



SAFETY DATA SHEET

Section 1: Product Identification

Product Name: Flock Free Mosquito Control
General Use: Insect control (25b exemption)
Supplier: Flock Free Bird Control
644 Cross Street, Unit 4
Lakewood, NJ 08701
Phone: (732) 987-5400
Emergency (24 hour): (732) 987-5400
Revision date: June 16, 2017

Section 2: Hazards Identification

Emergency Overview (OSHA Hazards): WARNING! Causes skin irritation. Causes serious eye irritation.

Hazard Classification (categories in parentheses): Irritant (skin: 2, eyes: 2A).

HMIS Rating:

Health 1
Flammability 1
Reactivity 0



WARNING!

Personal protection ration to be supplied by user depending on use conditions.

Hazard Statements: H315 Causes skin irritation
H319 Causes serious eye irritation

Precautionary Statements: P262 Do not get in eyes, on skin, or on clothing
P264 Wash face, hands and any exposed skin thoroughly after handling
P280 Wear protective gloves/protective clothing/eye protection/face protection
P301 + P311 + P330 IF SWALLOWED: Call a POISON CENTER or doctor/physician. Rinse mouth.
P302 + P352 + P362 + P333 + P314 IF ON SKIN: Wash with soap and water. Take off contaminated clothing and wash before reuse If skin irritation or a rash occurs: Get medical advice/attention if you feel unwell.
P304 + P341 + P342 + P322 + P314 IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. If

experiencing respiratory symptoms: Administer oxygen and get medical advice/attention if you feel unwell.

P305 + P351 + P322 + P338 + P313 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. Get medical advice/attention.

P501 Dispose of contents/ container to an approved waste disposal plant

NOTE—Information provided in this SDS represents characteristics and physical data of the concentrated material as supplied.

Section 3: Composition

Chemical Family: Blend of minimum risk active and inert ingredients

<i>Ingredient</i>	<i>Wt %</i>	<i>CAS Number</i>	<i>OSHA PEL</i>	<i>ACGIH TLV</i>	<i>NIOSH REL</i>	<i>NIOSH IDLH</i>
Thyme oil	10%	8007-46-3	N/A	N/A	§ 10 mg/m ³	N/A
Garlic oil	9%	8000-78-0	N/A	N/A	N/A	N/A
Corn Oil	6%	8001-30-7	§ * 15mg/m ³	N/A	N/A	N/A
Geraniol	6%	106-24-1	N/A	N/A	N/A	N/A
Clove oil	5%	8000-34-8	N/A	N/A	N/A	N/A
Citric Acid	4%	77-92-9	N/A	N/A	N/A	N/A
Peppermint oil	4%	8006-90-4	N/A	N/A	N/A	N/A
Rosemary oil	2%	8000-25-7	N/A	N/A	N/A	N/A
Sodium Chlorite	2%	7758-19-2	N/A	N/A	N/A	N/A
Filtered Water		7732-18-5	N/A	N/A	N/A	N/A
Vinegar		8028-52-2	N/A	N/A	N/A	N/A
Saponified Coconut Palm oil	52%	Compound	N/A	N/A	N/A	N/A
Isopropyl Alcohol		67-63-0	400ppm	200ppm	400ppm	2000ppm
Potassium Sulfate		7778-80-5	N/A	N/A	N/A	N/A

* TWA † calculated § mist only

NOTE—Some components of this product are proprietary, and the formulation is maintained as a Trade Secret. Safety and hazard information in this SDS are for the blended formulation as supplied. Specific formulation information is immediately available to treating physicians or nurses in emergency situations, or to health professionals, employees, or designated representatives in non-emergencies where prior written consent is obtained.

Section 4: First Aid

Most important symptoms/effects: Serious eye irritant. Skin irritant.

Inhalation: Remove individual to fresh air. If breathing is difficult, administer oxygen. If not breathing, give artificial respiration. Get medical advice/attention if you feel unwell.

Skin Contact: Remove contaminated clothing and foot wear. Wash thoroughly with soap and water and do not reuse clothing until properly cleaned. If a rash should develop, get medical advice/attention.

Eye Contact: Immediately flush eyes with plenty of cool, clean water for at least 15 minutes. Keep eyelids apart to maintain maximum contact with water. Do not allow the individual to rub their eyes. Get medical advice/attention.

Ingestion: If individual is conscious and able to swallow, quickly have the victim drink water to dilute. Do not give anything by mouth if individual is unconscious or is having convulsions. Contact a physician or poison control center for advice/attention.

Section 5: Fire and Explosion Data

Flash Point: > 212 Fahrenheit – Tag Closed Cup

Extinguishing Media: Water spray, foam, dry chemical or carbon dioxide. Use water spray to keep fire-exposed containers cool. If a spill or leak has ignited, use water spray to disperse the vapors. Water spray may be used to flush spills away from a fire. Do not flush into a storm drain or public sewer.

Special Procedures: Use self-contained breathing apparatus (SCBA) and proper personal protection clothing.

Unusual Hazards: There are no known unusual explosion or fire hazards associated with this material in its virgin form. However, in a fire-fighting scenario involving multiple chemicals, vapors can be released that might contain oxides of carbon, and firefighters should attack and contain fire and any fumes accordingly.

Section 6: Accidental Release Procedures

Personal precautions, protective equipment, and emergency procedures: Clear area of non-essential personnel. Use proper personal protective equipment (PPE).

Methods and materials for containment and cleaning up: Contain spill or leak and soak up as much material as possible. Put collected material into suitable containers for disposal. Close or cap valves and/or block or plug hole in leaking container and transfer to another container. Use appropriate containment to avoid runoff or release to sewer or waterways.

Recovered solids or liquids may be disposed of in a permitted waste management facility. Consult Federal, state or local disposal authorities for approved procedures. Any disposal must be in compliance with Federal, state, or local regulations.

Section 7: Handling and Storage

Precautions for safe handling: Eye wash and safety showers are recommended in the immediate work area. Check with your State OSHA to determine the maximum distance for stations to be placed in regards to possible chemical exposure.

Conditions for safe storage, including any incompatibilities: The material is safe to store at ambient temperatures of between 35° and 120° F. Keep containers closed when not in use to prevent evaporative losses and possible contamination.

Section 8: Employee Protection and Control Measures

NOTE—No exposure standard exists for the formulated product.

Appropriate engineering controls: Normal ventilation has been found to be generally adequate. The end user must determine if the process or methods involved with the use of this material requires any additional ventilation.

Individual protection measures, such as personal protective equipment:

Eye Protection: Safety glasses with side shields or splash proof chemical goggles should be used when working with concentrated product. If product is being sprayed or splashing is possible, splash proof chemical goggles or a splash shield in accordance with 29 CFR 1910.133 is recommended. Appropriate eye protection must be worn instead of, or in conjunction with, contact lenses.

Skin Protection: As is a good practice with all materials, chemical resistant gloves, including rubber, butyl, or neoprene, should be worn when working with the product to avoid skin contact.

Respiratory Protection: Not normally required. In situations where a risk of inhalation occurs, such as where product is being misted, a respirator or air delivery system in accordance with 29 CFR 1910.134 (OSHA), 42 CFR 84 (NIOSH), and any other applicable regulations may be recommended.

Other: Not generally required under normal working conditions. The end user must determine if the process or methods involved required other personal protection clothing and/or equipment.

Work/Hygienic Practices: Do not consume food, drink, or smoke in areas where chemicals are being stored or handled. After working with chemicals wash hands thoroughly before handling food or beverages. Segregate and launder contaminated clothing before reuse.

Section 9: Physical and Chemical Properties

Appearance: Amber or Yellow Liquid

Odor: Mild

Odor threshold: Not tested

pH: 10.6 Typical

Melting point/freezing point: 25° F (- 4° C)

Initial boiling point and range: > 212° F

Flash Point: > 212° Fahrenheit – Tag Closed Cup

Evaporation Rate: Less than water

Flammability (solid, gas): Not applicable

Upper/lower flammability or explosive limits: Not tested

Vapor pressure: < 0.01 mm Hg estimated

Vapor Density: Heavier than air

Relative density: Specific Gravity (H₂O = 1): 1.001 typical

Solubility (water): Dispersible

Partition coefficient: n-octanol/water: Not tested

Auto-ignition temperature: Not applicable

Decomposition temperature: Not applicable

Viscosity: Not tested

Stability: Stable

Percent Volatiles: Not tested

Section 10: Stability and Reactivity

Reactivity: Product is stable as delivered

Chemical Stability: Stable

Possibility of hazardous reactions: Heat may be generated in contact with strong oxidizers.

Conditions to avoid (e.g., static discharge, shock, or vibration): None known.

Incompatible materials: Avoid contact with strong oxidizers.

Hazardous decomposition products: Oxides of carbon.

Polymerization: Will not occur.

Section 11: Toxicological Information

Acute Toxicity Data: Not tested, but expected to be low toxicity based on ingredients

Irritant Data: Possible skin irritant; serious eye irritant

Primary Routes of Exposure (Acute):

Eye and Skin Exposure: May cause mild but reversible skin irritation with prolonged or repeated exposure to concentrated product. Concentrated product can cause serious irritation to eyes.

Inhalation: No long-term effects are expected, but excessive breathing of vapors may cause discomfort, dizziness, or mild irritation.

Ingestion: No long-term effects are expected with ingestion of small quantities, but swallowing concentrated product may lead to gastrointestinal irritation, diarrhea, or nausea.

Primary Routes of Exposure (Chronic):

The effects from chronic exposure to this product have not been fully evaluated, but none are expected with the formulated product.

Carcinogenicity: None of the components present in this material are listed on the IARC, NTP, or OSHA carcinogen lists.

Safety Precautions: As with all chemicals, avoid contact with eyes, skin, and clothing; wash thoroughly after handling, especially before eating, drinking, or smoking.

Section 12: Ecological Information

Contact your Flock Free representative for assistance.

Section 13: Disposal Considerations

Waste Disposal: All disposals of this material must be done in accordance with Federal, state and local regulations. Waste characterization and compliance with disposal regulations are the responsibilities of the waste generator.

Section 14: Transportation Information

DOT Proper Shipping Name: Non hazardous

DOT/IMO Proper Shipping Name: Not regulated

Section 15: Regulatory Information

Toxic Substances Control Act (TSCA) Status: All ingredients in this product appear on either the public TSCA inventory or the confidential TSCA inventory.

EPCRA, Section 311: Health: Immediate Health (possible skin irritant, serious eye irritant).

FIFRA exemption: Flock Free represents that this product qualifies for exemption from registration under the Federal Insecticide, Fungicide, and Rodenticide Act, according to Section 25(b).

Section 16: Other Information

Last Revision: NA

Current Revision: NA

Revision summary: NA

Prepared By: Flock Free Bird Control LLC.

This information is related only to the specific material designated herein and does not relate to use in combination with any other material or in any process. Such information is to the best of our knowledge and belief, accurate and reliable as of the date compiled. However, no representation, warranty or guarantee is made as to its accuracy, reliability, or completeness. It is the user's responsibility to satisfy himself as to the suitability and completeness of this information for his own particular use. We do not accept liability for any loss or damage that may occur from the use of this information, nor do we offer warranty against patent infringement.

End of SDS