

Issue Date 21-Dec-2016

Revision/Review Date: 21-Nov-2019

Version 1.2

1. IDENTIFICATION

Product Identifier

Product Name Maxim Facility +

Other Means of Identification

Product Code 046200

Recommended use of the Chemical and Restrictions on Use

Recommended Use Peroxide disinfectant. 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

Skin corrosion/irritation	Category 2
Serious eye damage/eye irritation	Category 1
Hazardous to aquatic environment acute toxicity	Category 3

Signal Word

Danger



Hazard Statements

Causes skin irritation.
Causes serious eye damage.
Harmful to aquatic life.

Precautionary Statements - Prevention

Do not breathe mist or spray.
Wash face, hands and any exposed skin thoroughly after handling.
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: Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash before reuse.
SPECIFIC TREATMENT: Remove from exposure and treat symptoms.

Precautionary Statements - Storage

No other specific measures identified.

Precautionary Statements - Disposal

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

Unknown Acute Toxicity

None known.

Product AT USE DILUTION*GHS Classification:** Not classified.**Signal Word:** No signal word.**Hazard Statements:** No known 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:** None known.**3. COMPOSITION/INFORMATION ON INGREDIENTS**

Chemical Name	CAS No	Weight-%
Water	7732-18-5	60-100
Propylene Glycol n-Propyl Ether	1569-01-3	7-13
Dodecylbenzenesulfonic Acid	68584-22-5	5-10
Alcohols, C6-C12, ethoxylated	68439-45-2	1-5
Hydrogen Peroxide	7722-84-1	1-5
Phosphoric Acid	7664-38-2	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**

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove and discard contact lenses. Seek immediate medical attention/advice.

Skin Contact

Irritating to skin; may cause burns on extended contact. Immediately flush skin with running water for 15 minutes. If irritation persists, get medical attention.

Inhalation

Accidental inhalation is not likely. Inhalation of concentrated vapors of this product may cause irritation or burns. If breathing becomes difficult, remove to fresh air. If discomfort persists, get medical attention.

Ingestion

May be harmful if swallowed. Immediately drink large amounts of water and seek medical attention. Do NOT induce vomiting.

Most Important Symptoms and Effects**Symptoms**

Contact with eyes may cause damage. Prolonged or repeated contact with skin may cause irritation.

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

Treat symptomatically.

Product AT USE DILUTION*Eye Contact:** May cause eye irritation. Rinse with water for a few minutes.**Skin Contact:** May cause skin irritation. Rinse with water for a few minutes.**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). Dry chemical. Foam.

Unsuitable Extinguishing Media

Not determined.

Specific Hazards Arising from the Chemical

This product contains hydrogen peroxide which could accelerate burning when involved in a fire.

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 Use personal protective equipment as required.

Environmental Precautions Avoid release to the environment.

Methods and Material for Containment and Cleaning Up

Methods for Containment Prevent further leakage or spillage if safe to do so.

Methods for Clean-Up Collect spillage. Collect in a clean, dry waste container for disposal. Dilute remaining residue with water.

***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 Wash thoroughly after handling. Use personal protection recommended in Section 8. Do not breathe dust/fume/gas/mist/vapors/spray.

Conditions for Safe Storage, Including Any Incompatibilities

Storage Conditions Keep containers tightly closed in a dry, cool and well-ventilated place. Keep locked up and out of reach of children. Keep only in original container. Keep from freezing.

Incompatible Materials Strong acids, strong bases, metals, salts, organics, reducing agents, dust and dirt.

***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 ³	
Phosphoric Acid 7664-38-2	STEL: 3 mg/m ³ TWA: 1 mg/m ³	TWA: 1 mg/m ³ (vacated) TWA: 1 mg/m ³ (vacated) STEL: 3 mg/m ³	IDLH: 1000 mg/m ³ TWA: 1 mg/m ³ STEL: 3 mg/m ³

Appropriate Engineering Controls

Engineering Controls Ventilation systems. Eyewash stations. Showers.

Individual Protection Measures, such as Personal Protective Equipment

Eye/Face Protection Splash goggles or safety glasses.

Skin and Body Protection Rubber, Nitrile, PVC, or other chemically resistant skin protection to prevent contact.

Respiratory Protection Ensure adequate ventilation, especially in confined areas.

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 Protection: 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 practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on Basic Physical and Chemical Properties

Physical State	Liquid	Odor	None
Appearance	Clear	Odor Threshold	Not determined
Color	Colorless		

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
pH	<1.0	
Melting Point/Freezing Point	Approximately 32°F	
Boiling Point/Boiling Range	Approximately 212 °F	
Flash Point	Not applicable	
Evaporation Rate	Not determined	
Flammability (Solid, Gas)	n/a-liquid	
Upper Flammability Limits	Not determined	
Lower Flammability Limit	Not determined	
Vapor Pressure	Not determined	
Vapor Density	Not determined	
Specific Gravity	1.04	
Water Solubility	Completely soluble	@ 25 °C (77 °F)
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 determined	
Oxidizing Properties	Not determined	

***Product AT USE DILUTION**

Physical State: Liquid
 Color: Colorless
 Odor: None
 pH: 2.5 – 3.5

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.

Conditions to Avoid

Keep out of reach of children. Keep from freezing.

Incompatible Materials

Strong acids, strong bases, metals, salts, organics, reducing agents, dust and dirt.

Hazardous Decomposition Products

Oxygen gas, carbon dioxide, carbon monoxide, hydrocarbons, or organic compounds may be formed during thermal decomposition.

11. TOXICOLOGICAL INFORMATION**Information on Likely Routes of Exposure****Product Information**

Eye Contact	May cause eye damage.
Skin Contact	May cause skin irritation.
Inhalation	Avoid breathing vapors or mists.
Ingestion	Do not taste or swallow.

Component Information

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Propylene Glycol n-Propyl Ether 1569-01-3	= 2504 mg/kg (Rat)	= 3350 mg/kg (Rabbit)	-
Dodecylbenzenesulfonic Acid 68584-22-5	= 1450 mg/kg (Rat)	> 2000 mg/kg (Rabbit)	-
Alcohols, C6-C12, ethoxylated 68439-45-2	= 5100 mg/kg (Rat)	= 1500 mg/kg (Rabbit)	> 3.2 mg/L (Rat) Acute 1 hour
Hydrogen Peroxide 7722-84-1	= 1193 mg/kg	= 2000 mg/kg	-
Phosphoric Acid 7664-38-2	= 1530 mg/kg (Rat)	= 2730 mg/kg (Rabbit)	> 850 mg/m ³ (Rat) 1 h

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 Not classifiable as a human carcinogen.

Numerical Measures of Toxicity

Not determined.

Unknown Acute Toxicity

None known.

***Product AT USE DILUTION**

No specific data available.

12. ECOLOGICAL INFORMATION

Ecotoxicity

An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

Chemical Name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
Dodecylbenzenesulfonic Acid 68584-22-5	= 47.3 mg/L (72hr) Algae	= 1.67 mg/L (96hr)	-	= 2.4 mg/L (48hr) Daphnia
Alcohols, C6-C12, ethoxylated 68439-45-2	-	-	-	= 9.2mg/L (48hr) Daphnia magna
Hydrogen Peroxide 7722-84-1	-	16.4 mg/L (fathead minnow 96hr)	-	2.4 mg/L (Daphnia 48hr)
Phosphoric Acid 7664-38-2	-	3 - 3.5: 96 h Gambusia affinis mg/L LC50	-	4.6: 12 h Daphnia magna mg/L EC50

Persistence/Degradability

Not determined

Bioaccumulation

Not determined

Mobility

Not determined

Other Adverse Effects

Not determined

13. DISPOSAL CONSIDERATIONS

Waste Treatment Methods

Disposal of Wastes

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

Contaminated Packaging

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

California Hazardous Waste Status

Chemical Name	California Hazardous Waste Status
Phosphoric Acid 7664-38-2	Corrosive

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)
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**

Chemical Name	Hazardous Substances RQs	CERCLA/SARA RQ	Reportable Quantity (RQ)
Dodecylbenzenesulfonic Acid 68584-22-5	1000 lb.	1000 lb.	RQ 1000 lb. final RQ RQ 453 kg final RQ
Phosphoric Acid 7664-38-2	5000 lb		RQ 5000 lb final RQ RQ 2270 kg final RQ

SARA 311/312 Hazard Categories

Immediate (Acute) Health, Delayed (Chronic) Health

SARA 313

None listed.

CWA (Clean Water Act)

Component	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances
Phosphoric Acid 7664-38-2	5000 lb			X

US State Regulations

None known.

U.S. State Right-to-Know Regulations

Chemical Name	State Lists
Hydrogen Peroxide 7722-84-1	NJ, MA, PA
Phosphoric Acid 7664-38-2	MA, NJ, 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 irritation.

This product is harmful to fish and aquatic invertebrates.

16. OTHER INFORMATION

<u>NFPA</u>	Health Hazards Not determined	Flammability Not determined	Instability Not determined	Special Hazards Not determined
<u>HMIS</u>	Health Hazards 2	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

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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