

Safety Data Sheet

Section 1: Identification

Product Identifier:

Product Number: 574511

Distributor Number: 333347

Other Means of Identification:

Product Name: Merit²² Disinfectant Cleaner

Recommended Use of the Chemical and Restrictions on Use:

Product Use: Disinfectant Concentrate

Supplier's Details:

Distributor Name: North American Corporation of Illinois

Distributor Address: 2101 Claire Court

Glenview, IL 60025

Emergency Phone Number: 1-800-535-5053 Infotrac 24 hours

Section 2: Hazard Identification

GHS Classification:

Health		Environmental	Physical
Acute Toxicity: Oral	Not Classified	Acute Toxicity: Category 2	Not Classified
Skin Corrosion/Irritation:	Category 1	Chronic Toxicity: Not Classified	
Serious Eye Damage/Eye Irritation:	Category 1		

GHS Label Elements:

Signal Word:

Danger

Pictogram:



Hazard Statements:

H314: Causes severe skin burns and eye damage.

H318: Causes serious eye damage.

H401: Toxic to aquatic life.

Precautionary Statements:

Prevention:	Response:
P260: Do not breathe spray. P264: Wash hands thoroughly after handling. P280: Wear glasses or goggles as needed to prevent exposure to eyes. P273: Avoid release to the environment.	P303 + P361 + P353: IF ON SKIN (or hair): Remove immediately all contaminated clothing. Rinse skin with water. P305 + P351 + P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P301 + P330 + P331: IF SWALLOWED: Rinse mouth. DO NOT induce vomiting. P304 + P340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. P310: Immediately call a POISON CENTER or doctor. P321: Specific treatment: Remove from exposure and treat symptoms.
Storage:	Disposal:
P405: Store locked up.	P501: Dispose of contents in accordance with local, regional, or national regulation.

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Hazard(s) Not Otherwise Classified (HNOC): Not Classified

Section 3: Composition/Information on Ingredients

Chemical Name	CAS #	%
Quaternary Ammonium Chloride	68391-01-5/ 85409-23-0	1 - 5
Nonylphenoxypolyethoxethanol	68412-54-4	1 - 5
Sodium Carbonate	497-19-8	1 - 5
Ethanol	64-17-5	0.1 - 1

*Designates that a specific chemical identity and/or percentage of composition has been withheld as a trade secret.

Section 4: First-Aid Measures

Inhalation:	Mists and vapors can irritate the throat and respiratory tract. High vapor concentrations may cause central nervous system effects. Symptoms may include headaches, dizziness, drowsiness and death. If symptoms are experienced, move victim to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. Call a poison center or doctor for further treatment advice.
Skin Contact:	Causes irritation and/or corrosive burns. Brief exposure may cause irritation and defatting of the skin. Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for further treatment advice.
Eye Contact:	Causes irritation and/or burns and may result in permanent injury to eyes including blindness. Immediately flush eyes with water for 15-20 minutes, while holding eyelids open. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Seek medical attention at once.
Ingestion:	Although of moderate to low toxicity, ingestion can cause gastrointestinal irritation, nausea, vomiting and diarrhea, and death. Call a poison control center or doctor immediately for further treatment advice. Have person sip a glass of water if able to swallow. Do NOT induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.

Most Important Symptoms and Effects, Both Acute and Delayed:

Symptoms: Causes burns to the eyes and skin.

Note to Physicians: Probable mucosal damage may contraindicate the use of gastric lavage.

Section 5: Fire-Fighting Measures

Suitable Extinguishing Media:	Dry chemical, foam, carbon dioxide or water fog. Solid water streams may spread burning liquid.
Unsuitable Extinguishing Media:	None known.
Specific Hazards Arising from the Chemical:	Irritating and toxic gases or fumes may be released during a fire. Combustion products are toxic.
Protective Equipment for Firefighters:	Firefighters should wear full protective clothing including self-contained breathing apparatus. Cool fire exposed containers with spray.

Section 6: Accidental Release Measures

Personal Precautions, Protective Equipment and Emergency Procedures:

Emergency Action:	Put on appropriate personal protective equipment. See Section 8 of this SDS. Isolate spill or leak area immediately. Keep unauthorized personnel away. Stay upwind. Keep out of low areas where vapors may accumulate.
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- For Emergency Responders:** Put on appropriate personal protective equipment. See Section 8 of this SDS.
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Ventilate closed spaces before entering. Do not touch or walk through spilled material. Stop leak if you can do it without risk. A vapor suppressing foam may be used to reduce vapors. Prevent entry into waterways, sewers, basements or confined areas. Absorb or cover with dry earth, sand or other non-combustible material and transfer to containers. Use clean non-sparking tools to collect absorbed material.
- Spill Cleanup:**
- Large Spills:** Dike far ahead of liquid spill for later disposal. Water may reduce vapor but will increase foaming. Water may not prevent ignition in closed spaces.
- Environmental Precautions:** Prevent product from entering sewers, drains, or open waterways.

Section 7: Handling and Storage

- Handling:** Avoid contact with skin and eyes. Use appropriate hygiene methods when handling product. Wash hands before eating, drinking, smoking, or using toilet facilities. Wash thoroughly after work using soap and water.
- Storage:** Keep the container tightly closed and in a cool, well-ventilated place. Keep from freezing. Do not handle or store near an open flame, heat or other sources of ignition. Prevent electrostatic charge buildup by using common grounding techniques. Keep out of reach of children.

Section 8: Exposure Controls/Personal Protection

- | Exposure Limits: | Component | ACGIH
TWA | OSHA
PEL |
|------------------|------------|--------------|-------------|
| | None Known | | |
- Engineering Controls:** Provide adequate local exhaust ventilation (explosion proof) to maintain worker exposure below exposure limits.
- Personal Protection Equipment (PPE):**
- Eye Protection:** Use chemical splash goggles or glasses as necessary to prevent contact.
- Skin Protection:** Rubber, nitrile, PVC or other chemically resistant skin protection to prevent contact.
- Respiratory Protection:** Avoid breathing concentrated vapors. Use only in well ventilated areas. If exposure limits are exceeded or if irritation is experienced, a NIOSH/MSHA approved respiratory with organic-vapor removing cartridge with a prefilter approved for pesticides should be worn. Ventilation and other forms of engineering controls are often the preferred means for controlling chemical exposures. respiratory protection may be needed for non-routine or emergency situations.

Section 9: Physical and Chemical Properties

- | | | | |
|--------------------------------------|---|--|-------------------|
| Appearance: | Dark Purple Liquid | Flammability: | Not Applicable |
| Odor: | Floral | Upper Flammability: | Not Applicable |
| Odor Threshold: | Not Available | Lower Flammability: | Not Applicable |
| pH (concentrate): | 11.0 - 11.5 | Vapor Pressure: | Not Available |
| Melting Point/Freezing Point: | Approximately 32°F | Vapor Density: | Not Available |
| Boiling Point: | Approximately 212°F | Relative Density: | 1.00 |
| Boiling Range: | Not Available | Solubility: | Complete in water |
| Flash Point: | >200 °F (>100 °C)
Pensky Martin Closed Cup | Partition coefficient: n-octanol/water: | Not Available |

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Evaporation Rate: Not Available
Auto-ignition Temperature: Not Applicable
Decomposition Temperature: Not Available
Viscosity: Water thin

Section 10: Stability and Reactivity

Reactivity: Not reactive under normal conditions.
Chemical Stability: Stable under normal conditions.
Conditions to Avoid: Keep from freezing. Keep away from heat and strong oxidizing agents.
Incompatible Materials: Strong oxidizing agents (may result in fire), reducing agents.
Hazardous Decomposition Products: Carbon monoxide, carbon dioxide and toxic chloride vapors.

Section 11: Toxicological Information

Likely Routes of Exposure:
Inhalation: Avoid breathing mists or vapors.
Ingestion: Do not drink or taste. May be harmful if swallowed.
Skin Contact: Causes skin burns.
Eye Contact: Causes eye damage.
Chronic Effects: None Known.

Toxicity (Acute):

Component	Oral LD50	Dermal LD50	Inhalation LC50
Quaternary Ammonium Chloride	500mg/kg	>2000mg/kg	Data Not Available
Nonylphenoxypolyethoxethanol	3310mg/kg (Rat)	>2000 mg/kg (Rabbit)	Data Not Available
Sodium Carbonate	4090 mg/kg	500mg/24hr (Rabbit)	800mg/m3 20hr (Guinea Pig)

Skin Corrosion/Irritation: Causes skin burns.
Serious Eye Damage/Irritation: Causes eye burns.
Respiratory or Skin Sensitization: Data Not Available.
Germ Cell Mutagenicity: Data Not Available.
Carcinogenicity: Data Not Available.
Reproductive Toxicity: Data Not Available.
STOT-Single Exposure: Data Not Available.
STOT-Repeated Exposure: Data Not Available.
Aspiration Hazard: Data Not Available.

Section 12: Ecological Information

Ecotoxicity:

Component	Fish	Aquatic Invertebrates	Aquatic Plants
Quaternary Ammonium Chloride	930ppb (96h Rainbow Trout)	5.8ppb (48h Daphnia)	Data Not Available
Nonylphenoxypolyethoxethanol	129mg/L (96h)	14mg/L (48h Daphnia)	Data Not Available
Sodium Carbonate	310 mg/L (96hr)	265 mg/L (48hr)	14mg/L 7 day

Persistence and Degradability: Not expected to persist.
Bioaccumulative Potential: Not expected to bioaccumulate.
Mobility in Soil: Not determined.
Other Adverse Effects: Toxic to aquatic life.

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Section 13: Disposal Considerations

Disposal of Wastes:

Although not a hazardous waste, the discarding or disposal of this material should be done at a properly permitted facility in accordance with the regulations of 40 CFR 262, 263, 264, and 268. Additionally, the discarding or disposal of the material may be further regulated by state, regional, or local regulations.

Container Disposal:

The transportation, storage, treatment and disposal of this waste material must be conducted in compliance with all applicable Federal, state, and local regulations. Dispose of in a licensed facility. Recommend crushing, puncturing or other means to prevent unauthorized use of used containers.

Section 14: Transport Information:

USDOT (Land Transport): Non-Hazardous

Section 15: Regulatory Information

U.S. Regulation:

Non Hazardous
All ingredients listed on the TSCA.

Registered Product Information:

EPA Registered

CERCLA:

None listed.

SARA Section 302:

None listed.

Sara Section 311/312:

Immediate (Acute) Health, Immediate Fire.

Sara Section 313: Toxic

Release Inventory Reporting:

None listed.

U.S. State Right to Know Regulations:

The following ingredients appear on various state right to know lists and/or California's Proposition 65 List:

Chemical Name	State List
Benzyl Chloride (trace <10ppm)	AZ, CA, CAP65C, CT, FL, ID, MA, MN, NJ, PA, RI
Ethanol < 0.5%	AZ, CA, CT, FL, ID, MA, MN, NJ, PA, RI

AZ- Arizona Ambient Air Quality Guidelines
CT- Connecticut Hazardous Air Pollutants
CA- California Director's List of Hazardous Substances
CAP65C- California Prop65 Carcinogen
FL- Florida Substances List
ID- Idaho Non-Carcinogen Toxic Air Pollutants

IL- Illinois Toxic Air Contaminate- Carcinogenic
MA- Massachusetts Right to Know List
MN- Minnesota Hazardous Substances List
NJ- New Jersey Right to Know List
PA- Pennsylvania Right to Know List
RI- Rhode Island Hazardous Substances List

FIFRA Label Information:

This chemical is a pesticide product registered by the United States Environmental 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. The pesticide label also includes other important information, including directions for use.

Danger
Corrosive
Causes irreversible eye damage and skin burns.
Harmful if swallowed or absorbed through the skin.

This product is toxic to fish and aquatic invertebrates.

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Section 16: Other Information

Issue Date: 6/27/2013
Revision Date: 6/27/2013
Revision Note: New Format- GHS - Version 1
Manufacturer: Midlab, Inc.
Address: 140 Private Brand Way
Athens, TN 37303

HMIS Rating **Health: 3 Flammability: 0 Reactivity: 0**

HMIS uses a numbering scale ranging from 0 to 4 to indicate the degree of hazard. A value of zero means that the substance possesses essentially no hazard; a rating of four indicates high hazard.

Key to Abbreviations:

ACGIH:	American Conference of Governmental Industrial Hygienists
TWA:	Time Weighted Average
OSHA:	Occupational Safety and Health Administration
PEL:	Permissible Exposure Limits
NIOSH:	National Institute of Occupational Safety and Health
SARA:	Superfund Amendments and Reauthorization Act of 1986
CERCLA:	Comprehensive Environmental Response, Compensation, and Liability Act
TSCA:	Toxic Substances Control Act

* Indicates information that has changed from a previously issued version.

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Keep Out of Reach of Children. For Industrial and Institutional Use Only.

End of Safety Data Sheet