonyms	EVSCHM110; EVSCHM115; MSD_SDS0258		
Manufacturer Stock Numbers	EVSCHM110; EVSCHM115		
Recommended use	Cleaner		
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	ACUTE TOXICITY - ORAL - Category 4 SKIN CORROSION/IRRITATION - Category 1B
Signal Word	Danger
Pictogram	Two hazard pictograms are shown side-by-side. The first is a red diamond containing a black silhouette of a hand being splashed with liquid from a container. The second is a red diamond containing a large black exclamation mark.

Hazard Statements	Causes severe skin burns and eye damage Harmful if swallowed
Precautionary Statements	
Response	If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If inhaled: Remove person to fresh air and keep comfortable for breathing. If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. If swallowed: Call a doctor, a POISON CENTER if you feel unwell. If swallowed: Rinse mouth. Do NOT induce vomiting. Immediately call a doctor, a POISON CENTER. Rinse mouth. Specific treatment (see First Aid measures on this label) Wash contaminated clothing before reuse.
Prevention	Do not breathe mist, spray Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Wear eye protection, protective clothing, protective gloves
Storage	Store locked up.
Disposal	Dispose of contents/container to comply with local/regional/national /international regulations

Ingredients of unknown toxicity 0%

Hazards not Otherwise Classified

No Data Available

Section 3. Ingredients

CAS	Ingredient Name	Weight %
68424-85-1	Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides	5% - 10%
32426-11-2	QUATERNIUM-24	5% - 10%
7173-51-5	Didecyldimethylammonium chloride	3% - 7%
5538-94-3	Dimethyldioctylammonium chloride	1% - 5%
64-17-5	Ethanol	1% - 5%

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

Section 4. First-Aid Measures

General:	If you feel unwell, seek medical advice (show the label where possible). If exposed or concerned: Get medical advice/attention.
Inhalation:	Remove person to fresh air and keep comfortable for breathing. If experiencing respiratory symptoms: Call a poison center or a doctor.

Skin Contact:	Take off immediately all contaminated clothing and wash it before reuse. Rinse skin with water/shower. If skin irritation occurs: Get medical advice/attention.
Eye Contact:	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a Poison Center or doctor/physician.
Ingestion:	Rinse mouth. Do NOT induce vomiting. Immediately call a poison center or doctor/physician.
Most important symptoms and effects, both acute and delayed:	Causes severe skin burns and eye damage. Harmful if swallowed. After inhalation: Irritation of the respiratory tract. Dizziness. Headache. After skin contact: Caustic burns/corrosion of the skin After eye contact: Causes serious eye damage. Corrosion of the eye tissue. Permanent eye damage. After ingestion: Harmful if swallowed. Burns to the gastric/intestinal mucosa. Gastrointestinal complaints. Diarrhea. Nausea. Vomiting.
Indication of immediate medical attention and special treatment needed:	Treat symptomatically.

Section 5. Fire Fighting Measures

Suitable Extinguishing Media	All extinguishing media allowed.
Unsuitable Extinguishing Media	N/A
Special hazards arising from the substance or mixture:	Reactivity: Upon heating, toxic fumes are formed.
Advice for firefighters:	Firefighting Instructions: Exercise caution when fighting any chemical fire. Use water spray or fog for cooling exposed containers. Take account of environmentally hazardous firefighting water. Protection during firefighting: Do not enter fire area without proper protective equipment, including respiratory protection.

Section 6. Accidental Release Measures

Personal Precautions, Protective Equipment and Emergency Procedures:	General Measures: Isolate from fire, if possible, without unnecessary risk.
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For Non-Emergency Personnel:

Protective Equipment:
Protective goggles. Gloves. Protective clothing.

Emergency Procedures:
Evacuate unnecessary personnel. Avoid contact with skin, eyes and clothing.
Ventilate spillage area.

For Emergency Responders:

Protective Equipment:
Equip cleanup crew with proper protection.

Emergency Procedures:
Stop leak if safe to do so. Stop release. Ventilate area.

Environmental Precautions:

Avoid release to the environment. Prevent soil and water pollution.

Methods and Materials for Containment and Cleaning up:

For containment:
Contain released product, pump into suitable containers.

Methods for cleaning up:
This material and its container must be disposed of in a safe way, and as per local legislation.

Reference to other sections:

No additional information available.

Section 7. Handling and Storage

Precautions for Safe Handling:

Obtain special instructions before use. Comply with the legal requirements. Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required. Do not eat, drink, or smoke when using this product. Do not get in eyes, on skin, or on clothing.

Hygiene Measures:
Wash thoroughly after handling. Wash contaminated clothing before reuse.

Conditions for Safe Storage, Including any Incompatibilities:

Technical measures: Comply with applicable regulations.

Storage conditions: Keep container closed when not in use.

Storage area: Store in a dry area. Store in a cool area. Keep locked up.

Special rules on packaging: Meet the legal requirements. Keep only in original container.

Section 8. Exposure Controls/Personal Protection

Occupational Exposure Limits

Ingredient Name	ACGIH TLV	OSHA PEL	STEL
Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides	N/A	N/A	N/A
QUATERNIUM-24	N/A	N/A	N/A

Didecyldimethylammonium chloride	N/A	N/A	N/A
Dimethyldioctylammonium chloride	N/A	N/A	N/A
Ethanol	STEL: 1,000 ppm Note: Upper respiratory track irritation. Confirmed animal carcinogen with unknown relevance to humans.	TWA: 1,000 ppm 1,900mg/mm3 29 CFR 1910.1000 Table Z-1 Limits	N/A

Personal Protective Equipment

Goggles, Gloves, Apron

Personal Protective Equipment:

Use appropriate personal protective equipment when risk assessment indicates this is necessary.

Section 9. Physical and Chemical Properties

Physical State	Liquid
Color	Clear/green
Odor	Fresh
Odor Threshold	N.D.
Solubility	Soluble
Partition coefficient Water/n-octanol	N.D.
VOC%	N/A
Viscosity	N.D.
Specific Gravity	0.98
Density lbs/Gal	N/A
Pounds per Cubic Foot	N/A
Flash Point	>200 °F/93.3 °C
FP Method	Closed Cup
pH	12.5 - 13.5
Melting Point	N.D.
Boiling Point	N.D.
Boiling Range	N.D.
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:	Upon heating, toxic fumes are formed.
Chemical stability:	Stable under normal conditions.
Possibility of Hazardous Reactions:	Refer to section 10 on Reactivity.
Conditions to avoid:	No additional information available.
Incompatible Materials:	No additional information available.
Hazardous Decomposition or Byproducts:	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

Section 11. Toxicological Information

Acute Toxicity:	Oral: Harmful if swallowed. Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides CAS-no: 68424-85-1 LD50 oral rat: 344 mg/kg LD50 dermal rabbit: 3340 mg/kg ATE CLP (oral): 344.000 mg/kg body weight ATE CLP (dermal): 3340.000 mg/kg body weight didecyldimethylammonium chloride CAS-no: 7173-51-5 LD50 oral rat: 238 mg/kg Method: OECD Test Guideline 401 LD50 dermal rabbit: 3342 mg/kg ATE CLP (oral): 238.000 mg/kg body weight ATE CLP (dermal): 3342.000 mg/kg body weight Ethanol CAS-no: 64-17-5 LD50 oral rat: 10740 mg/kg body weight (Rat; OECD 401: Acute Oral Toxicity; Experimental value) LD50 dermal rabbit: > 16000 mg/kg (Rabbit; Literature study) ATE CLP (oral): 10740.000 mg/kg body weight
Skin Corrosion/Irritation:	Causes severe skin burns and eye damage. pH: 12.5-13.5
Serious Eye Damage/Irritation:	Not classified.
Respiratory/Skin Sensitization:	Not classified.
Germ cell mutagenicity:	Not classified.
Carcinogenicity:	Not classified.
Reproductive toxicity:	Not classified.
Specific Target Organ Toxicity - Single Exposure:	Not classified.
Specific Target Organ Toxicity - Repeated	Not classified.

Exposure:	
Aspiration hazard:	Not classified.
Symptoms/effects after inhalation:	Irritation of the respiratory tract. Dizziness. Headache.
Symptoms/effects after Skin Contact:	Caustic burns/corrosion of the skin.
Symptoms/effects after Eye Contact:	Causes serious eye damage. Corrosion of the eye tissue. Permanent eye damage.
Symptoms/effects after Ingestion:	Harmful if swallowed. Burns to the gastric/intestinal mucosa. Gastrointestinal complaints. Diarrhea. Nausea. Vomiting.

Section 12. Ecological Information

Toxicity:	Ethanol CAS-no: 64-17-5 LC50 fish 1: 14200 mg/l (LC50; US EPA; 96 h; Pimephales promelas; Flow-through system; Fresh water; Experimental value)
Persistence and degradability:	Ethanol CAS No. 64-17-5 Persistence and degradability: Readily biodegradable in water. Biodegradable in the soil. Highly mobile in soil. Biochemical oxygen demand (BOD): 0.8 - 0.967 g O ₂ /g substance Chemical oxygen demand (COD): 1.7 g O ₂ /g substance ThOD: 2.1 g O ₂ /g substance BOD (% of ThOD): 0.43
Bioaccumulative potential:	Ethanol CAS-No. 64-17-5 BCF fish 1: 1 (BCF; Other; 72 h; Cyprinus carpio; Static system; Fresh water; Read-across) Log Pow: -0.31 (Experimental value) Bioaccumulative potential: Low potential for bioaccumulation (Log Kow < 4).

Section 13. Disposal

Product/Packaging disposal recommendations:	Dispose of contents/container to comply with local/regional/national /international regulations.
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Section 14. Transport Information

UN Number	1903
UN Proper Shipping Name	Disinfectants, liquid, corrosive n.o.s. (Quaternary Ammonium Chloride)
DOT Classification	8
Packing Group	II
IATA - UN Number:	1903

IATA - UN Proper Shipping Name: Disinfectants, liquid, corrosive n.o.s. (Quaternary Ammonium Chloride)

IATA - Hazard Class: 8

IATA - Packing Group: II

IMDG - UN Number 1903

IMDG - UN Proper Shipping Name: Disinfectants, liquid, corrosive n.o.s. (Quaternary Ammonium Chloride)

IMDG - Hazard Class: 8

IMDG - Packing Group: II

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:

EPA Registration number: 6836-349-37549

DANGER. Corrosive. Causes irreversible eye damage and skin burns. Do not get in eyes, on skin, or on clothing. Wear protective eyewear (goggles, face shield or safety glasses), protective clothing and protective (rubber or chemical resistant) gloves. Harmful if swallowed or if absorbed through the skin. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Remove contaminated clothing and wash clothing before reuse.

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.

Massachusetts Right to Know Components: ETHANOL.

Pennsylvania Right to Know Components: ETHANOL.

Rhode Island Right to Know Components: ethyl alcohol.

Section 16. Other Information

Revision Date 11/21/2022

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

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

National Fire Protection Association (U.S.A): Fire Hazard 1

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

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.