

**Section 1: Product & Company Information**

**Product Identifier:** ElimO® Citrus Odor Eliminator

**SDS Number:** 20150226004

**Synonyms:** N/A

**Recommended Use:** For controlling odors.

**Recommended Restrictions:** For commercial, industrial and institutional use only.

**Supplier:** Greenway Products Inc.  
4320 Greenway Drive  
Knoxville, TN 37918  
USA

**Website:** [www.greenwayproductsinc.com](http://www.greenwayproductsinc.com) / [www.greenwayelimo.com](http://www.greenwayelimo.com)

**Information Telephone Number:** 1-865-524-4239

**Emergency Phone Number:** Chemtrec 1-800-424-7300 (monitored 24 hours)

**Section 2: Hazards Identification****GHS Classification(s)****Physical Hazard(s)**

Not Classified

**Health Hazard(s)**

Damage/Irritation (eye) 2B

STOT-Respiratory Irritation (single exposure) 3

**Environmental Hazard(s)**

Not Classified

**Signal Word**

**WARNING**

**Pictogram(s)****Hazard Statement(s)**

H320-Causes eye irritation

H335-May cause respiratory irritation

**Precautionary Statements****Prevention**

P261 - Avoid breathing mist/spray.

P264 - Wash face, hands and any exposed skin thoroughly after handling.

P271 - Use only in a well-ventilated area.

**Response**

P304 + P340 - IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing.

P312 - Call a POISON CENTER or doctor/physician if you feel unwell.

P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337 + P313 - If eye irritation persists: Get medical advice/attention.

**Storage**

P403 + P233 - Store in a well-ventilated place. Keep container tightly closed.

P405 - Store locked up.

**Disposal**

P501 - Dispose of contents/container to an approved landfill.

**Hazard(s) not otherwise classified (HNOC)**

Not Classified

**Supplemental Information**

Not Applicable



## Section 3: Composition/Information on Ingredients

**Hazardous Ingredient(s)**

Formula: Mixture  
Molecular Weight: Mixture

Ingredient	CAS #	Weight %
Isopropanol	67-63-0	8-10
Ethoxylated alcohol	Proprietary	5-8

## Section 4: First-Aid Measures

**Inhalation**

If a person breathes large amounts of this chemical, move the exposed person to fresh air at once. Other measures are usually unnecessary.

**Skin Contact**

If this chemical contacts the skin, flush the contaminated skin with water. Where there is evidence of skin irritation, get medical attention.

**Eye Contact**

If this chemical contacts the eyes, promptly wash (irrigate) the eyes with large amounts of water, occasionally lifting the lower and upper lids. Get medical attention if any discomfort continues.

**Ingestion**

If this chemical has been swallowed, get medical attention immediately.

**Most important symptoms/effects, acute and delayed**

Not established

**Indication of immediate medical attention and special treatment needed**

Not established

**General Information**

Show this safety data sheet to the doctor in attendance.

## Section 5: Fire-Fighting Measures

**Suitable Extinguishing Media**

Water fog. Foam. Dry chemical powder. Carbon dioxide (CO<sub>2</sub>).

**Unsuitable Extinguishing Media**

Do not use a solid water stream as it may scatter and spread fire.

**Specific Hazards Arising from the Chemical**

The product itself does not burn. May decompose upon heating to produce corrosive and/or toxic fumes.

**Special Protective Equipment and Precautions for Firefighters**

Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

**Fire-Fighting Equipment/Instructions**

In case of fire and/or explosion do not breathe fumes. Use standard firefighting procedures and consider the hazards of other involved materials.

**General Fire Hazards**

No unusual fire or explosion hazards noted.

## Section 6: Accidental Release Measures

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

Keep unnecessary personnel away. Wear appropriate personal protective equipment.

**Methods and materials for containment and clean-up**

Absorb in vermiculite, dry sand or earth and place into containers. Following product recovery, flush area with water.

**Environmental Precautions**

Do not discharge into drains, water courses or onto the ground.

## Section 7: Handling and Storage

**Precautions for safe handling**

Wear appropriate personal protective equipment. Do not get in eyes, on skin, on clothing. Use with adequate ventilation. Observe good industrial hygiene practices.

**Conditions for safe storage, including any incompatibilities**

Keep container tightly closed. Store in a cool and well-ventilated place.

## Section 8: Exposure Controls/Personal Protection

### Occupational Exposure Limits

Component	CAS #	Value	Control Parameter	Basis
Isopropanol	67-63-0	STEL	400 ppm	ACGIH Threshold Limit Vales (TLV)
		TWA	200 ppm / 8 hours	ACGIH Threshold Limit Vales (TLV)
		PEL	400 ppm / 8 hours	OSHA Permissible Exposure Limit (PEL)
Ethoxylated Alcohol	Proprietary	N/A	N/A	N/A

### Appropriate Engineering Controls

Good general ventilation

### Individual protection measures, such as personal protective equipment (PPE)

#### Eye/Face Protection

Wear approved safety glasses

#### Skin Protection

##### Hand Protection

Disposable gloves recommended.

#### Other

Not Applicable

#### Respiratory Protection

If engineering controls do not maintain airborne concentrations below recommended exposure limits, an approved respirator must be worn. Respirator type: Chemical respirator with organic vapor cartridge and full or half facepiece.

#### Thermal Protection

Not Applicable

#### General Hygiene Considerations

When using, do not eat, drink or smoke. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

## Section 9: Physical and Chemical Properties

Form: Liquid  
Color: Clear to slightly cloudy  
Odor: Pleasant

Flash Point: >145°F

Lower Flammability or Explosion Limit: Not Determined

Upper Flammability or Explosion Limit: Not Determined

Auto-Ignition Temperature: Not Determined

Decomposition Temperature:

pH: Not Determined

Boiling Point: 212°F

Melting Point/Freezing Point: Not Determined

Evaporation Rate (water =1): <1

Vapor Pressure: Not Determined

Vapor Density (air=1): 2.1

Relative Density (water=1): 1.01

Partition coefficient (n-octanol/water): Not Determined

Odor Threshold: Not Determined

Solubility(ies): Completely soluble in water.

Viscosity: Not Determined

## Section 10: Stability and Reactivity

### Reactivity

The product is stable and non-reactive under normal conditions of use, storage and transport.

### Chemical Stability

Material is stable under normal conditions.

### Possibility of Hazardous Reactions

Hazardous polymerization does not occur.

### Conditions to Avoid

Not Determined

**Incompatible Materials**

Not Determined

**Hazardous Decomposition Products**

Not Determined

**Section 11: Toxicological Information****Information on routes of exposure****Ingestion:** Harmful if swallowed.**Inhalation:** May cause irritation to the respiratory system.**Skin Contact:** May cause skin irritation.**Eye Contact:** Causes eye irritation.**Symptoms related to physical, chemical and toxicological characteristics**

Eye damage including blindness could result.

**Information on toxicological effects****Acute Toxicity****Oral LD50**Isopropanol: LD50, rat 5,840 mg/kg Estimated. Lethal Dose, Humans 100 ml  
Ethoxylated alcohol: LD50 2000 mg/kg Oral Rat based on data for: (similar material)**Inhalation LC50**

Isopropanol: LD50, rabbit &gt; 12,800 mg/kg

**Dermal LD50**

Not Determined

**Other Information on Acute toxicity**

Not Determined

**Skin Corrosion/Irritation**

May cause skin irritation.

**Serious Eye Damage/Eye Irritation**

Eye damage including blindness could result.

**Respiratory Sensitization**

May cause irritation to the respiratory system.

**Skin Sensitization**

May cause skin irritation.

**Germ Cell Mutagenicity**

Not Applicable

**Carcinogenicity**

Product is not considered to be a carcinogen by IARC, ACGIH, NTP or OSHA.

**Reproductive Toxicity**

Not Determined

**Specific Target Organ Toxicity – Single Exposure**

Not Determined

**Specific Target Organ Toxicity – Repeated Exposure**

Not Determined

**Aspiration Hazard**

Droplets of the product aspirated into the lungs through ingestion or vomiting may cause chemical pneumonia.

**Chronic Effects**

Not Determined

**Further Information**

Not Determined

**Section 12: Ecological Information****Ecotoxicity**

Material is practically non-toxic to aquatic organisms on an acute basis (LC50/EC50/EL50/LL50 &gt;100mg/L in the most sensitive species tested).



# SAFETY DATA SHEET

**Persistence and Degradability**

Material is considered biodegradable.

**Bioaccumulative Potential**

The product is not expected to bioaccumulate.

**Mobility in Soil**

Not Determined

**Other Adverse Effects**

Not Determined

## Section 13: Disposal Considerations

**Disposal Instructions**

Dispose of contents/container in accordance with local/regional/national/international regulations.

**Hazardous Waste Code**

The waste code should be assigned in discussion between the user, the producer and the waste disposal company.

**Waste from residues/unused products**

Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).

**Contaminated Packaging**

Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied.

## Section 14: Transportation Information

**DOT (USA)**

UN Number: Not Regulated  
Proper Shipping Name: Not Regulated  
Technical Name: Not Regulated  
Hazard Class: Not Regulated  
Subsidiary Risk: Not Regulated  
Packing Group: Not Regulated  
DOT Label/Placard Exemptions: Not Regulated

Reportable Quantity (RQ): Not Regulated

Marine Pollutant: Not Regulated  
Poison Inhalation Hazard: Not Regulated

## Section 15: Regulatory Information

**SARA 302/304 Emergency Response Notification**

No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302/304.

**SARA 311/312 Emergency and Hazardous Materials Reporting**

Fire Hazard: No  
Sudden Release of Pressure: No  
Reactive: No  
Acute Health Hazard: Yes  
Chronic Health Hazard: No

**SARA 313 Toxic Chemical Release Inventory Reporting (EPA Form R)**

Isopropanol 67-63-0 (8-10%)

**TSCA 8(b) Inventory**

All components of this product are on the TSCA Inventory or are exempt from TSCA Inventory requirements under 40 CFR 720.30.

**California Proposition 65 Components**

This product contains no listed substances known to the State of California to cause cancer, birth defects or other reproductive harm, at levels which would require a warning under the statute.

Due to the changing nature of regulatory requirements, the information in this document should NOT be considered all-inclusive or authoritative. Users should make their own investigations to determine the suitability of the information for their particular purposes. International, Federal, State and Local regulations should be consulted to determine compliance with all required reporting requirements.

**Section 16: Other Information****HMIS Classification**

Health Hazard: 1  
Chronic Health Hazard: /  
Flammability: 0  
Physical Hazard: 0

**NFPA Rating**

Health Hazard: 1  
Fire Hazard: 0  
Reactivity Hazard: 0

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Revisions: -

**Key to Abbreviations and Acronyms**

IDHL – Immediately Dangerous to Life and Health  
N/A – Not Applicable  
N/D – Not Determined  
PEL – Permissible Exposure Limit  
REL – Recommended Exposure Limit  
STEL – Short-term Exposure Limit  
TWA: Time weighted average  
LD50: Lethal Dose, 50%  
LC50: Lethal Concentration, 50%  
EC50: Effective concentration, 50%

ACGIH - American Conference of Industrial Hygienists  
AIHA – American Industrial Hygiene Association  
CAS – Chemical Abstracts Service  
DOT – Department of Transportation  
EPA – Environmental Protection Agency  
IARC - International Agency for Research on Cancer  
NIOSH – National Institute for Occupational Safety and Health  
NTP – National Toxicology Program  
OSHA – Occupational Health and Safety Administration  
SARA – Superfund Amendments and Reauthorization Act  
TSCA – Toxic Substances Control Act

**References**

EPA: AQUIRE database  
HSDB® - Hazardous Substances Data Bank  
US. IARC Monographs on Occupational Exposures to Chemical Agents  
IARC Monographs. Overall Evaluation of Carcinogenicity  
ACGIH Documentation of the Threshold Limit Values and Biological Exposure Indices

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