



Safety Data Sheet

Medline Micro-Kill NQ5

Section 1. Identification

Product Identifier	Medline Micro-Kill NQ5		
Synonyms	EVSCHM215; MSD_SDS0321		
Manufacturer Stock Numbers	EVSCHM215		
Recommended use	Disinfectant Cleaner		
Uses advised against	None known.		
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	ACUTE TOXICITY - ORAL - Category 4 SENSITIZATION - SKIN - Category 1 SERIOUS EYE DAMAGE /EYE IRRITATION - Category 1 SKIN CORROSION/IRRITATION - Category 1C
Signal Word	Danger

Pictogram



Hazard Statements

Causes severe skin burns and eye damage
Harmful if swallowed
May cause an allergic skin reaction

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 victim to fresh air and keep at rest in a position comfortable for breathing. Get medical advice/attention if you feel unwell.
If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. Immediately call a poison center/doctor.
If Swallowed: Rinse mouth. Do NOT induce vomiting.
Immediately call a poison center/doctor.
Wash contaminated clothing before reuse.

Prevention

Do not breathe vapor.
Wash hands thoroughly after handling.
Wear protective gloves.
Wear safety glasses with side shields (or goggles).

Storage

Store locked up. Store away from incompatible materials. Keep out of the reach of children.

Disposal

Dispose of waste and residues in accordance with local authority requirements.

Ingredients of unknown toxicity 0%

Hazards not Otherwise Classified

None known.

Supplemental Information: None known.

Section 3. Ingredients

CAS	Ingredient Name	Weight %
5538-94-3	Dioctyl Dimethyl Ammonium Chloride	20% - 25%
68391-01-5	Quaternary Ammonium Compounds, Benzyl-C12 - C18-alkyldimethyl, Chlorides	10% - 15%
64-17-5	Ethyl Hydroxide	1% - 5%
60-00-4	Ethylenediaminetetraacetic Acid	1% - 5%
64-02-8	Ethylenediaminetetraacetic Acid, Tetrasodium Salt	1% - 5%

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

Section 4. First-Aid Measures

Inhalation:	Move to fresh air. Call a physician if symptoms develop or persist.
Skin Contact:	Remove contaminated clothing immediately and wash skin with soap and water. Call a physician or poison control center immediately. Chemical burns must be treated by a physician. Wash contaminated clothing before reuse.
Eye Contact:	Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a physician or poison control center immediately.
Ingestion:	Call a physician or poison control center immediately. Rinse mouth. Do not induce vomiting. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs.
Most important symptoms/effects, acute and delayed:	Burning pain and severe corrosive skin damage. Causes serious eye damage. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Permanent eye damage including blindness could result.
Indication of immediate medical attention and special treatment needed:	Provide general supportive measures and treat symptomatically. Chemical burns: Flush with water immediately. While flushing, remove clothes which do not adhere to affected area. Call an ambulance. Continue flushing during transport to hospital. Keep victim warm. Keep victim under observation. Symptoms may be delayed.
General Information:	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. Wash contaminated clothing before reuse.

Section 5. Fire Fighting Measures

Suitable Extinguishing Media	Water fog. Foam. Dry chemical powder. Carbon dioxide (CO2).
Unsuitable Extinguishing Media	None known.
Specific hazards arising from the chemical:	During fire, gases hazardous to health may be formed.
Special Protective Equipment and Precautions for Fire-Fighters:	Self-contained breathing apparatus and full protective clothing must be worn in case of fire.
Fire fighting equipment/instructions:	Move containers from fire area if you can do so without risk.
Specific Methods:	Use standard firefighting procedures and consider the hazards of other involved materials.
General Fire Hazards:	No unusual fire or explosion hazards noted.

Section 6. Accidental Release Measures

Personal precautions, protective equipment and emergency procedures	Wear appropriate protective equipment and clothing during clean-up. Do not breathe mist or vapor. Ensure adequate ventilation. For personal protection, see section 8 of the SDS.
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Methods and Materials for Containment and Cleaning up: Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.

Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS.

Environmental Precautions: Avoid discharge into drains, water courses or onto the ground.

Section 7. Handling and Storage

Precautions for safe handling: Do not breathe mist or vapor. When using, do not eat, drink or smoke. Provide adequate ventilation. Wear appropriate personal protective equipment. Wash hands thoroughly after handling.

Conditions for Safe Storage: Do not contaminate water, food or feed by storage or disposal. Store locked up. Store in original tightly closed container. Store away from incompatible materials (see Section 10 of the SDS). Keep out of the reach of children.

Section 8. Exposure Controls/Personal Protection

Occupational Exposure Limits	Ingredient Name	ACGIH TLV	OSHA PEL	STEL
	Diocetyl Dimethyl Ammonium Chloride	N/A	N/A	N/A
	Quaternary Ammonium Compounds, Benzyl-C12 - C18-alkyldimethyl, Chlorides	N/A	N/A	N/A
	Ethyl Hydroxide	STEL: 1,000 ppm	TWA: 1,000 ppm 1,900mg/mm3	N/A
		Note: Upper respiratory track irritation. Confirmed animal carcinogen with unknown relevance to humans.	29 CFR 1910.1000 Table Z-1 Limits	
	Ethylenediaminetetraacetic Acid	N/A	N/A	N/A
	Ethylenediaminetetraacetic Acid, Tetrasodium Salt	N/A	N/A	N/A

Personal Protective Equipment: Goggles, Gloves

Appropriate Engineering Controls: General ventilation normally adequate. Provide eyewash station.

Individual protection measures, such as personal protective equipment:

Eye/face protection:
Wear safety glasses with side shields (or goggles).

Skin protection:
Hand protection: Wear appropriate chemical resistant gloves.

Respiratory protection:
Not normally needed. In case of insufficient ventilation, wear suitable respiratory equipment.

General Hygiene Considerations:

Keep away from food and drink. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

Section 9. Physical and Chemical Properties

Physical State	Liquid
Color	Green/Clear
Odor	Citrus/floral
Odor Threshold	Not available
Solubility	100%
Partition coefficient Water/n-octanol	Not available
VOC%	N/A
Viscosity	Not available
Specific Gravity	0.98
Density lbs/Gal	N/A
Pounds per Cubic Foot	N/A
Flash Point	None to Boiling
FP Method	N.D.
pH	7 - 8.5
Melting Point	< 32°F (< 0°C)
Boiling Point	> 212°F (> 100°C)
Boiling Range	N.D.
LEL	N/A
UEL	N/A
Evaporation Rate	Not available
Flammability	Not applicable
Decomposition Temperature	Not available
Auto-ignition Temperature	Not available
Vapor Pressure	Not available
Vapor Density	Not available

Explosive Properties: Not explosive.

Oxidizing Properties: Not oxidizing.

Section 10. Stability and Reactivity

Reactivity:	The product is stable and non-reactive under normal conditions of use, storage and transport.
Chemical Stability:	Material is stable under normal conditions.
Possibility of Hazardous Reactions:	Hazardous polymerization does not occur.
Conditions to avoid:	Contact with incompatible materials. Do not mix with other chemicals.
Incompatibility (Materials to Avoid):	Strong oxidizing agents.
Hazardous Decomposition or Byproducts	No hazardous decomposition products are known.

Section 11. Toxicological Information

Information on likely routes of exposure:	Eye contact: Causes serious eye damage. Skin contact: Causes severe skin burns. May cause an allergic skin reaction. Inhalation: May cause irritation to the respiratory system. Prolonged inhalation may be harmful. Ingestion: Causes digestive tract burns. Harmful if swallowed.
Symptoms related to the physical, chemical and toxicological characteristics:	Burning pain and severe corrosive skin damage. Causes serious eye damage. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Permanent eye damage including blindness could result.
Information on toxicological effects:	Medline Micro-Kill NQ5 LD50 Dermal Rabbit >5000 mg/kg LC50 Inhalation Rat >50 mg/l/4h LD50 Oral Rat 1375 mg/kg
Skin corrosion/irritation:	Causes severe skin burns and eye damage.
Serious eye damage/Eye irritation:	Causes serious eye damage.
Respiratory/Skin Sensitization:	Respiratory Sensitization: Not a respiratory sensitizer. Skin Sensitization: May cause an allergic skin reaction.
Germ cell Mutagenicity:	No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.
Carcinogenicity:	Not classifiable as to carcinogenicity to humans. IARC Monographs. Overall Evaluation of Carcinogenicity: Not listed.

US. National Toxicology Program (NTP) Report on Carcinogens:
Not listed.

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050):
Not regulated.

Reproductive Toxicity: This product is not expected to cause reproductive or developmental effects.

Specific Target Organ Not classified.

Toxicity - Single Exposure: Not classified.

Specific Target Organ Not classified.

Toxicity - Repeated
Exposure:

Aspiration hazard: Not an aspiration hazard.

Chronic Effects: Prolonged inhalation may be harmful.

Section 12. Ecological Information

Ecotoxicity: The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have harmful or damaging effect on the environment.

Persistence and
degradability: N.D.

Bioaccumulative potential: Partition coefficient n-octanol / water (log Kow):
Ethyl Hydroxide: -0.31

Mobility in soil: No data available.

Other adverse effects: No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

Section 13. Disposal

Disposal Instructions: Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

Local disposal regulations: Dispose in accordance with all applicable regulations.

Hazardous Waste Code: The waste code should be assigned in discussion between the user, the producer and the waste disposal company.

Waste from
residues/unused products: Nonrefillable container. Do not reuse or refill this container. Clean container promptly after emptying. Triple rinse as follows: Fill container ¼ full with water and reclose the container. Agitate vigorously, and dispose of rinsate consistent with pesticide disposal instructions. Repeat two more times. Then offer for recycling if available or puncture and dispose in sanitary landfill or by other procedures approved by state and local authorities. Follow pesticide disposal instructions for rinsate. If not triple rinsed, these containers are acute hazardous wastes and must be disposed in accordance with local, state, and federal regulations.

Nonrefillable sealed container: Do not reuse or refill this container. Wrap empty container and put in trash.

Contaminated packaging: Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.

Section 14. Transport Information

UN Number	1903
UN Proper Shipping Name	Disinfectants, liquid, corrosive n.o.s. (Quaternary Ammonium Compounds)
DOT Classification	8
Packing Group	III
DOT - Label(s)	8
IATA - UN Number:	1903
IATA - UN Proper Shipping Name:	Disinfectant, liquid, corrosive, n.o.s. (Quaternary Ammonium Compounds)
IATA - Hazard Class(es):	Class: 8
IATA - Packing Group:	III
IMDG - UN Number	1903
IMDG - Proper Shipping Name	DISINFECTANT, LIQUID, CORROSIVE, N.O.S. (Quaternary Ammonium Compounds)
IMDG - Transport hazard class(es):	Class: 8
IMDG - Packing Group:	III

Section 15. Regulatory Information

This chemical is a pesticide product registered by the United States 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 (SDS), and for workplace labels of non-pesticide chemicals. Following is the hazard information as required on the pesticide label: EPA Reg # 6836-364-106

Signal word: DANGER

Hazard statement: CORROSIVE. Causes irreversible eye damage and skin burns. May be fatal if inhaled or absorbed through the skin. Harmful if swallowed.

SARA 311/312:	Refer to Section 2 of the SDS.
SARA 302:	N.A.
SARA 304:	N.A.
SARA 313:	Ethylenediamine-tetraacetic acid
TSCA:	All components are listed or exempt.
CERCLA Hazardous Substance List:	Ethylenediamine-tetraacetic acid
Clean Air Act (CAA) Section 112, 112 (r):	N.A.

State Regulations: New Jersey Dept. Of Health RTK:
Ethyl Alcohol
Ethylenediamine-tetraacetic Acid

Pennsylvania RTK:
Ethanol
Ethylenediamine-tetraacetic Acid

Rhode Island RTK:
Ethyl Alcohol

Massachusetts RTK:
Ethanol
EDTA

Section 16. Other Information

Revision Date 8/1/2019

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

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.