



Safety Data Sheet

Micro-Kill Q3 Concentrated Disinfectant, Cleaner & Deodorizer

Section 1. Identification

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| Product Identifier | Micro-Kill Q3 Concentrated Disinfectant, Cleaner & Deodorizer | | |
| Synonyms | EVSCHEM110; EVSCHEM115; MSD_SDS0258 | | |
| Manufacturer Stock Numbers | EVSCHEM110; EVSCHEM115 | | |
| Recommended use | Cleaner | | |
| Uses advised against | N/A | | |
| 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

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| Classification | ACUTE TOXICITY - ORAL - Category 4 SKIN CORROSION/IRRITATION - Category 1B |
| Signal Word | Danger |
| Pictogram | |



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| 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

Other hazards: No additional information available.

Unknown acute toxicity (GHS-US): Not applicable.

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

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

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| First-aid Measures after 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. |
| First-aid Measures after 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. |
| First-aid Measures after Ingestion: | Rinse mouth. Do NOT induce vomiting. Immediately call a poison center or doctor/physician. |
| Most important symptoms and effects, both acute and delayed: | <p>Symptoms/effects: Causes severe skin burns and eye damage. Harmful if swallowed.</p> <p>Symptoms/effects after inhalation: Irritation of the respiratory tract. Dizziness. Headache.</p> <p>Symptoms/effects after skin contact: Caustic burns/corrosion of the skin</p> <p>Symptoms/effects after eye contact: Causes serious eye damage. Corrosion of the eye tissue. Permanent eye damage.</p> <p>Symptoms/effects after ingestion: Harmful if swallowed. Burns to the gastric/intestinal mucosa. Gastrointestinal complaints. Diarrhea. Nausea. Vomiting.</p> |
| Indication of immediate medical attention and special treatment needed: | Treat symptomatically |

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| Section 5. Fire Fighting Measures |
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| Suitable Extinguishing Media | All extinguishing media allowed. |
| Unsuitable Extinguishing Media | N/A |
| Special hazards arising from the substance or mixture: | <p>Reactivity: Upon heating, toxic fumes are formed.</p> |
| Advice for firefighters: | <p>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.</p> <p>Protection during firefighting: Do not enter fire area without proper protective equipment, including respiratory protection.</p> |

Section 6. Accidental Release Measures

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

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| 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: 1,000ppm 1,900mg/mm3 29 CFR 1910.1000 Table Z-1 Limits | N/A |

Personal Protective Equipment

Goggles, Gloves, Apron

Protective Clothing/Equipment:

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

Section 9. Physical and Chemical Properties

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| Physical State | Liquid |
| Color | Clear. Green. Liquid. |
| Odor | Fresh |
| Odor Threshold | No data available |
| Solubility | Soluble in water |
| Partition coefficient Water/n-octanol | No data available |
| VOC% | N/A |
| Viscosity | No data available |
| Specific Gravity | 0.98 |
| Density lbs/Gal | N/A |
| Pounds per Cubic Foot | N/A |

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| Flash Point | >200 °F / 93.3 °C |
| FP Method | Closed Cup |
| pH | 12.5 - 13.5 |
| Melting Point | No data available |
| Boiling Point | No data available |
| Boiling Range | No data available |
| LEL | N/A |
| UEL | N/A |
| Evaporation Rate | No data available |
| Flammability | N.D. |
| Decomposition Temperature | No data available |
| Auto-ignition Temperature | No data available |
| Vapor Pressure | No data available |
| Vapor Density | No data available |

VOC content: < 3 %

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

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| Skin Corrosion/Irritation: | Causes severe skin burns and eye damage. pH: 12.5-13.5 |
| Serious Eye Damage/Irritation: | Not Classified pH: 12.5-13.5 |
| Respiratory/Skin Sensitization: | Not classified. Respiratory sensitization - Not classified Skin sensitization - Not a skin sensitizer |
| 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 Exposure: | Not classified. |
| 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

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| 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

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

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| UN Number | 1903 |
| UN Proper Shipping Name | Disinfectants, liquid, corrosive n.o.s. (Quaternary Ammonium Chloride) |
| DOT Classification | 8 |
| Packing Group | II |
| ADR: | No additional information available |
| Transport by Sea: | No additional information available |
| Air Transport: | No additional information available |

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:

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.

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| Section 16. Other Information |
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Revision Date 8/1/2019

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.