



Safety Data Sheet

Micro-Kill Disinfectant Wipes

Section 1. Identification

Product Identifier	Micro-Kill Disinfectant Wipes		
Synonyms	MSC351201; MSCX351201; MSC351221; MSC351231; MSD_SDS0164		
Manufacturer Stock Numbers	MSC351201; MSCX351201; MSC351221; MSC351231		
Recommended use	N/A		
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	HAZARDOUS TO THE AQUATIC ENVIRONMENT - ACUTE HAZARD - Category 2 HAZARDOUS TO THE AQUATIC ENVIRONMENT - LONG-TERM HAZARD - Category 3 SERIOUS EYE DAMAGE /EYE IRRITATION - Category 2B
Signal Word	Warning
Pictogram	

Hazard Statements	Causes eye irritation Harmful to aquatic life with long lasting effects Toxic to aquatic life
Precautionary Statements	
Response	If eye irritation persists: Get medical advice/attention. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Prevention	Avoid release to the environment Wash thoroughly after handling.
Storage	Store away from incompatible materials.
Disposal	Dispose of contents/container in accordance with local/regional/national /international regulations.

Ingredients of unknown toxicity 0%

Hazards not Otherwise Classified

None known.

Section 3. Ingredients

CAS	Ingredient Name	Weight %
64-02-8	Tetra sodium ethylenediamine tetra 64-02-8 acetic acid (Na ₄ EDTA)	1% - 3%
68391-01-5	Alkyl dimethyl benzyl ammonium chloride	0.105 %
85409-23-0	Alkyl Dimethyl Ethyl Benzyl Ammonium Chloride	0.105 %

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:	Wash off with soap and water. Get medical attention if irritation develops and persists.
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. If eye irritation persists: Get medical advice/attention.
Ingestion:	Rinse mouth. Get medical attention if symptoms occur.
Most important symptoms and effects, both acute and delayed:	Exposed individuals may experience eye tearing, redness, and discomfort.
General Information:	Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

Section 5. Fire Fighting Measures

Suitable Extinguishing Media	Water fog. Foam. Dry chemical powder. Carbon dioxide (CO2).
Unsuitable Extinguishing Media	Do not use water jet as an extinguisher, as this will spread the fire.
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:	Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Wear appropriate protective equipment and clothing during clean-up. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained.
Methods and materials for containment and cleaning up:	<p>Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Cover with plastic sheet to prevent spreading. Absorb in vermiculite, dry sand or earth and place into containers. Prevent product from entering drains. Following product recovery, flush area with water.</p> <p>Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.</p> <p>Never return spills to original containers for re-use.</p>
Environmental precautions:	Avoid release to the environment. Contact local authorities in case of spillage to drain/aquatic environment. Prevent further leakage or spillage if safe to do so. Do not contaminate water. Avoid discharge into drains, water courses or onto the ground.

Section 7. Handling and Storage

Precautions for safe handling:	Avoid contact with eyes. Avoid prolonged exposure. Provide adequate ventilation. Wear appropriate personal protective equipment. Observe good industrial hygiene practices. Avoid release to the environment. Do not empty into drains.
Conditions for safe storage, including any incompatibilities:	Store in original tightly closed container.

Section 8. Exposure Controls/Personal Protection

Occupational Exposure Limits	Ingredient Name	ACGIH TLV	OSHA PEL	STEL
	Tetra sodium ethylenediamine tetra 64-02-8 acetic acid (Na4 EDTA)	N/A	N/A	N/A
	Alkyl dimethyl benzyl ammonium chloride	N/A	N/A	N/A
	Alkyl Dimethyl Ethyl Benzyl Ammonium Chloride	N/A	N/A	N/A
Personal Protective Equipment	Goggles, Gloves			
Biological limit values:	No biological exposure limits noted for the ingredient(s).			
Appropriate engineering controls:	Ensure adequate ventilation, especially in confined areas. Eye wash facilities and emergency shower must be available when handling this product.			
Hand protection:	Wear protective gloves.			
Other protective equipment:	Wear suitable protective clothing.			
Respiratory protection:	In case of insufficient ventilation, wear suitable respiratory equipment.			
Thermal Hazards:	Wear appropriate thermal protective clothing, when necessary.			
General Hygiene Considerations:	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	Liquid saturated on wipe.
Odor	N.A.
Odor Threshold	N.A.
Solubility	N.A.
Partition coefficient Water/n-octanol	N.D.
VOC%	N/A
Viscosity	N.A.
Specific Gravity	1
Density lbs/Gal	8.38
Pounds per Cubic Foot	N/A
Flash Point	>201°F (>93.9°C)
FP Method	N.D.
pH	11.7
Melting Point	N.A.
Boiling Point	N.A.
Boiling Range	N.A.
LEL	N/A
UEL	N/A
Evaporation Rate	N.A.
Flammability	N.A.

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

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:	No dangerous reaction known under conditions of normal use.
Conditions to avoid:	Avoid temperatures exceeding the flash point. Contact with incompatible materials.
Incompatible materials:	Strong acids, alkalies and oxidizing agents.
Hazardous decomposition products:	Upon decomposition, this product may yield oxides of nitrogen and ammonia, carbon dioxide, carbon monoxide and other low molecular weight hydrocarbons.

Section 11. Toxicological Information

Information on likely routes of exposure:	Inhalation: Prolonged inhalation may be harmful.
	Skin contact: Causes mild skin irritation.
	Eye contact: Causes eye irritation.
	Ingestion: Expected to be a low ingestion hazard.
Symptoms related to the physical, chemical and toxicological characteristics:	Exposed individuals may experience eye tearing, redness, and discomfort.
Acute Toxicity:	Not available.
Skin corrosion/irritation:	Causes mild skin irritation.
Serious Eye Damage/Eye irritation:	Causes eye irritation.
Respiratory sensitization:	Not available.
Skin sensitization:	This product is not expected to cause skin sensitization.
Germ cell Mutagenicity:	No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.
Carcinogenicity:	This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.
Reproductive toxicity:	This product is not expected to cause reproductive or developmental effects.
Specific Target Organ Toxicity - Single exposure:	N.A.

Specific Target Organ N.A.
Toxicity - Repeated exposure:
Aspiration hazard: N.A.

Section 12. Ecological Information

Ecotoxicity: Toxic to aquatic life. Harmful to aquatic life with long lasting effects.
Persistence and degradability: N.A.
Bioaccumulative potential: No data available.
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: Dispose of contents/container in accordance with local/regional/national /international 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: Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).
Contaminated packaging: Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied.

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 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: 1839-174-37549
	Signal word: CAUTION
	Hazard statement: Causes moderate eye irritation.
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 11/18/2022

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.