



# Safety Data Sheet

Issue Date 21-Oct-2014

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Version 1.2

## 1. IDENTIFICATION

### Product Identifier

Product Name\* Maxim Facility

### Other Means of Identification

Product Code 046000

### 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 Colorless

Physical State Liquid

Odor None

### Classification

Acute toxicity: oral	Category 4
Skin Corrosion/Irritation	Category 1
Serious Eye Damage/Eye Irritation	Category 1
Aquatic Toxicity: Acute	Category 2

### Signal Word

Danger

### Hazard Statements

Harmful if swallowed.  
Causes severe skin burns and eye damage.  
Toxic to aquatic life.



### **Precautionary Statements - Prevention**

Do not breathe dusts or mists.  
Wash face, hands and any exposed skin thoroughly after handling.  
Do not eat, drink or smoke when using this product.  
Wear protective gloves/ protective clothing/ eye protection/ face protection.  
Avoid release to the environment.

### **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. Immediately call a POISON CENTER or doctor/physician.  
SPECIFIC TREATMENT: Remove from exposure and treat symptom

### **Precautionary Statements - Storage**

Store locked up.

### **Precautionary Statements - Disposal**

Dispose of contents/container in accordance with local, regional, and/or national regulations.

### **Other Hazards**

None known.

### **Unknown Acute Toxicity**

None known.

#### **Product AT USE DILUTION**

**GHS Classification: Not classified.**  
**Signal Word: No signal word**  
**Hazard Statements: No know significant effects or critical hazards.**  
**Prevention: Wash thoroughly after handling.**  
**Response: Get medical attention if symptoms appear.**  
**Disposal: No other specific measures identified.**  
**Other Hazards: May cause eye irritation.**

### **3. COMPOSITION/INFORMATION ON INGREDIENTS**

<b>Chemical Name</b>	<b>CAS No</b>	<b>Weight-%</b>
Water	7732-18-5	60-100
Hydrogen Peroxide	7722-84-1	5-10
Alkyl Dimethyl Benzyl Ammonium Chloride	68424-85-1	1-5
Octyl Decyl Dimethyl Ammonium Chloride	32426-11-2	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**

Causes 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.

##### **Skin Contact**

Causes corrosive burns. Brief exposure may cause irritation and defatting of the skin.  
Exposures not promptly washed off may lead to toxic effects similar to ingestion. Harmful if

absorbed through 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.

**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, and drowsiness. Harmful if inhaled. 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.

**Ingestion**

Ingestion can cause gastrointestinal irritation, nausea, vomiting and diarrhea and possibly death. Harmful if swallowed. 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****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:** May cause eye irritation. Rinse with water for a few minutes. If eye irritation persists: Get medical advice.

**Skin Contact:** May cause skin irritation. Rinse with water for a few minutes. If skin irritation persists: Get medical advice.

**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 (CO<sub>2</sub>). 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
Hydrogen Peroxide 7722-84-1	TWA: 1ppm	1.4 mg/m <sup>3</sup>	-

**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:** Wear glasses or goggles when exposure may occur.  
**Skin and Body:** Wear protective gloves when handling this product.  
**Respiratory Protection:** No protective equipment is needed under normal use conditions.  
**General Hygiene Considerations:** Handle in accordance with good industrial hygiene and safety practices.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

**Information on Basic Physical and Chemical Properties**

<b>Physical State</b>	Liquid	<b>Odor</b>	None
<b>Appearance</b>	Clear	<b>Odor Threshold</b>	Not determined
<b>Color</b>	Colorless		

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
pH (concentrate)	2.0-2.5	
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	1.02	
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: Colorless  
 Odor: None  
 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.

<b>Inhalation</b>	Avoid breathing vapors or mists.
<b>Ingestion</b>	Do not taste or swallow.
<b>Chronic Effects</b>	Ingestion of ethanol by pregnant women can cause reproductive toxicity to the fetus.

**Component Information**

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Hydrogen Peroxide 7722-84-1	= 1193 mg/kg	= 2000 mg/kg	-
Quaternary Ammonium Chlorides Blend	50-500 mg/kg (Rat)	> 2000 mg/kg (Rabbit)	= 0.054-0.51 mg/L

**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**

No specific data available.

**12. ECOLOGICAL INFORMATION****Ecotoxicity****Component Information**

Chemical Name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
Hydrogen Peroxide 7722-84-1	-	16.4 mg/L (fathead minnow 96hr)	-	2.4 mg/L (Daphnia 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**

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.

**Contaminated Packaging**

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

**14. TRANSPORT INFORMATION**

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

**DOT** Not regulated. (NOI 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 components 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*
- EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances*
- ENCS - Japan Existing and New Chemical Substances*
- IECSC - China Inventory of Existing Chemical Substances*
- KECL - Korean Existing and Evaluated Chemical Substances*
- PICCS - Philippines Inventory of Chemicals and Chemical Substances*

**US Federal Regulations**

**CERCLA**

None Listed

**SARA 311/312 Hazard Categories**

Immediate (Acute) Health, Delayed (Chronic) Health

**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
Hydrogen Peroxide 7722-84-1	NJ, MA, PA

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**

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

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

<b>Issue Date</b>	21-Oct-2014
<b>Revision Date:</b>	07-Oct-2015
<b>Revision Note</b>	Name change Version 1.2

**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**