

SAFETY DATA SHEET

according to the OSHA Hazard Communication Standard



Barricor Essential Mosquito Control

Version 6.0 Revision Date: 01/21/2025 SDS Number: 11296164-00007 Date of last issue: 01/16/2025
Date of first issue: 11/21/2023

SECTION 1. IDENTIFICATION

Product name : Barricor Essential Mosquito Control
Product code : Article/SKU: D00001239 UVP: DU00000042 Specification: 102D00000182

Manufacturer or supplier's details

Company name of supplier : Environmental Science U.S. LLC.
Address : 5000 Centregreen Way, Suite 400
Cary NC 27513
Telephone : 1-800-331-2867
Emergency telephone : +1 703-741-5970
E-mail address : uscontact@envu.com

Recommended use of the chemical and restrictions on use

Recommended use : For Research and Development only
Restrictions on use : Not applicable

SECTION 2. HAZARDS IDENTIFICATION

GHS classification in accordance with the OSHA Hazard Communication Standard (29 CFR 1910.1200)

|| Not a hazardous substance or mixture.

GHS label elements

|| No hazard pictogram, no signal word, no hazard statement(s), no precautionary statement(s) required.

Other hazards

None known.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

Components

Chemical name	CAS-No.	Concentration (% w/w)
Glycerine	56-81-5	>= 5 - < 10
Oils, sesame	8008-74-0	>= 1 - < 5
Silica gel, precipitated, crystalline free	112926-00-8	>= 1 - < 5
Cinnamomum zeylanicum, leaf, ext. low safrol grade	8015-91-6	>= 0.1 - < 1
Thyme, Thymus vulgaris, extract	8007-46-3	>= 0.1 - < 1

SAFETY DATA SHEET

according to the OSHA Hazard Communication Standard



Barricor Essential Mosquito Control

Version 6.0 Revision Date: 01/21/2025 SDS Number: 11296164-00007 Date of last issue: 01/16/2025
Date of first issue: 11/21/2023

|| Actual concentration is withheld as a trade secret

SECTION 4. FIRST AID MEASURES

- General advice : In the case of accident or if you feel unwell, seek medical advice immediately.
When symptoms persist or in all cases of doubt seek medical advice.
- || If inhaled : If inhaled, remove to fresh air.
Get medical attention if symptoms occur.
- In case of skin contact : In case of contact, immediately flush skin with plenty of water.
Remove contaminated clothing and shoes.
Get medical attention.
Wash clothing before reuse.
Thoroughly clean shoes before reuse.
- || In case of eye contact : Flush eyes with water as a precaution.
Get medical attention if irritation develops and persists.
- || If swallowed : If swallowed, DO NOT induce vomiting.
Get medical attention if symptoms occur.
Rinse mouth thoroughly with water.
- Most important symptoms and effects, both acute and delayed : None known.
- Protection of first-aiders : First Aid responders should pay attention to self-protection, and use the recommended personal protective equipment when the potential for exposure exists (see section 8).
- Notes to physician : Treat symptomatically and supportively.
-

SECTION 5. FIRE-FIGHTING MEASURES

- Suitable extinguishing media : Water spray
Alcohol-resistant foam
Carbon dioxide (CO2)
Dry chemical
- Unsuitable extinguishing media : None known.
- Specific hazards during fire fighting : Exposure to combustion products may be a hazard to health.
- Hazardous combustion products : Carbon oxides
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SAFETY DATA SHEET

according to the OSHA Hazard Communication Standard



Barricor Essential Mosquito Control

Version	Revision Date:	SDS Number:	Date of last issue: 01/16/2025
6.0	01/21/2025	11296164-00007	Date of first issue: 11/21/2023

Specific extinguishing methods : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Use water spray to cool unopened containers.
Remove undamaged containers from fire area if it is safe to do so.
Evacuate area.

Special protective equipment for fire-fighters : In the event of fire, wear self-contained breathing apparatus.
Use personal protective equipment.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures : Use personal protective equipment.
Follow safe handling advice (see section 7) and personal protective equipment recommendations (see section 8).

Environmental precautions : Avoid release to the environment.
Prevent further leakage or spillage if safe to do so.
Prevent spreading over a wide area (e.g., by containment or oil barriers).
Retain and dispose of contaminated wash water.
Local authorities should be advised if significant spillages cannot be contained.

Methods and materials for containment and cleaning up : Soak up with inert absorbent material.
For large spills, provide diking or other appropriate containment to keep material from spreading. If diked material can be pumped, store recovered material in appropriate container.
Clean up remaining materials from spill with suitable absorbent.
Local or national regulations may apply to releases and disposal of this material, as well as those materials and items employed in the cleanup of releases. You will need to determine which regulations are applicable.
Sections 13 and 15 of this SDS provide information regarding certain local or national requirements.

SECTION 7. HANDLING AND STORAGE

Technical measures : See Engineering measures under EXPOSURE CONTROLS/PERSONAL PROTECTION section.

Local/Total ventilation : Use only with adequate ventilation.

Advice on safe handling : Do not get on skin or clothing.
Avoid inhalation of vapor or mist.
Do not swallow.
Avoid contact with eyes.

SAFETY DATA SHEET

according to the OSHA Hazard Communication Standard



Barricor Essential Mosquito Control

Version 6.0 Revision Date: 01/21/2025 SDS Number: 11296164-00007 Date of last issue: 01/16/2025
Date of first issue: 11/21/2023

Handle in accordance with good industrial hygiene and safety practice, based on the results of the workplace exposure assessment
Take care to prevent spills, waste and minimize release to the environment.

Conditions for safe storage : Keep in properly labeled containers.
Store in accordance with the particular national regulations.

Materials to avoid : No special restrictions on storage with other products.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Ingredients with workplace control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
Oils, sesame	8008-74-0	TWA (mist - total)	10 mg/m ³	NIOSH REL
		TWA (mist - respirable)	5 mg/m ³	NIOSH REL
Silica gel, precipitated, crystalline free	112926-00-8	TWA (Dust)	20 Million particles per cubic foot (Silica)	OSHA Z-3
		TWA (Dust)	80 mg/m ³ / %SiO ₂ (Silica)	OSHA Z-3
		TWA	6 mg/m ³ (Silica)	NIOSH REL

Engineering measures : Ensure adequate ventilation, especially in confined areas.
Minimize workplace exposure concentrations.

Personal protective equipment

Respiratory protection : General and local exhaust ventilation is recommended to maintain vapor exposures below recommended limits. Where concentrations are above recommended limits or are unknown, appropriate respiratory protection should be worn. Follow OSHA respirator regulations (29 CFR 1910.134) and use NIOSH/MSHA approved respirators. Protection provided by air purifying respirators against exposure to any hazardous chemical is limited. Use a positive pressure air supplied respirator if there is any potential for uncontrolled release, exposure levels are unknown, or any other circumstance where air purifying respirators may not provide adequate protection.

Hand protection

Material : Chemical-resistant gloves

SAFETY DATA SHEET

according to the OSHA Hazard Communication Standard



Barricor Essential Mosquito Control

Version 6.0 Revision Date: 01/21/2025 SDS Number: 11296164-00007 Date of last issue: 01/16/2025
Date of first issue: 11/21/2023

- Remarks : Choose gloves to protect hands against chemicals depending on the concentration specific to place of work. Breakthrough time is not determined for the product. Change gloves often! For special applications, we recommend clarifying the resistance to chemicals of the aforementioned protective gloves with the glove manufacturer. Wash hands before breaks and at the end of workday.
- Eye protection : Wear the following personal protective equipment:
Safety glasses
- Skin and body protection : Skin should be washed after contact.
- Hygiene measures : If exposure to chemical is likely during typical use, provide eye flushing systems and safety showers close to the working place.
When using do not eat, drink or smoke.
Wash contaminated clothing before re-use.
-

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

- Appearance : Emulsion
- Color : white, opaque
- Odor : floral, slight
- Odor Threshold : No data available
- pH : 5.20
Concentration: 10 %
- Melting point/freezing point : No data available
- Initial boiling point and boiling range : No data available
- Flash point : does not flash
- Evaporation rate : No data available
- Flammability (solid, gas) : Not applicable
- Flammability (liquids) : No data available
- Upper explosion limit / Upper flammability limit : No data available

SAFETY DATA SHEET

according to the OSHA Hazard Communication Standard



Barricor Essential Mosquito Control

Version	Revision Date:	SDS Number:	Date of last issue: 01/16/2025
6.0	01/21/2025	11296164-00007	Date of first issue: 11/21/2023

Lower explosion limit / Lower flammability limit	:	No data available
Vapor pressure	:	No data available
Relative vapor density	:	No data available
Density	:	1.004 g/cm ³ (68 °F / 20 °C)
Solubility(ies) Water solubility	:	soluble
Partition coefficient: n-octanol/water	:	Not applicable
Autoignition temperature	:	No data available
Decomposition temperature	:	The substance or mixture is not classified self-reactive.
Viscosity Viscosity, kinematic	:	No data available
Explosive properties	:	Not explosive
Oxidizing properties	:	The substance or mixture is not classified as oxidizing.
Particle characteristics Particle size	:	Not applicable

SECTION 10. STABILITY AND REACTIVITY

Reactivity	:	Not classified as a reactivity hazard.
Chemical stability	:	Stable under normal conditions.
Possibility of hazardous reactions	:	None known.
Conditions to avoid	:	None known.
Incompatible materials	:	None.
Hazardous decomposition products	:	No hazardous decomposition products are known.

SECTION 11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Inhalation
Skin contact

SAFETY DATA SHEET

according to the OSHA Hazard Communication Standard



Barricor Essential Mosquito Control

Version 6.0 Revision Date: 01/21/2025 SDS Number: 11296164-00007 Date of last issue: 01/16/2025
Date of first issue: 11/21/2023

Ingestion
Eye contact

Acute toxicity

|| Not classified based on available information.

Product:

Acute oral toxicity : LD50 (Rat, female): > 5,000 mg/kg
Method: OECD Test Guideline 425

|| Acute inhalation toxicity : LC50 (Rat, male and female): > 2.14 mg/l
Exposure time: 4 h
Test atmosphere: dust/mist
Method: OECD Test Guideline 403

Acute dermal toxicity : LD50 (Rat, male and female): > 5,000 mg/kg
Method: OECD Test Guideline 402

Components:

Glycerine:

|| Acute oral toxicity : LD50 (Rat): > 5,000 mg/kg

|| Acute dermal toxicity : LD50 (Guinea pig): > 5,000 mg/kg

Oils, sesame:

|| Acute oral toxicity : LD50 (Rat): > 2,000 mg/kg
Remarks: Based on data from similar materials

|| Acute dermal toxicity : LD50 (Rabbit): > 2,000 mg/kg

Silica gel, precipitated, crystalline free:

|| Acute oral toxicity : LD50 (Rat): > 5,000 mg/kg
Method: OECD Test Guideline 401
Remarks: Based on data from similar materials

|| Acute inhalation toxicity : LC50 (Rat): > 0.69 mg/l
Exposure time: 4 h
Test atmosphere: dust/mist
Remarks: Based on data from similar materials

|| Acute dermal toxicity : LD50 (Rabbit): > 5,000 mg/kg
Remarks: Based on data from similar materials

Cinnamomum zeylanicum, leaf, ext. low safrol grade:

|| Acute oral toxicity : LD50 (Rat): 2,650 mg/kg

|| Acute dermal toxicity : LD50 (Rabbit): > 5,000 mg/kg

Thyme, Thymus vulgaris, extract:

|| Acute oral toxicity : LD50 (Mouse): 1,250 mg/kg

SAFETY DATA SHEET

according to the OSHA Hazard Communication Standard



Barricor Essential Mosquito Control

Version 6.0 Revision Date: 01/21/2025 SDS Number: 11296164-00007 Date of last issue: 01/16/2025
Date of first issue: 11/21/2023

Acute inhalation toxicity : Assessment: Corrosive to the respiratory tract.
Acute dermal toxicity : LD50 (Rabbit): > 5,000 mg/kg
Remarks: Based on data from similar materials

Skin corrosion/irritation

Not classified based on available information.

Product:

Species : Rabbit
Exposure time : 4 h
Method : OECD Test Guideline 404
Result : Mild skin irritation

Components:

Glycerine:

Species : Rabbit
Result : No skin irritation

Oils, sesame:

Species : Rabbit
Result : No skin irritation

Silica gel, precipitated, crystalline free:

Species : Rabbit
Method : OECD Test Guideline 404
Result : No skin irritation
Remarks : Based on data from similar materials

Cinnamomum zeylanicum, leaf, ext. low safrol grade:

Species : Rabbit
Method : Directive 67/548/EEC, Annex V, B.4.
Result : No skin irritation

Thyme, Thymus vulgaris, extract:

Species : Rabbit
Method : OECD Test Guideline 404
Result : Corrosive after 3 minutes to 1 hour of exposure
Remarks : Based on data from similar materials
Based on national or regional regulation.

Serious eye damage/eye irritation

Not classified based on available information.

Product:

Species : Rabbit
Result : No eye irritation

SAFETY DATA SHEET

according to the OSHA Hazard Communication Standard



Barricor Essential Mosquito Control

Version 6.0 Revision Date: 01/21/2025 SDS Number: 11296164-00007 Date of last issue: 01/16/2025
Date of first issue: 11/21/2023

|| Method : OECD Test Guideline 405

Components:

Glycerine:

|| Species : Rabbit
|| Result : No eye irritation

Oils, sesame:

|| Species : Rabbit
|| Result : No eye irritation

Silica gel, precipitated, crystalline free:

|| Species : Rabbit
|| Result : No eye irritation
|| Method : OECD Test Guideline 405
|| Remarks : Based on data from similar materials

Cinnamomum zeylanicum, leaf, ext. low safrol grade:

|| Species : Rabbit
|| Result : Irritation to eyes, reversing within 21 days
|| Method : OECD Test Guideline 405
|| Remarks : Based on data from similar materials

Thyme, Thymus vulgaris, extract:

|| Species : Rabbit
|| Result : Irreversible effects on the eye
|| Method : OECD Test Guideline 405
|| Remarks : Based on data from similar materials

Respiratory or skin sensitization

Skin sensitization

|| Not classified based on available information.

Respiratory sensitization

|| Not classified based on available information.

Product:

Test Type : Local lymph node assay (LLNA)
Routes of exposure : Dermal
Species : Mouse
Assessment : Does not cause skin sensitization.
Method : OECD Test Guideline 429

Components:

Oils, sesame:

|| Test Type : Human repeat insult patch test (HRIPT)
|| Routes of exposure : Skin contact

SAFETY DATA SHEET

according to the OSHA Hazard Communication Standard



Barricor Essential Mosquito Control

Version 6.0 Revision Date: 01/21/2025 SDS Number: 11296164-00007 Date of last issue: 01/16/2025
Date of first issue: 11/21/2023

||Result : negative

Cinnamomum zeylanicum, leaf, ext. low safrol grade :

||Test Type : Maximization Test
||Routes of exposure : Skin contact
||Species : Guinea pig
||Result : positive
||Remarks : Based on data from similar materials

||Result : Probability or evidence of skin sensitization in humans

Thyme, Thymus vulgaris, extract:

||Test Type : Local lymph node assay (LLNA)
||Routes of exposure : Skin contact
||Species : Mouse
||Method : OECD Test Guideline 429
||Result : positive
||Remarks : Based on data from similar materials

||Assessment : Probability or evidence of skin sensitization in humans

Germ cell mutagenicity

||Not classified based on available information.

Components:

Glycerine:

||Genotoxicity in vitro : Test Type: In vitro mammalian cell gene mutation test
Result: negative

Test Type: Bacterial reverse mutation assay (AMES)
Result: negative

Test Type: Chromosome aberration test in vitro
Result: negative

Test Type: DNA damage and repair, unscheduled DNA synthesis in mammalian cells (in vitro)
Result: negative

Oils, sesame:

||Genotoxicity in vitro : Test Type: Bacterial reverse mutation assay (AMES)
Result: negative

Silica gel, precipitated, crystalline free:

||Genotoxicity in vitro : Test Type: Chromosome aberration test in vitro
Result: negative
Remarks: Based on data from similar materials

||Genotoxicity in vivo : Test Type: Rodent dominant lethal test (germ cell) (in vivo)
Species: Rat

SAFETY DATA SHEET

according to the OSHA Hazard Communication Standard



Barricor Essential Mosquito Control

Version 6.0 Revision Date: 01/21/2025 SDS Number: 11296164-00007 Date of last issue: 01/16/2025
Date of first issue: 11/21/2023

Application Route: Ingestion
Result: negative
Remarks: Based on data from similar materials

Cinnamomum zeylanicum, leaf, ext. low safrol grade:

Genotoxicity in vitro : Test Type: Bacterial reverse mutation assay (AMES)
Method: OECD Test Guideline 471
Result: negative

Thyme, Thymus vulgaris, extract:

Genotoxicity in vitro : Test Type: Bacterial reverse mutation assay (AMES)
Method: OECD Test Guideline 471
Result: negative

Carcinogenicity

Not classified based on available information.

Components:

Glycerine:

Species : Rat
Application Route : Ingestion
Exposure time : 2 Years
Result : negative

Silica gel, precipitated, crystalline free:

Species : Rat
Application Route : Ingestion
Exposure time : 103 weeks
Result : negative
Remarks : Based on data from similar materials

IARC No ingredient of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

OSHA No component of this product present at levels greater than or equal to 0.1% is on OSHA's list of regulated carcinogens.

NTP No ingredient of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

Reproductive toxicity

Not classified based on available information.

Components:

Glycerine:

Effects on fertility : Test Type: Two-generation reproduction toxicity study
Species: Rat
Application Route: Ingestion
Result: negative

SAFETY DATA SHEET

according to the OSHA Hazard Communication Standard



Barricor Essential Mosquito Control

Version 6.0 Revision Date: 01/21/2025 SDS Number: 11296164-00007 Date of last issue: 01/16/2025
Date of first issue: 11/21/2023

Effects on fetal development : Test Type: Embryo-fetal development
Species: Rat
Application Route: Ingestion
Result: negative

Silica gel, precipitated, crystalline free:

Effects on fetal development : Test Type: Embryo-fetal development
Species: Rat
Application Route: Ingestion
Result: negative
Remarks: Based on data from similar materials

STOT-single exposure

Not classified based on available information.

STOT-repeated exposure

Not classified based on available information.

Repeated dose toxicity

Components:

Glycerine:

Species : Rat
NOAEL : 0.167 mg/l
LOAEL : 0.622 mg/l
Application Route : inhalation (dust/mist/fume)
Exposure time : 13 Weeks

Species : Rat
NOAEL : 8,000 - 10,000 mg/kg
Application Route : Ingestion
Exposure time : 2 y

Species : Rabbit
NOAEL : 5,040 mg/kg
Application Route : Skin contact
Exposure time : 45 Weeks

Silica gel, precipitated, crystalline free:

Species : Rat
NOAEL : > 4,500 mg/kg
Application Route : Ingestion
Exposure time : 90 Days
Remarks : Based on data from similar materials

Aspiration toxicity

Not classified based on available information.

SAFETY DATA SHEET

according to the OSHA Hazard Communication Standard



Barricor Essential Mosquito Control

Version 6.0 Revision Date: 01/21/2025 SDS Number: 11296164-00007 Date of last issue: 01/16/2025
Date of first issue: 11/21/2023

Components:

Cinnamomum zeylanicum, leaf, ext. low safrol grade :

|| The substance or mixture is known to cause human aspiration toxicity hazards or has to be regarded as if it causes a human aspiration toxicity hazard.

Thyme, Thymus vulgaris, extract:

|| The substance or mixture is known to cause human aspiration toxicity hazards or has to be regarded as if it causes a human aspiration toxicity hazard.

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity

Components:

Glycerine:

|| Toxicity to fish : LC50 (Oncorhynchus mykiss (rainbow trout)): 54,000 mg/l
Exposure time: 96 h

|| Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 1,955 mg/l
Exposure time: 48 h

|| Toxicity to microorganisms : NOEC (Pseudomonas putida): > 10,000 mg/l
Exposure time: 16 h
Method: DIN 38 412 Part 8

Silica gel, precipitated, crystalline free:

|| Toxicity to fish : LL50 (Danio rerio (zebra fish)): > 10,000 mg/l
Exposure time: 96 h
Method: OECD Test Guideline 203
Remarks: Based on data from similar materials

|| Toxicity to daphnia and other aquatic invertebrates : EL50 (Daphnia magna (Water flea)): > 1,000 mg/l
Exposure time: 24 h
Method: OECD Test Guideline 202
Remarks: Based on data from similar materials

|| Toxicity to algae/aquatic plants : EL50 (Scenedesmus subspicatus): > 10,000 mg/l
Exposure time: 72 h
Method: OECD Test Guideline 201
Remarks: Based on data from similar materials

Cinnamomum zeylanicum, leaf, ext. low safrol grade :

|| Toxicity to fish : LC50 (Danio rerio (zebra fish)): > 1 - 10 mg/l
Exposure time: 96 h
Method: Directive 67/548/EEC, Annex V, C.1.
Remarks: Based on data from similar materials

|| Toxicity to daphnia and other : EC50 (Daphnia magna (Water flea)): > 1 - 10 mg/l

SAFETY DATA SHEET

according to the OSHA Hazard Communication Standard



Barricor Essential Mosquito Control

Version 6.0 Revision Date: 01/21/2025 SDS Number: 11296164-00007 Date of last issue: 01/16/2025
Date of first issue: 11/21/2023

aquatic invertebrates Exposure time: 48 h
Method: OECD Test Guideline 202
Remarks: Based on data from similar materials

Toxicity to algae/aquatic plants : ErC50 (Chlorella vulgaris (Fresh water algae)): > 10 - 100 mg/l
Exposure time: 72 h
Method: OECD Test Guideline 201
Remarks: Based on data from similar materials

Thyme, *Thymus vulgaris*, extract:

Toxicity to fish : LC50 (Oncorhynchus mykiss (rainbow trout)): 16.1 mg/l
Exposure time: 96 h

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): > 1 - 10 mg/l
Exposure time: 48 h
Method: OECD Test Guideline 202
Remarks: Based on data from similar materials

Toxicity to algae/aquatic plants : ErC50 (Pseudokirchneriella subcapitata (green algae)): > 10 - 100 mg/l
Exposure time: 72 h
Method: OECD Test Guideline 201
Remarks: Based on data from similar materials

NOEC (Pseudokirchneriella subcapitata (green algae)): > 1 mg/l
Exposure time: 72 h
Method: OECD Test Guideline 201
Remarks: Based on data from similar materials

Toxicity to fish (Chronic toxicity) : NOEC: > 0.1 - 1 mg/l
Exposure time: 21 d
Remarks: Based on harmonised classification in EU regulation 1272/2008, Annex VI

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : NOEC (Daphnia magna (Water flea)): > 1 mg/l
Exposure time: 21 d
Method: OECD Test Guideline 211
Remarks: Based on data from similar materials

Toxicity to microorganisms : EC50: > 10 - 100 mg/l
Exposure time: 3 h
Method: OECD Test Guideline 209
Remarks: Based on data from similar materials

Persistence and degradability

Components:

Glycerine:

Biodegradability : Result: Readily biodegradable.
Biodegradation: 92 %

SAFETY DATA SHEET

according to the OSHA Hazard Communication Standard



Barricor Essential Mosquito Control

Version 6.0 Revision Date: 01/21/2025 SDS Number: 11296164-00007 Date of last issue: 01/16/2025
Date of first issue: 11/21/2023

Exposure time: 30 d
Method: OECD Test Guideline 301D

Oils, sesame:

Biodegradability : Result: Readily biodegradable.

Cinnamomum zeylanicum, leaf, ext. low safrol grade:

Biodegradability : Result: Readily biodegradable.
Remarks: Based on data from similar materials

Thyme, Thymus vulgaris, extract:

Biodegradability : Result: Not readily biodegradable.
Method: OECD Test Guideline 301F
Remarks: Based on data from similar materials

Bioaccumulative potential

Components:

Glycerine:

Partition coefficient: n-octanol/water : log Pow: -1.75

Cinnamomum zeylanicum, leaf, ext. low safrol grade:

Partition coefficient: n-octanol/water : log Pow: > 4
Remarks: Calculation

Thyme, Thymus vulgaris, extract:

Partition coefficient: n-octanol/water : log Pow: 3.3

Mobility in soil

No data available

Other adverse effects

No data available

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal methods

Waste from residues : Dispose of in accordance with local regulations.
Do not dispose of waste into sewer.

Contaminated packaging : Empty containers should be taken to an approved waste handling site for recycling or disposal.
If not otherwise specified: Dispose of as unused product.

SAFETY DATA SHEET

according to the OSHA Hazard Communication Standard



Barricor Essential Mosquito Control

Version: 6.0 Revision Date: 01/21/2025 SDS Number: 11296164-00007 Date of last issue: 01/16/2025
Date of first issue: 11/21/2023

SECTION 14. TRANSPORT INFORMATION

International Regulations

UNRTDG

Not regulated as a dangerous good

IATA-DGR

Not regulated as a dangerous good

IMDG-Code

Not regulated as a dangerous good

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable for product as supplied.

Domestic regulation

49 CFR

Not regulated as a dangerous good

Special precautions for user

Not applicable

SECTION 15. REGULATORY INFORMATION

CERCLA Reportable Quantity

This material does not contain any components with a CERCLA RQ.

SARA 304 Extremely Hazardous Substances Reportable Quantity

This material does not contain any components with a section 304 EHS RQ.

SARA 302 Extremely Hazardous Substances Threshold Planning Quantity

This material does not contain any components with a section 302 EHS TPQ.

SARA 311/312 Hazards : No SARA Hazards

SARA 313 : This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

US State Regulations

Pennsylvania Right To Know

Water	7732-18-5
tributyl O-acetylcitrate	77-90-7
Glycerine	56-81-5
Oils, sesame	8008-74-0
Silica gel, precipitated, crystalline free	112926-00-8

California Permissible Exposure Limits for Chemical Contaminants

Glycerine	56-81-5
Oils, sesame	8008-74-0
Silica gel, precipitated, crystalline free	112926-00-8

SAFETY DATA SHEET

according to the OSHA Hazard Communication Standard



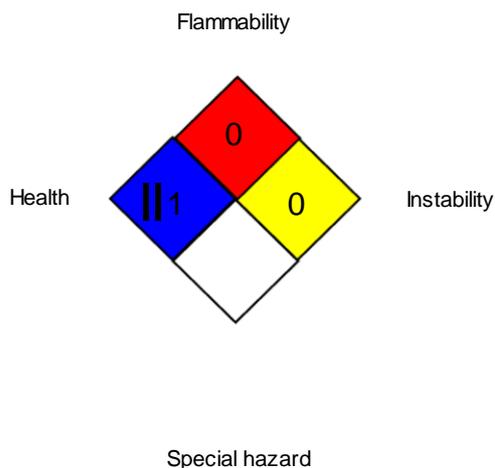
Barricor Essential Mosquito Control

Version 6.0 Revision Date: 01/21/2025 SDS Number: 11296164-00007 Date of last issue: 01/16/2025
Date of first issue: 11/21/2023

SECTION 16. OTHER INFORMATION

Further information

NFPA 704:



HMIS® IV:

HEALTH	/	1
FLAMMABILITY		0
PHYSICAL HAZARD		0

HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. The "*" represents a chronic hazard, while the "/" represents the absence of a chronic hazard.

Full text of other abbreviations

- NIOSH REL : USA. NIOSH Recommended Exposure Limits
OSHA Z-3 : USA. Occupational Exposure Limits (OSHA) - Table Z-3 Mineral Dusts
NIOSH REL / TWA : Time-weighted average concentration for up to a 10-hour workday during a 40-hour workweek
OSHA Z-3 / TWA : 8-hour time weighted average

AIIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Testing of Materials; bw - Body weight; CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DOT - Department of Transportation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; EHS - Extremely Hazardous Substance; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; HMIS - Hazardous Materials Identification System; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; MSHA - Mine Safety and Health Administration; n.o.s. - Not Otherwise Specified; NFPA - National Fire Protection Association; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NTP - National Toxicology Program; NZIoC - New Zealand Inventory of

SAFETY DATA SHEET

according to the OSHA Hazard Communication Standard



Barricor Essential Mosquito Control

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Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; RCRA - Resource Conservation and Recovery Act; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RQ - Reportable Quantity; SADT - Self-Accelerating Decomposition Temperature; SARA - Superfund Amendments and Reauthorization Act; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TECl - Thailand Existing Chemicals Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative

Sources of key data used to compile the Material Safety Data Sheet : Internal technical data, data from raw material SDSs, OECD eChem Portal search results and European Chemicals Agency, <http://echa.europa.eu/>

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Items where changes have been made to the previous version are highlighted in the body of this document by two vertical lines.

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