



# SAFETY DATA SHEET

US OSHA Hazard Communication Standard (29 CFR 1910.1200) and Canada WHMIS 2015 which includes the amended Hazardous Products Act (HPA) and the Hazardous Products Regulation (HPR)

Issuing Date 05-July-2023

Revision Date 14-July-2023

Revision Number 7

## 1. Identification

### Product identifier

Product Name Oxyfresh

### Other means of identification

Synonyms O2 and odor control

### Recommended use of the chemical and restrictions on use

Recommended use Odor control in wastewater process

Restrictions on use For professional use only

### Details of the supplier of the safety data sheet

#### Supplier Address

Aquafix Inc.  
2310 Daniels St.  
Madison WI 53718  
USA  
1-888-757-9577

E-mail info@teamaquafix.com

Emergency telephone number Chemtrec 1-800-424-9300

## 2. Hazard(s) identification

### Classification

Carcinogenicity	Category 1B
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### Label elements

#### Danger

#### Hazard statements

May cause cancer.



#### Precautionary Statements - Prevention

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear protective gloves, protective clothing, eye protection and face protection.

#### Precautionary Statements - Response

IF exposed or concerned: Get medical advice/attention.

#### Precautionary Statements - Storage

Store locked up.

#### Precautionary Statements - Disposal

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

**Other information**

May be harmful if swallowed.

**3. Composition/information on ingredients****Substance**

Not applicable

**Mixture****Synonyms**

O2 and odor control

Chemical name	CAS No	Weight-%	Hazardous Material Information Review Act registry number (HMIRA registry#)	Date HMIRA filed and date exemption granted (if applicable)
Calcium nitrate	13477-34-4	75-82	-	-
Proprietary essential oils	N/A	4-6	-	-

Any concentration shown as a range is to protect confidentiality or is due to batch variation.  
Occupational exposure limits, if available, are listed in Section 8.

**4. First-aid measures****Description of first aid measures****General advice**

IF exposed or concerned: Get medical advice/attention.

**Inhalation**

Remove to fresh air.

**Eye contact**

Remove contact lenses, if present and easy to do. Rinse thoroughly with plenty of water, also under the eyelids. Get medical attention if irritation develops and persists.

**Skin contact**

Wash skin with soap and water. Get medical attention if irritation develops and persists.

**Ingestion**

Rinse mouth. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Call a physician.

**Most important symptoms and effects, both acute and delayed.****Symptoms**

No information available.

**Effects of Exposure**

No information available.

**Indication of any immediate medical attention and special treatment needed.****Note to physicians.**

Treat symptomatically.

**5. Fire-fighting measures****Suitable extinguishing media**

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

**Unsuitable extinguishing media.**

No information available.

**Specific hazards arising from the chemical**

No information available.

**Explosion data****Sensitivity to mechanical impact** None.**Sensitivity to static discharge.** None.**Special protective equipment and precautions for fire-fighters**

Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.

## 6. Accidental release measures

### Personal precautions, protective equipment, and emergency procedures

Personal precautions	Ensure adequate ventilation.
Other information	Refer to protective measures listed in Sections 7 and 8.

### Methods and material for containment and cleaning up

Methods for containment	Prevent further leakage or spillage if safe to do so.
Methods for cleaning up.	Pick up and transfer to properly labeled containers.

## 7. Handling and storage

### Precautions for safe handling

Advice on safe handling	Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes, or clothing.
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### Conditions for safe storage, including any incompatibilities.

Storage Conditions	Keep containers tightly closed in a dry, cool and well-ventilated place. Keep at temperatures between 10 and 26.6667 °C (50 and 80 °F).
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## 8. Exposure controls/personal protection

### Control parameters

Exposure Limits	This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region-specific regulatory bodies.
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### Appropriate engineering controls

Engineering controls	Showers Eyewash stations Ventilation systems.
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### Individual protection measures, such as personal protective equipment

Eye/face protection	Wear safety glasses with side shields (or goggles).
Hand protection	Wear suitable gloves.
Skin and body protection	Wear suitable protective clothing.
Respiratory protection	No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.
General hygiene considerations	Do not eat, drink, or smoke when using this product. Wash hands before breaks and immediately after handling the product.

## 9. Physical and chemical properties

### Information on basic physical and chemical properties

Appearance	
Physical state	Liquid
Color	Light green
Odor	Slight eucalyptus
Odor threshold	No information available

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
pH	4.0-6.0	
Melting point/ freezing point		No data available
Initial boiling point and boiling range	110°C / 230°F	

Flash point		No data available
Evaporation rate		No data available
Flammability		No data available
Flammability Limit in Air		
Upper flammability or explosive limits		No data available
Lower flammability or explosive limits		No data available
Vapor pressure		No data available
Vapor density		No data available
Relative density	1.0	@25°C
Water solubility	Soluble	
Solubility(ies)		No data available
Partition coefficient		No data available
Autoignition temperature		No data available
Decomposition temperature		No data available
Kinematic viscosity		No data available
Dynamic viscosity		No data available
<b><u>Other information</u></b>		
Explosive properties		No information available.
Oxidizing properties		No information available.
Softening point		No information available
Molecular weight		No information available
VOC content		No information available
Liquid density		No information available
Bulk density		No information available

## 10. Stability and reactivity

Reactivity	None under normal use conditions.
Chemical stability	Stable under normal conditions.
Possibility of hazardous reactions	None under normal processing.
Conditions to avoid.	Incompatible materials.
Incompatible materials	Strong acids, Strong bases.
Hazardous decomposition products	None known based on information supplied.

## 11. Toxicological information

### Information on likely routes of exposure

<b>Product Information</b>	
Inhalation	Specific test data for the substance or mixture is not available.
Eye contact	Specific test data for the substance or mixture is not available.
Skin contact	Specific test data for the substance or mixture is not available.
Ingestion	May be harmful if swallowed.

### Symptoms related to the physical, chemical, and toxicological characteristics

Symptoms	No information available.
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### Acute toxicity

Numerical measures of toxicity	No information available
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The following values are calculated based on chapter 3.1 of the GHS document:

### Delayed and immediate effects as well as chronic effects from short and long-term exposure

Skin corrosion/irritation	No information available.
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<b>Serious eye damage/eye irritation.</b>	No information available.
<b>Respiratory or skin sensitization</b>	No information available.
<b>Germ cell mutagenicity</b>	No information available.
<b>Carcinogenicity</b>	Contains a known or suspected carcinogen. Classification based on data available for ingredients. May cause cancer.

The table below indicates whether each agency has listed any ingredient as a carcinogen.

Chemical name	ACGIH	IARC	NTP	OSHA
Calcium nitrate 13477-34-4	-	Group 2A	-	X

#### Legend

##### IARC (International Agency for Research on Cancer)

Group 2A - Probably Carcinogenic to Humans

##### OSHA (Occupational Safety and Health Administration of the US Department of Labor)

X - Present

<b>Reproductive toxicity</b>	No information available.
<b>STOT - single exposure</b>	No information available.
<b>STOT - repeated exposure</b>	No information available.
<b>Aspiration hazard</b>	No information available.

## 12. Ecological information

#### Ecotoxicity

Test Species	Toxicity Value Type	Toxicity Value	Toxicity Value Units	Exposure
<i>Ceriodaphnia dubia</i>	LC50	3022	mg/L	48 hours
<i>Pimephales promelas</i>	LC50	2276	mg/L	96 hours

<b>Persistence and degradability</b>	No information available.
<b>Bioaccumulation</b>	No information available.
<b>Other adverse effects</b>	No information available.

## 13. Disposal considerations

#### Waste treatment methods

<b>Waste from residues/unused products</b>	Dispose of in accordance with local regulations, Dispose of waste in accordance with environmental legislation.
<b>Contaminated packaging</b>	Do not reuse empty containers.

## 14. Transport information

<b><u>DOT</u></b>	Not regulated
<b><u>IDG</u></b>	Not regulated
<b><u>IATA</u></b>	Not regulated
<b><u>IMDG</u></b>	Not regulated

## 15. Regulatory information

#### Safety, health, and environmental regulations/legislation specific for the substance or mixture

#### International Regulations

**The Montreal Protocol on Substances that Deplete the Ozone Layer** Not applicable

**The Stockholm Convention on Persistent Organic Pollutants** Not applicable

**The Rotterdam Convention** Not applicable

#### International Inventories

Contact supplier for inventory compliance status.

\*Contact supplier for details. One or more substances in this product are either not listed on the US TSCA inventory, listed on the confidential US TSCA inventory, or are otherwise exempted from inventory listing requirements.

#### US Federal Regulations SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

Chemical name	SARA 313 – Threshold Values %
Calcium nitrate – 13477-34-4	1.0

#### SARA 311/312 Hazard Categories

Should this product meet EPCRA 311/312 Tier reporting criteria at 40 CFR 370, refer to Section 2 of this SOS for appropriate classifications.

#### CWA (Clean Water Act)

This product **does not** contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

#### CERCLA

This material, as supplied, **does not** contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

#### US State Regulations

##### California Proposition 65

This product **does not** contain any Proposition 65 chemicals.

##### U.S. State Right-to-Know Regulations

Chemical name	New Jersey	Massachusetts	Pennsylvania
Calcium nitrate 13477-34-4	X	-	-

#### U.S. EPA Label Information

**EPA Pesticide Registration Number** Not applicable

### 16. Other information

<b>NEPA</b>	<b>Health hazards</b> 0	<b>Flammability</b> 0	<b>Instability</b> 0	<b>Special hazards</b> -
<b>HMIS</b>	<b>Health hazards</b> 1*	<b>Flammability</b> 0	<b>Physical hazards</b> 0	<b>Personal protection</b> X
Chronic Hazard Star Legend*=Chronic Health Hazard				

**Key or legend to abbreviations and acronyms used in the safety data sheet.**

#### Legend Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

TWA	TWA (time-weighted average)	STEL	STEL (Short Term Exposure Limit)
Ceiling	Maximum limit value	*	Skin designation

#### **Key literature references and sources for data used to compile the SDS**

U.S. Environmental Protection Agency ChemView Database  
 European Food Safety Authority (EFSA)  
 EPA (Environmental Protection Agency)  
 Acute Exposure Guideline Level(s) (AELG(s))

U.S. Environmental Protection Agency Federal Insecticide, Fungicide, and Rodenticide Act  
U.S. Environmental Protection Agency High Production Volume Chemicals  
Food Research Journal  
Hazardous Substance Database  
International Uniform Chemical Information Database (IUCLID)  
Japan GHS Classification  
Australia National Industrial Chemicals Notification and Assessment Scheme (NICNAS)  
NIOSH (National Institute for Occupational Safety and Health)  
National Library of Medicine's ChemID Plus (NLM CIP)  
National Toxicology Program (NTP)  
New Zealand's Chemical Classification and Information Database (CCID)  
Organization for Economic Co-operation and Development Environment, Health, and Safety Publications  
Organization for Economic Co-operation and Development High Production Volume Chemicals Program  
Organization for Economic Co-operation and Development Screening Information Data Set  
World Health Organization

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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.**

**End of Safety Data Sheet**