



Safety Data Sheet

Micro-Kill R2

Section 1. Identification

Product Identifier	Micro-Kill R2
Synonyms	EVSCHM122; MSD_SDS0325
Manufacturer Stock Numbers	EVSCHM122
Recommended use	Disinfectant.
Uses advised against	Restrictions on use: Do not use in any fashion not specified on the product label.
Manufacturer Contact Address	Medline 3 Lakes Drive Northfield, IL, 60093 USA
Phone	(800) 633-5463
Emergency Phone	(800) 424-9300 CHEMTREC
Fax	(847) 643-4436
Website	www.Medline.com

Section 2. Hazards Identification

Classification	SERIOUS EYE DAMAGE /EYE IRRITATION - Category 1 SKIN CORROSION/IRRITATION - Category 1B
Signal Word	Danger

Pictogram



Hazard Statements

Causes serious eye damage
Causes severe skin burns and eye damage

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 on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
If swallowed: Rinse mouth. Do NOT induce vomiting.
Immediately call a poison center/doctor.

Prevention

Do not breathe dusts or mists.
Wear eye protection/face protection.

Storage

N/A

Disposal

Dispose of contents/container to industrial combustion plant.

Ingredients of unknown toxicity

0%

Hazards not Otherwise Classified

Harmful to aquatic life (GHS category 3: aquatic toxicity - acute).

Section 3. Ingredients

CAS	Ingredient Name	Weight %
64-02-8	Tetrasodium EDTA	1% - < 5%

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

Section 4. First-Aid Measures

Inhalation:

If breathing is irregular or stopped, immediately seek medical assistance and start first aid actions. In case of respiratory tract irritation, consult a physician. Provide fresh air.

Skin contact:

Wash with plenty of soap and water.

Eye contact:

Remove contact lenses, if present and easy to do. Continue rinsing. Irrigate copiously with clean, fresh water for at least 10 minutes, holding the eyelids apart.

Ingestion:

Rinse mouth with water (only if the person is conscious). Do NOT induce vomiting.

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

Section 5. Fire Fighting Measures

Suitable Extinguishing Media	Water spray, BC-powder, Carbon dioxide (CO ₂).
Unsuitable Extinguishing Media	Water jet.
Advice for firefighters:	In case of fire and/or explosion do not breathe fumes. Coordinate firefighting measures to the fire surroundings. Do not allow firefighting water to enter drains or water courses. Collect contaminated firefighting water separately. Fight fire with normal precautions from a reasonable distance.

Section 6. Accidental Release Measures

Personal precautions, protective equipment and emergency procedures:	For non-emergency personnel: Remove persons to safety. For emergency responders: Wear breathing apparatus if exposed to vapors/dust/aerosols/gases.
Environmental precautions:	Keep away from drains, surface and ground water. Retain contaminated washing water and dispose of it.
Methods and material for containment and cleaning up:	Advice on how to contain a spill: Covering of drains. Advice on how to clean up a spill: Wipe up with absorbent material (e.g. cloth, fleece). Collect spillage: sawdust, kieselgur (diatomite), sand, universal binder. Appropriate containment techniques: Use of adsorbent materials. Other information relating to spills and releases: Place in appropriate containers for disposal. Ventilate affected area.

Section 7. Handling and Storage

Precautions for safe handling:	Measures to prevent fire as well as aerosol and dust generation: Use local and general ventilation. Use only in well-ventilated areas. Handling of incompatible substances or mixtures: Do not mix with acids. Advice on general occupational hygiene Wash hands after use. Do not eat, drink and smoke in work areas. Remove contaminated clothing and protective equipment before entering eating areas. Never keep food or drink in the vicinity of chemicals. Never place chemicals in containers that are normally used for food or drink. Keep away from food, drink and animal feedingstuffs.
Conditions for safe storage, including any incompatibilities:	Protect against external exposure, such as frost. See section 16 for a general overview.

Section 8. Exposure Controls/Personal Protection

Occupational Exposure Limits	Ingredient Name	ACGIH TLV	OSHA PEL	STEL
	Tetrasodium EDTA	N/A	N/A	N/A
Personal Protective Equipment	Goggles, Gloves			
Appropriate engineering controls:	General ventilation.			
Eye/face protection:	Wear eye/face protection.			
Skin protection:	Hand protection: Wear suitable gloves. Chemical protection gloves are suitable, which are tested according to EN 374. Check leak-tightness/ impermeability prior to use. In the case of wanting to use the gloves again, clean them before taking off and air them well. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.			
	Other protection measures: Take recovery periods for skin regeneration. Preventive skin protection (barrier creams/ointments) is recommended. Wash hands thoroughly after handling.			
Respiratory protection:	In case of inadequate ventilation wear respiratory protection.			
Environmental exposure controls:	Use appropriate container to avoid environmental contamination. Keep away from drains, surface and ground water.			

Section 9. Physical and Chemical Properties

Physical State	Liquid
Color	Colorless
Odor	Orange
Odor Threshold	N.D.
Solubility	N.D.
Partition coefficient Water/n-octanol	N.D.
VOC%	N/A
Viscosity	N.D.
Specific Gravity	N/A
Density lbs/Gal	0.99
Pounds per Cubic Foot	N/A
Flash Point	N.D.
FP Method	N.D.
pH	11.7 – 12.1
Melting Point	N.D.
Boiling Point	N.D.
Boiling Range	N.D.
LEL	N/A
UEL	N/A
Evaporation Rate	N.D.
Flammability	Not relevant

Decomposition Temperature	N.D.
Auto-ignition Temperature	N.D.
Vapor Pressure	N.D.
Vapor Density	N.D.

Section 10. Stability and Reactivity

Reactivity:	Concerning incompatibility: see below "Conditions to avoid" and "Incompatible materials".
Chemical stability:	See below "Conditions to avoid".
Possibility of hazardous reactions:	No known hazardous reactions.
Conditions to avoid:	There are no specific conditions known which have to be avoided.
Incompatible materials:	There is no additional information.
Release of flammable materials with:	Light metals (due to the release of hydrogen in an acid/alkaline medium).
Hazardous decomposition products:	Reasonably anticipated hazardous decomposition products produced as a result of use, storage, spill and heating are not known. Hazardous combustion products: see section 5.

Section 11. Toxicological Information

Information on toxicological effects:	Test data are not available for the complete mixture. Classification procedure: The method for classification of the mixture is based on ingredients of the mixture (additivity formula).
Acute toxicity:	Shall not be classified as acutely toxic.
Acute toxicity estimate (ATE) of components of the mixture:	Tetrasodium EDTA CAS-No. 64-02-8 Oral (ATE): 1,913 mg/kg
Skin corrosion/irritation:	Causes severe skin burns and eye damage.
Serious eye damage/irritation:	Causes serious eye damage.
Respiratory or skin sensitization:	Shall not be classified as a respiratory or skin sensitizer.
Germ cell mutagenicity:	Shall not be classified as germ cell mutagenic.
Carcinogenicity:	Shall not be classified as carcinogenic.
Reproductive toxicity:	Shall not be classified as a reproductive toxicant.
Specific target organ toxicity - single exposure:	Shall not be classified as a specific target organ toxicant (single exposure).
Specific target organ toxicity - repeated exposure:	Shall not be classified as a specific target organ toxicant (repeated exposure).
Aspiration hazard:	Shall not be classified as presenting an aspiration hazard.

Section 12. Ecological Information

Toxicity:	Harmful to aquatic life.
Aquatic toxicity (acute) of components of the mixture:	Tetrasodium EDTA CAS-No. 64-02-8 LC50: 41 mg/l (fish) 96 h EC50: 140 mg/l (aquatic invertebrates) 48 h
Persistence and degradability:	N.A.
Bioaccumulative potential:	N.A.
Mobility in soil:	N.A.
Results of PBT and vPvB Assessment:	N.A.
Endocrine disrupting properties:	None of the ingredients are listed.
Other adverse effects:	N.A.

Section 13. Disposal

Sewage disposal-relevant information:	Do not empty into drains. Avoid release to the environment. Refer to special instructions/safety data sheets.
Waste treatment of containers/packages:	Completely emptied packages can be recycled. Handle contaminated packages in the same way as the substance itself.
Remarks:	Please consider the relevant national or regional provisions. Waste shall be separated into the categories that can be handled separately by the local or national waste management facilities.

Section 14. Transport Information

UN Number	N/A
UN Proper Shipping Name	Not Regulated
DOT Classification	Not Regulated
Packing Group	Not Regulated
IMDG:	Not Regulated
IATA:	Not Regulated

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. No. 1839-220-37549

CAUTION: Causes moderate eye irritation. Avoid contact with eyes, skin or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet.

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.
State Regulations:	N.A.

Section 16. Other Information

Revision Date 12/6/2022

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

HMIS (U.S.A.): Health Hazard 3

HMIS (U.S.A.): Flammability 0

HMIS (U.S.A.): Physical Hazard 0

National Fire Protection Association (U.S.A): Health Hazard 3

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

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