

Safety Data Sheet

According to OSHA HCS (29 CFR § 1910.1200(g)) as Published in the Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012

1 IDENTIFICATION

Product Identifier:

Product Name:
Product Code:
Formula Number: 021715-3-A-SNE (RTU)
Synonyms: N/A: Product is a proprietary mixture.

Distributor Information:

Toll Free:
Phone:
Fax:
Email:
Website:

Emergency Phone Numbers:

Recommended Use: This product is an insecticidal and repellent liquid spray for use on pets.
Use Restrictions: Use only according to label directions and precautionary statements.

2 HAZARDS IDENTIFICATION

Hazard Classification: This mixture is considered hazardous by the 2012 OSHA Communication Standard (29 CFR 1910.1200).
Skin Sensitization: Category 1

Precautionary Statements: **WARNING:** May cause an allergic skin reaction.



Prevention: Avoid breathing fume/mist/vapors/spray. Contaminated work clothing should not be allowed out of the work-place. Wear protective gloves.

Response: **If on skin:** Wash with plenty of soap and water. If irritation or rash occurs, get medical advice/attention. Wash contaminated clothing before reuse.

Storage: None.

Disposal: Dispose of contents/container to an approved waste disposal plant.

Hazards Not Otherwise Classified: Not applicable.

Unknown Toxicity: 7.8952% of the mixture consists of ingredient(s) of unknown toxicity.

Other Information: Causes mild skin irritation. Repeated or prolonged skin contact may cause allergic reactions with susceptible persons.

Interactions with Other Chemicals: No information available.

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3 COMPOSITION / INFORMATION ON INGREDIENTS

Active Ingredients: 1.90% Thyme Oil (CAS No. 8007-46-3), 0.05% Geraniol (CAS No. 106-24-1) and 0.05% Lemongrass Oil (CAS No. 8007-02-1)
Inert Ingredients: 98% Proprietary mixture of Water (CAS No. 7732-18-5), Soap (CAS No. Not Applicable), Potassium Oleate (CAS No. 143-18-0), Polyglyceryl Oleate (CAS No. 9007-48-1), Glycerin (CAS No. 56-81-5), Lecithins (CAS No. 8002-43-5), Myristic Acid (CAS No. 544-63-8), Potassium Stearate (CAS No. 593-29-3), Hydroxypropyl Methyl Cellulose (CAS No. 9004-65-3), Sodium Chloride (CAS No. 7647-14-5), Palmitic Acid (CAS No. 57-10-3) and Stearic Acid (CAS No. 57-11-4).
Exact percentages of Inert Ingredients are withheld as a trade secret.

4 FIRST-AID MEASURES

General Advice: Show this safety data sheet to the doctor in attendance.
Eye Contact: Thoroughly rinse with plenty of water, also under the eyelids. If symptoms persist, call a physician.
Skin Contact: Wash with soap and water. May cause an allergic skin reaction. In the case of skin irritation or allergic reactions see a physician.
Inhalation: Move to fresh air.
Ingestion: Immediately rinse mouth and drink plenty of water. Do not give anything by mouth to an unconscious person.
Most Important Symptoms and Effects: Itching, rashes and/or hives.
Note to Physician: May cause sensitization in susceptible persons. Treat symptomatically.

5 FIRE-FIGHTING MEASURES

Suitable Extinguishing Media: Use measures that are appropriate to local circumstances and the surrounding environment.
Unsuitable Extinguishing Media: CAUTION: Use of water spray when fighting fire may be inefficient.
Specific Hazards Arising from this Mixture: Product is or contains a sensitizer. May cause sensitization by skin contact.
Uniform Fire Code: Sensitizer: Liquid.
Hazardous Combustion Product(s): Carbon oxides.
Sensitivity to Mechanical Impact: No.
Sensitivity to Static Discharge: No.
Protective Equipment and Precautions for Firefighters: As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6 ACCIDENTAL RELEASE MEASURES

Personal Precautions: Avoid contact with skin, eyes or clothing. Use personal protective equipment as required.
Environmental Precautions: Refer to protective measures listed in Sections 7 and 8.
Containment Methods: Prevent further leakage or spillage if safe to do so.
Cleanup Methods: Pick up and transfer to properly labeled containers. Soak up with inert absorbent material.

7 HANDLING AND STORAGE

Precautions for Safe Handling: Handle in accordance with good industrial hygiene and safety practices. Avoid contact with skin, eyes or clothing. Do not eat, drink or smoke when using this product. Take off contaminated clothing and wash before reuse.
Storage Recommendations: Keep containers tightly closed in a dry, cool and well-ventilated place. Store locked up. Keep out of the reach of children.
Incompatible Products: None known.

8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Control Parameters - Exposure Guidelines

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 Measures: Showers; eyewash stations; ventilation systems.

Individual Protection Measures – Personal Protective Equipment:

Eye/Face: Wear safety glasses with side shields (or goggles).

Skin/Body: Wear protective gloves and protective clothing.

Respiratory: No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.

Hygiene Measures: Handle in accordance with good industrial hygiene and safety practice.

9 PHYSICAL AND CHEMICAL PROPERTIES

Auto-ignition temperature:	N/A	Partition coefficient: n-octanol/water:	N/D
Color:	Colorless to pale yellow	pH:	6.9
Decomposition temperature:	N/D	Physical state:	Liquid
Evaporation rate:	N/D	Relative density:	1.1
Flammability (solid,gas):	N/A	Solubility(ies):	Complete in water
Flash point:	N/A	Upper/lower explosive limits:	N/A
Freezing point:	N/D	Upper/lower flammability limits:	N/A
Initial boiling point and range:	N/D	Vapor pressure:	N/D
Melting point:	N/A	Viscosity:	N/D
Odor:	Lemon	N/A = Not Applicable	N/D = Not Determined

10 STABILITY AND REACTIVITY

Reactivity:	No data available.
Chemical Stability:	Stable under recommended storage conditions.
Possibility of Hazardous Reactions:	None under normal processing.
Hazardous Polymerization:	Does not occur.
Conditions to Avoid:	None known.
Incompatible Materials:	None known.
Hazardous Decomposition Products:	Carbon oxides.

11 TOXICOLOGICAL INFORMATION

Information on likely routes of exposure:

Inhalation: Specific test data for the substance of mixture is not available.

Eye Contact: Specific test data for the substance of mixture is not available.

Skin Contact: Specific test data for the substance of mixture is not available.

Ingestion: Specific test data for the substance of mixture is not available.

Component Information

Chemical Name	Oral LD50	Dermal LD50	Inhalation LD50
Oils, thyme	= 2840 mg/kg (rat)	> 5 g/kg (rabbit)	-
Potassium Oleate	> 5 g/kg (rat)	> 2 g/kg (rat)	-
Myristic acid	> 10 g/kg (rat)	-	-

Information on toxicological effects:

Symptoms: Itching, rashes and/or hives.

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

Sensitization: May cause sensitization in susceptible persons. May cause sensitization by skin contact.

Mutagenic Effects: No information available.

Carcinogenicity: Contains no ingredient listed as a carcinogen.

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Reproductive Toxicity: No information available.
STOT-Single Exposure: No information available.
STOT-Repeated Exposure: No information available.
Chronic Toxicity: No known effect based on information supplied.
Target Organ Effects: Skin
Aspiration Hazard: No information available.

Numerical Measures of Toxicity – Product Information:

The following value is calculated based on Chapter 3.1 of the GHS document: Not Applicable.

12 ECOLOGICAL INFORMATION (NON-MANDATORY)

Exotoxicity

The environmental impact of this product has not been fully investigated.

Chemical Name	Toxicity to Algae	Toxicity to Fish	Toxicity to Microorganisms	<i>Daphnia magna</i> (water flea)
Myristic acid		96h LC50 = 118 mg/L (<i>Oryzias latipes</i>)		16h EC50 > 27 mg/L

Persistence and Degradability: No information available.

Bioaccumulation:

Chemical Name / CAS Number	Log Pow
Myristic acid / 544-63-8	5.9

Other Adverse Effects: No information available.

13 DISPOSAL CONSIDERATIONS (NON-MANDATORY)

Disposal Methods: This material, as supplied, is not a hazardous waste according to Federal regulations (40 CFR 261). This material could become a hazardous waste if it is mixed with or otherwise comes in contact with a hazardous waste, if chemical additions are made to this material or if the material is processed or otherwise altered. Consult 40 CFR 261 to determine whether the altered material is a hazardous waste. Consult the appropriate state, regional, or local regulations for additional requirements.

Contaminated Packaging: Dispose of contents/containers in accordance with local regulations.

California Hazardous Waste Code: 232

14 TRANSPORT INFORMATION (NON-MANDATORY)

This product is not regulated for transport.

15 REGULATORY INFORMATION (NON-MANDATORY)

This product has not been registered by the United States Environmental Protection Agency. The company identified in Section 1 represents that this product qualifies for exemption from registration under FIFRA Sec. 25(b).

International Inventories: TSCA: Complies DSL: All components are listed either on the DSL or NDSL
TSCA: United States Toxic Substances Control Act Section 8(b) Inventory
DSL/NDSL: Canadian Domestic Substances List/Non-Domestic Substances List

U.S. Federal Regulations:

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SARA 313: Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 ("SARA"). This product does not contain any chemicals that are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

SARA 311/312 Hazard Categories:

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

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

CERCLA (Comprehensive Environmental Response Compensation and Liability Act): This material, as supplied, does not contain any substances regulated as hazardous under CERCLA (40 CFR 302) of 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.

U.S. State Regulations:

California Proposition 65: This product does not contain any Proposition 65 chemicals.

International Regulations:

Canada WHMIS Class: Not Determined.

16 OTHER INFORMATION

NFPA: Health Hazards: 2	Flammability: 0	Instability: 0	Physical and Chemical Hazards-Personal Protection: X
HMIS: Health Hazards: 2	Flammability: 0	Physical Hazard: 0	Physical and Chemical Hazards-Personal Protection: X

SDS Information:

Number:	021715 RTU
Date Prepared:	11/09/2016
Version:	1

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, process, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific designated material and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.