

Issue Date 08-Aug-2011

Revision/Review Date: 22-Jun-2022

Version 1.5

1. IDENTIFICATION

Product Identifier

Product Name Maxim Hi-Q Disinfectant

Other Means of Identification

Product Code 651700

Recommended Use of the Chemical and Restrictions on Use

Recommended Use Disinfectant concentrate. For industrial & institutional use.

Details of the Supplier of the Safety Data Sheet

Midlab, Inc.
140 Private Brand Way
Athens, TN 37303

Emergency Telephone Number

Company Phone Number Phone: 1-423-337-3180
Emergency Telephone (24 hr) INFOTRAC 1-352-323-3500 (International)
1-800-535-5053 (North America)

2. HAZARDS IDENTIFICATION

Appearance Blue

Physical State Liquid

Odor Floral

Classification

Acute toxicity: oral	Category 4
Acute Toxicity: dermal	Category 4
Skin Corrosion/Irritation	Category 1 Sub-category B
Serious Eye Damage/Eye Irritation	Category 1

Signal Word

Danger



Hazard Statements

Harmful if swallowed.
Harmful in contact with skin.
Causes severe skin burns and eye damage.

Precautionary Statements - Prevention

Do not get in eyes, on skin or in clothing.
Wash face, hands and any exposed skin thoroughly after handling.
Do not eat, drink or smoke when using this product.
Wear protective gloves, eye, face and foot protection.

Precautionary Statements – Response

IF IN EYES: 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.
IF ON SKIN (or hair): Remove immediately all contaminated clothing. Rinse skin with water. Wash contaminated clothing before reuse.
IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Call a POISON CENTER or doctor/physician if you feel unwell.
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
SPECIFIC TREATMENT: Remove from exposure and treat symptoms.

Precautionary Statements - Storage

Keep container tightly closed. Keep only in original container.

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant.

Other Hazards

None known.

Unknown Acute Toxicity

None known.

Product AT USE DILUTION

GHS Classification: Serious Eye Damage/Eye Irritation-Category 2 Sub-category B

Signal Word: Warning

Pictogram: None

Hazard Statements: Causes eye irritation.

Prevention: Wash affected areas thoroughly after handling.

Response: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention.

Disposal: No other specific measures identified.

Other Hazards: None known.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No	Weight-%
Alkyl Dimethyl Benzyl Ammonium Chloride	68424-85-1	7-9
Octyl Decyl Dimethyl Ammonium Chloride	32426-11-2	6-8
Diocetyl Dimethyl Ammonium Chloride	5538-94-3	3-5
Didecyl Dimethyl Ammonium Chloride	7173-51-5	3-5
Tetrasodium EDTA	64-02-8	3-7
Alcohols, C9-11, Ethoxylated	68439-46-3	1-5

**If Chemical Name/CAS No is "proprietary" and/or Weight-% is listed as a range, the specific chemical identity and/or percentage of composition has been withheld as a trade secret. **

Product AT USE DILUTION

No hazardous ingredients in reportable quantities are present in the product.

4. FIRST-AID MEASURES**First Aid Measures****Eye Contact**

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.

Skin Contact

Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Seek medical attention if irritation develops or persists.

Inhalation

If symptoms are experienced, move victim to fresh air. Seek medical attention if respiratory irritation develops or if breathing becomes difficult.

Ingestion

Do NOT induce vomiting. Do not give anything by mouth to an unconscious person. Rinse mouth with water. Seek medical attention.

Most Important Symptoms and Effects**Symptoms**

Causes burns to the eyes and skin.

Indication of Any Immediate Medical Attention and Special Treatment Needed**Notes to Physician**

Treat symptomatically. Probable mucosal damage may contraindicate the use of gastric lavage.

Product AT USE DILUTION

Eye Contact: Rinse with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation persists.

Skin Contact: Rinse with water for a few minutes. Get medical attention if irritation persists.

Inhalation: No special measures required. Treat symptomatically.

Ingestion: Get medical attention if symptoms occur.

5. FIRE-FIGHTING MEASURES**Suitable Extinguishing Media**

Water spray (fog). Carbon dioxide (CO2). Water. Foam.

Unsuitable Extinguishing Media

Not determined.

Specific Hazards Arising from the Chemical

Irritating and toxic gases or fumes may be released during a fire.

Hazardous Combustion Products

Carbon monoxide and carbon dioxide, and toxic chloride vapors.

Protective Equipment and Precautions for Firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES**Personal Precautions, Protective Equipment and Emergency Procedures****Personal Precautions**

Wear protective clothing as described in Section 8 of this safety data sheet.

Environmental Precautions

Prevent from entering into soil, ditches, sewers, waterways and/or groundwater. See Section 12, Ecological Information. See Section 13, Disposal Considerations, for additional information. See Section 12 for additional Ecological Information.

Methods and Material for Containment and Cleaning Up**Methods for Containment**

Prevent from spreading or entering drains, ditches, or rivers by using sand, earth, or other appropriate barriers.

Methods for Clean-Up

Contain and collect with an inert absorbent and place into an appropriate container for disposal. Rinse area with clean water and dry before permitting traffic.

Product AT USE DILUTION

Personal Precautions: Use personal protective equipment as required.

Environmental Precautions: Avoid contact of large amounts of spilled material and runoff with soil and surface waterways.

Methods for Clean Up: Use a water rinse for a final clean-up.

7. HANDLING AND STORAGE**Precautions for Safe Handling****Advice on Safe Handling**

Handle in accordance with good industrial hygiene and safety practice. Use personal protection recommended in Section 8. For industrial and commercial use only. Avoid contact with skin, eyes, or clothing.

Conditions for Safe Storage, Including Any Incompatibilities**Storage Conditions**

Keep container tightly closed and store in a cool, dry, and well-ventilated place. Protect from freezing. Keep out of the reach of children.

Incompatible Materials

None known based on information supplied.

Product AT USE DILUTION

Handling and Storage: Wash thoroughly after handling. Keep out of reach of children.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Not reportable	-	-	-

Appropriate Engineering Controls

Engineering Controls Ensure adequate ventilation, especially in confined areas. Good general room ventilation should be adequate under normal conditions.

Individual Protection Measures, such as Personal Protective Equipment

Eye/Face Protection Eye protection should be used when splashing may occur.

Skin and Body Protection Wear protective gloves when handling this product.

Respiratory Protection Under normal conditions, respirator is not normally required. Avoid breathing vapors.

General Hygiene Considerations Handle in accordance with good industrial hygiene and safety practice.

Product AT USE DILUTION

Engineering Controls: Good general room ventilation should be adequate.

Eye Protection: No personal protective equipment is required under normal use conditions.

Skin and Body Protection: No personal protective equipment is required under normal use conditions.

Respiratory Protection: No protective equipment is needed under normal use conditions.

General Hygiene Considerations: Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on Basic Physical and Chemical Properties

Physical State	Liquid	Odor	Floral
Appearance	Clear	Odor Threshold	Not determined
Color	Blue		

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
pH (concentrate)	6.0-6.5	
Melting Point/Freezing Point	Approximately 32°F	
Boiling Point/Boiling Range	Approximately 212°F	
Flash Point	>210°F (>99°C)	
Evaporation Rate	Not determined	Pensky Martin Closed Cup
Flammability (Solid, Gas)	Liquid-not applicable	
Upper Flammability Limits	Not applicable	
Lower Flammability Limit	Not applicable	
Vapor Pressure	Not determined	
Vapor Density	Not determined	
Specific Gravity	1.01	
Water Solubility	Completely soluble	
Solubility in other solvents	Not determined	
Partition Coefficient	Not determined	
Auto-ignition Temperature	Not determined	
Decomposition Temperature	Not determined	
Kinematic Viscosity	Not determined	
Dynamic Viscosity	Not determined	
Explosive Properties	Not an explosive	
Oxidizing Properties	Not determined	

Product AT USE DILUTION
Physical State: Liquid
Color: Light blue to colorless
Odor: Floral
pH: 6.5-7.0

10. STABILITY AND REACTIVITY

Reactivity

Not reactive under normal conditions.

Chemical Stability

Stable under recommended storage conditions.

Possibility of Hazardous Reactions

None under normal processing.

Hazardous Polymerization

Hazardous polymerization does not occur.

Conditions to Avoid

Keep out of reach of children. 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

Thermal decomposition may produce carbon monoxide, carbon monoxide, and toxic chloride vapors.

11. TOXICOLOGICAL INFORMATION

Information on Likely Routes of Exposure

Product Information

Eye Contact Avoid contact with eyes.
Skin Contact Avoid contact with skin.
Inhalation Avoid breathing vapors or mists.
Ingestion Do not taste or swallow.
Chronic Effects Ingestion of ethanol by pregnant women can cause reproductive toxicity to the fetus.

Product AT USE DILUTION
Causes eye irritation.
No data available for the teratogenicity, mutagenicity, or reproductive toxicity of this product. No data available to designate the product as causing specific target organ toxicity through repeated exposure. No data available to designate product as an aspiration hazard.
Information on likely routes of exposure:
Eye contact: Causes eye irritation. Symptoms may include irritation, watering, redness.
Skin contact: No known significant effects or critical hazards.
Ingestion: No known significant effects or critical hazards.
Inhalation: No known effects.

Component Information

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Product as a whole	809 mg/kg	> 2000mg/kg	-

Information on Physical, Chemical and Toxicological Effects

Symptoms Please see section 4 of this SDS for symptoms.

Delayed and Immediate Effects as well as Chronic Effects from Short and Long-Term Exposure

Carcinogenicity This product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP.

Numerical Measures of Toxicity

Not determined

Product AT USE DILUTION			
Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Product as a whole	> 5000 mg/kg	>52000mg/kg	-

12. ECOLOGICAL INFORMATION

Ecotoxicity

Component Information

Chemical Name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
Quaternary Ammonium Chlorides Blend	-	320µg/L (96hr)	-	94µg/L (48hr)
Tetrasodium EDTA 64-02-8	-	>500mg/L (96hr)	>100mg/L	>100mg/L (48hr)

Persistence/Degradability

Not expected to persist.

Bioaccumulation

Not expected to bioaccumulate.

Mobility

Not determined

Other Adverse Effects

Not determined

13. DISPOSAL CONSIDERATIONS

Waste Treatment Methods

Disposal of Wastes

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.

Contaminated Packaging

Disposal should be in accordance with applicable regional, national, and local laws and regulations.

Product AT USE DILUTION	
Waste treatment methods Disposal of Wates:	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.
Product disposal: Packaging:	Diluted product can be flushed to sanitary sewer Discard empty container in trash or offer for recycling

14. TRANSPORT INFORMATION

Note Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances.

DOT UN1903, Disinfectant Liquid Corrosive, NOS (Quaternary Ammonium Compound), 8, PGIII
 49 CFR §173.154 (Exemption)*: This product can ship as a "Limited Quantity" if packaged containers < 1.3 gallons. (Non-Hazardous).

IATA

IMDG

Product AT USE DILUTION
Not intended for transport.

15. REGULATORY INFORMATION

International Inventories
 Canada – Domestic Substances List (DSL) All ingredients are listed or exempt.
 TSCA (Toxic Substances Control Act) All ingredients are listed or exempt.

Legend:
TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

US Federal Regulations

CERCLA
 None Listed

SARA 311/312 Hazard Categories
 Immediate (Acute) Health, Delayed (Chronic) Health, Immediate Fire.

SARA 313
 Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

CWA (Clean Water Act)
 None known.

US State Regulations
 None known

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
None listed	-

- | | |
|--|---|
| AZ- Arizona Ambient Air Quality Guidelines
CT- Connecticut Hazardous Air Pollutants
CA- California Director's List of Hazardous Substances
CAP65- California Prop65
FL- Florida Substances List
ID- Idaho Non-Carcinogen Toxic Air Pollutants | IL- Illinois Toxic Air Contaminant- 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, inhaled or absorbed through the skin.

This product is toxic to fish and aquatic invertebrates.

16. OTHER INFORMATION

NFPA**Health Hazards**

Not determined

Flammability

Not determined

Instability

Not determined

Special Hazards

Not determined

HMIS**Health Hazards**

3

Flammability

0

Physical Hazards

0

Personal Protection

Not determined

Product AT USE DILUTION

Health Hazard: 1

Flammability: 0

Physical Hazards: 0

Personal Protection: Not determined

Issue Date

08-Aug-2011

Revision/Review Date:

24-Jun-2022

Revision Note

Version 1.5

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information, and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal, and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

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

*Denotes changes from last version.

End of Safety Data Sheet