

Section 1: Product & Company Information

Product Identifier: ElimO® Extreme Odor Eliminator

SDS Number: 20150226009

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 / www.greenwayelim.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



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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 (CO₂).

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



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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 > 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 >100mg/L in the most sensitive species tested).



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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.



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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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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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