

Issue Date 10-May-2019

Revision/Review Date: 09-Apr-2021

Version 1.1

1. IDENTIFICATION

Product Identifier

Product Name Maxim Oxygen Boost

Other Means of Identification

Product Code 068200

Recommended use of the Chemical and Restrictions on Use

Recommended Use Oxygen additive. For industrial and 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 Colorless

Physical State Liquid

Odor None

Classification

Oxidizing liquid	Category 3
Acute toxicity – oral	Category 4
Acute toxicity – inhalation	Category 4
Skin corrosion/irritation	Category 2
Serious eye damage/eye irritation	Category 1
Specific target organ toxicity – single exposure – respiratory tract irritation	Category 3
Hazardous to the aquatic environment – acute hazard	Category 2
Hazardous to the aquatic environment – long-term hazard	Category 4

Signal Word

Danger

Hazard Statements

May intensify fire, oxidizer.
Harmful if swallowed.
Harmful if inhaled.
Causes skin irritation.
Causes serious eye damage.
May cause respiratory irritation.
Toxic to aquatic life.
May cause long lasting harmful effect to aquatic life.



Precautionary Statements - Prevention

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No Smoking.
Keep away from clothing and other combustible materials.
Avoid breathing fumes, mist or spray.
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.
Use only in a well-ventilated area.
Avoid release to the environment.

Precautionary Statements - Response

IF SWALLOWED: Rinse mouth do NOT induce vomiting. Immediately call a POISON CENTER/ or doctor/physician.

IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Wash skin with plenty of soap and water. Wash contaminated clothing before reuse.

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.

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.

SPECIFIC TREATMENT: Remove from exposure and treat symptoms.

IN CASE OF FIRE: Use water spray to extinguish.

Precautionary Statements - Storage

Store in a well-ventilated place. Keep container tightly closed. Store locked up.

Precautionary Statements - Disposal

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

Unknown Acute Toxicity

None known.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No	Weight-%
Hydrogen Peroxide	7722-84-1	15-40

**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. **

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	May cause burns on extended contact. Immediately flush skin with running water for 15 minutes. IF skin irritation persists: Get medical advice/attention. Remove all contaminated clothing and shoes and soak them in water to prevent risk of fire; do not allow to dry out until washed.
Inhalation	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	Harmful if swallowed. Immediately drink large amounts of water and seek medical attention. Do NOT induce vomiting. Never give anything by mouth to an unconscious person.

Most Important Symptoms and Effects

Symptoms Contact with eyes may cause damage.

Indication of Any Immediate Medical Attention and Special Treatment Needed

Notes to Physician Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

Water.

Unsuitable Extinguishing Media

Foam. Carbon dioxide (CO₂). Dry chemical. Fire blanket. Powder.

Specific Hazards Arising from the Chemical

This product contains hydrogen peroxide which is a strong oxidant and exothermically decomposes to water and large amounts of oxygen. Risk of explosion if exposed to fire. Do not allow run-off from firefighting to enter drains or water courses.

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 and then collect with non-combustible material (sand, earth, diatomaceous earth, vermiculite). Collect in a clean, dry waste container for disposal.

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 Organic solvents. Powdered metal salts. Metals. Reducing agents. Organic materials. Dirt. Bases. Alkaline solutions.

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	

Appropriate Engineering Controls

Engineering Controls Ventilation systems. Eyewash stations. Showers.

Individual Protection Measures, such as Personal Protective Equipment

Eye/Face Protection Tightly fitting safety goggles.

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.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on Basic Physical and Chemical Properties

Physical State	Liquid	Odor	Pungent
Appearance	Clear	Odor Threshold	Not determined
Color	Colorless		

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
pH	<2.0	
Melting Point/Freezing Point	Not determined	
Boiling Point/Boiling Range	Not determined	
Flash Point	Not applicable	
Evaporation Rate	Not determined	
Flammability (Solid, Gas)	Oxidizer	
Upper Flammability Limits	Not determined	
Lower Flammability Limit	Not determined	
Vapor Pressure	Not determined	
Vapor Density	Not determined	
Specific Gravity	1.15	
Water Solubility	Completely miscible	@ 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	

10. STABILITY AND REACTIVITY**Reactivity**

Reacts with copper, aluminum, zinc, and their alloys.

Chemical Stability

Stable under recommended storage conditions.

Possibility of Hazardous Reactions

Contamination from various metals or organic material may cause rapid decomposition of the hydrogen peroxide, resulting in oxygen gas release and buildup if not properly vented.

Conditions to Avoid

Keep out of reach of children. Avoid elevated temperatures. Direct heating, dirt, chemical contamination, sunlight UV or ionizing radiation.

Incompatible Materials

Organic solvents. Powdered metal salts. Metals. Redcing agents. Organic materials. Dirt. Bases. Alkaline solutions.

Hazardous Decomposition Products

Strong oxidant and exothermically decomposes to water and large amounts of oxygen.

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

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

Component Information

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
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Hydrogen Peroxide 7722-84-1	= 1193 mg/kg	= 2000 mg/kg	= 1434 ppm (Rat) (4hr)
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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**

Not classifiable as a human carcinogen.

Chemical Name	ACGIH	IARC	NTP	OSHA
Hydrogen Peroxide 7722-84-1	Group 3	A3		

Legend**ACGIH (American Conference of Governmental Industrial Hygienists)**

Group 3 components are "not classifiable as human carcinogens"

IARC (International Agency for Research on Cancer)

A3 components are "confirmed animal carcinogen with unknown relevance to humans"

Numerical Measures of Toxicity

Not determined.

Unknown Acute Toxicity

None known.

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
Hydrogen Peroxide 7722-84-1	1.38 mg/L (Skeletonema costatum 72hr)	16.4 mg/L (fathead minnow 96hr)	-	2.4 mg/L (Daphnia 48hr)

Persistence/Degradability

Readily biodegradable in both water and soil.

Bioaccumulation

Bioaccumulation is unlikely.

Mobility

Can be leached out from soil.

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.

14. TRANSPORT INFORMATION**Note**

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

DOT

UN 2014, Hydrogen Peroxide, Aqueous Solutions (with 30-33% Hydrogen Peroxide), 5.1, (8), PG II

IATA

IMDG**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**

Chemical Name	Hazardous Substances RQs	CERCLA/SARA RQ	Reportable Quantity (RQ)
Hydrogen Peroxide 7722-84-1	1000 lb	1000 lb	RQ 1000 lb final RQ RQ 454.0 kg final RQ

SARA 311/312 Hazard Categories

Acute Health Hazard

Yes

Fire Hazard

Yes

SARA 313

None known.

CWA (Clean Water Act)

None known.

US State Regulations

None known.

U.S. State Right-to-Know Regulations

Chemical Name	State Lists
Hydrogen Peroxide 7722-84-1	NJ, MA, PA, RI

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

16. OTHER INFORMATION

<u>NFPA</u>	Health Hazards 3	Flammability 0	Instability 2	Special Hazards Oxidizer
<u>HMIS</u>	Health Hazards 3	Flammability 0	Physical Hazards 2	Personal Protection Not determined

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Revision Note Version 1.1 Updated product name and Section 3.

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