



# Safety Data Sheet

Issue Date 08-Aug-2011

Revision/Review Date: 20-Aug-2020

Version 1.4

## 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 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-%
Water	7732-18-5	60-100
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
Nonylphenoxypolyethoxyethanol	68412-54-4	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 (equivalent to outdoors) should be adequate under normal conditions. Eyewash stations. Showers.

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

<b>Physical State</b>	Liquid	<b>Odor</b>	Floral
<b>Appearance</b>	Clear	<b>Odor Threshold</b>	Not determined
<b>Color</b>	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)	Pensky Martin Closed Cup
Evaporation Rate	Not determined	
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	



Product as a whole	809 mg/kg	> 2000mg/kg	-
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**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)
Nonylphenoxypolyethoxyethanol 68412-54-4	-	129mg/L (96hr)	-	14mg/L (48hr)
Citric Acid 77-92-9	-	404-706mg/L	-	-

**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:**

Diluted product can be flushed to sanitary sewer

**Packaging:**

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)  
TSCA (Toxic Substances Control Act)

All ingredients are listed or exempt.  
All ingredients are listed or exempt.

**Legend:**

*TSCA - United States Toxic Substances Control Act Section 8(b) Inventory*  
*DSL/NDL - 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

IL- Illinois Toxic Air Contaminant- Carcinogenic  
MA- Massachusetts Right to Know List

CA- California Director's List of Hazardous Substances  
 CAP65- California Prop65  
 FL- Florida Substances List  
 ID- Idaho Non-Carcinogen Toxic Air Pollutants

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**

<b>NEPA</b>	<b>Health Hazards</b>	<b>Flammability</b>	<b>Instability</b>	<b>Special Hazards</b>
	Not determined	Not determined	Not determined	Not determined
<b>HMIS</b>	<b>Health Hazards</b>	<b>Flammability</b>	<b>Physical Hazards</b>	<b>Personal Protection</b>
	3	0	0	Not determined

<b>Product AT USE DILUTION</b>
<b>Health Hazard: 1</b>
<b>Flammability: 0</b>
<b>Physical Hazards: 0</b>
<b>Personal Protection: Not determined</b>

<b>Issue Date</b>	08-Aug-2011
<b>Revision/Review Date:</b>	20-Aug-2020
<b>Revision Note</b>	Version 1.4 Updated Section 8 (Product at USE DILUTION)

**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**