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1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND OF THE COMPANY / UNDERTAKING

1.1 Product Identifier

Product Name: EcoSMART Ant and Roach Killer

Synonyms: KIT-018
Item # 33103, 33107 and 33206

1.2 Relevant Identified Uses of the Substance or Mixture and Uses Advised Against

Recommended Use: Insecticide, Ant & Cockroach Killer Aerosol

Uses Advised Against: No information available

1.3 Details of the Supplier of the Safety Data Sheet

Supplier Name: EcoSMART, a division of Kittrich Corp.
Supplier Address: 1585 West Mission Blvd
Pomona, CA 91766, USA

Supplier Phone Number: Phone: (714) 736-1000

Supplier Email: DwightD@kittrich.com

1.4 Emergency Telephone Number: Info Trac Chemical Response System
800-535-5053 (24 hours)

2. HAZARDS IDENTIFICATION

2.1 Classification of the Substance or Mixture

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Eye irritation	Category 2B
Skin sensitization	Category 1B
Flammable aerosol	Category 2
Gases under pressure	Compresses gas

2.2 GHS Label Elements Including Hazard and Precautionary Statements

Signal Word:

Warning



Hazard Statements

- H319** - Causes serious eye irritation.
H317 - May cause an allergic skin reaction.
H223 - Flammable aerosol.
H280 - Contains gas under pressure; may explode if heated.

Precautionary Statements

- P261** - Avoid breathing dust/fume/gas/mist/vapours/spray.
P271 - Use only outdoors or in a well-ventilated area.
P251 - Pressurized container: Do not pierce or burn, even after use.

Skin

- P302 + P352** - IF ON SKIN: Wash with plenty of soap and water. IF ON SKIN: Wash with plenty of soap and water.
P333 + P313 - If skin irritation or rash occurs: Get medical advice/attention.

Inhalation

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

Precautionary Statements - Storage

- P403 + P235** – Store in a well-ventilated place. Keep cool.

Precautionary Statements - Disposal

- P501** – Dispose of contents/container to an approved waste disposal facility

2.3 Hazards Not Otherwise Classified (HNOC)

No data available

2.4 Unknown Acute Toxicity

No data available

Other Information:

Repeated or prolonged skin contact may cause mild allergic reactions with susceptible persons.
 Specific data regarding toxicity to fish and other aquatic organisms is not available for this product.
 Care should always be taken to prevent insecticides from entering aquifers.

Interactions with Other Chemicals:

Irritants. Sensitizers. Epoxies.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	CAS No.	Weight-%	Trade Secret
Rosemary oil	8000-25-7	1.5	-
Peppermint oil	8006-90-4	1.5	-
water, 2-propanol, white mineral oil, wintergreen oil, polyglyceryl oleate, sodium benzoate, vanillin, nitrogen propellant	-	-	To 100%

4. FIRST AID MEASURES

4.1 Description of First-Aid Measures

General Advice

Never give anything by mouth to an un-conscious person.
If you feel unwell, seek medical advice and show this safety data sheet to the doctor in attendance.

First-aid Measures After Inhalation

Remove to fresh air. If symptoms persist, seek medical advice.

First-aid Measures After Skin Contact

Wash skin with soap and water. In the case of skin irritation or allergic reactions seek medical advice.

Eye Contact

Rinse immediately with plenty of water, also under the eyelids for at least 15 minutes. Do not rub affected area.
If symptoms persist, call a physician and seek medical advice.

Ingestion

Do NOT induce vomiting. Rinse mouth immediately and drink plenty of water.
If symptoms persist, seek medical advice.

4.2 Most important Symptoms and Effects Both Acute and Delayed

Most Important Symptoms and Effects: Mild rash or itchy areas on skin.

4.3 Indication of Any Immediate Medical Attention and Special Treatment Needed

Notes to Physician

Treat symptomatically, may cause sensitization. Get medical advice, show label or SDS to physician.

5. FIRE-FIGHTING MEASURES

5.1 Suitable Extinguishing Media

Dry chemical. Carbon dioxide (CO₂). Water spray. Alcohol resistant foam.

Unsuitable Extinguishing Media

CAUTION: Use of water spray when fighting fire may be inefficient.

5.2 Specific Hazards Arising from the Chemical

Contact hazard: May cause slight sensitization by skin contact. Not highly flammable.

Uniform Fire Code: Aerosols: Level II

Explosion Hazard: Not explosive

Sensitivity to Mechanical Impact: None

Sensitivity to Static Discharge: None

Hazardous Combustion Products: Carbon Oxides

5.3 Advice for Firefighters

Move containers from fire area if you can do so without risk. As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA / NIOSH (approved or equivalent). Wear full protective gear.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal Precautions, Protective Equipment and Emergency Procedures

General Measures: Avoid direct contact with eyes and skin. Do not breathe vapor or spray.

6.2 Environmental Precautions

Prevent entry to sewer drains and public waters. Refer to protective measures listed in Sections 7 and 8.

6.3 Methods and Materials for Containment and Cleaning Up

Methods for Containment: A vapor suppressing foam may be used to reduce vapors. Absorb or cover with dry earth, sand or other non-combustible material and transfer to containers.

Methods for Cleaning Up: Soak up with inert absorbent material. Pick up and transfer to properly labeled containers.

7. HANDLING AND STORAGE

7.1 Precautions for Safe Handling: Handle in accordance with good industrial hygiene and safety practice. Avoid breathing vapors or mists. Contents under pressure. Do not puncture or incinerate cans. Avoid contact with eyes. Keep away from open flames, hot surfaces and sources of ignition.

7.2 Precautions for Safe Storage: Keep containers tightly closed in a dry, cool and well-ventilated place. Protect from sunlight. Keep away from heat, flame and other sources of ignition. Keep in properly labeled containers. Keep in an area equipped with sprinklers. Store in accordance with the particular national regulations. Store in accordance with local regulations. No known incompatible products.

7.3 Specific End Use: Insecticidal aerosol spray

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control Parameters

For substances listed in section 3 that are not listed here, there are no established exposure limits from the manufacturer, supplier, importer or the appropriate advisory agency including: ACGIH, AIHA, NIOSH or OSHA.

Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Isopropyl alcohol 67-63-0	STEL: 400 ppm TWA: 200 ppm	TWA: 400 ppm TWA: 980 mg/m ³ (vacated) TWA: 400 ppm (vacated) TWA: 980 mg/m ³ (vacated) STEL: 500 ppm (vacated) STEL: 1225 mg/m ³	IDLH: 2000 ppm 10% LEL TWA: 980 mg/m ³ TWA: 400 ppm STEL: 500 ppm STEL: 1225 mg/m ³

ACGIH TLV: American Conference of Governmental Industrial Hygienists - Threshold Limit Value OSHA PEL: Occupational Safety and Health Administration - Permissible Exposure Limits NIOSH IDLH Immediately Dangerous to Life or Health

Other Exposure Guidelines: See section 15 for national exposure control parameters

8.2 Appropriate Engineering Controls

Appropriate Engineering Controls: Emergency eye wash fountain and safety shower should be available in the immediate vicinity of any potential exposure. Ensure adequate ventilation and proper grounding procedures to avoid electrostatic discharge.

Personal Protective Equipment:	Protective clothing, goggles, gloves, face shield and respiratory protection..
Eye and Face Protection:	Wearing safety glasses with side shields (or goggles) is recommended.
Skin and Body Protection:	Wear suitable protective clothing and gloves.
Respiratory Protection:	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 practices. Avoid contact with skin, eyes or clothing. Do not eat, drink or smoke when using this product. Wash hands before and immediately after handling the product.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Physical and Chemical Properties

Physical State	Water-based spray Aerosol	
Appearance:	Non-viscous white emulsion	Odor: Minty
Color:	White	Odor Threshold: No information available
<u>Property</u>	<u>Values</u>	<u>Remarks / Method</u>
pH:	7	
Melting / freezing point:	No data available	
Boiling point / boiling range:	Approx. 100°C	
Flashpoint:	30.1°C (86.2°F)	Closed cup
Evaporation rate:	No data available	
Flammability (solid, gas):	No data available	
Flammability (limit in air)		
Upper flammability limit:	No data available	
Lower flammability limit:	No data available	
Vapor pressure:	No data available	
Vapor density:	No data available	
Specific gravity:	0.97 g/mL	
Water solubility:	Soluble in water	
Solubility in other solvents:	No data available	
Partition coefficient: n-octanol / water:	No data available	
Autoignition temperature:	No data available	
Decomposition temperature:	No data available	
Kinematic viscosity:	No data available	
Dynamic viscosity:	No data available	
Explosive properties:	No data available	
Oxidizing properties:	No data available	
<u>Other Information</u>		
Softening point:	No data available	
VOC content (%):	15%	
Particle size:	No data available	
Particle size distribution:	No data available	

10. STABILITY AND REACTIVITY

10.1 Reactivity:	No data available.
10.2 Chemical stability:	Stable under recommended storage conditions.
10.3 Possibility of Hazardous Reactions:	None under normal processing. Polymerization does not occur.
10.4 Conditions to Avoid:	Direct sunlight, low or high temperatures, ignition sources.
10.5 Incompatible Materials:	None known based on information supplied.
10.6 Hazardous Decomposition Products:	Under normal conditions of storage, hazardous decomposition products should not be produced.

11. TOXICOLOGICAL INFORMATION

11.1 Information on Toxicological Effects

Product Information:	Product does not present an acute toxicity hazard based on known or supplied information.
Inhalation:	Specific test data for the substance or mixture is not available. May cause irritation of respiratory tract.
Eye Contact:	Specific test data for the substance or mixture is not available. Irritating to eyes. Expected to be an irritant based on components. May cause redness, itching, and pain. May cause temporary eye irritation.
Skin Contact:	Specific test data for the substance or mixture is not available. May cause irritation. Prolonged contact may cause redness and irritation.
Ingestion:	Specific test data for the substance or mixture is not available. Ingestion may cause irritation to mucous membranes. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Component Information:	Isopropyl alcohol (CAS: 67-63-0)	Oral LD ₅₀ 4396 mg/Kg	Inhalation LC ₅₀ 16,000 ppm (Rat) 8 Hour
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11.2 Delayed and Immediate Effects as Well as Chronic Effects From Short and Long-Term Exposure

Sensitization:	May cause sensitization of susceptible persons. May cause sensitization by skin contact. May cause sensitization by inhalation.
Mutagenic Effects:	No information available.
Carcinogenicity:	The table below indicates whether each agency has listed any ingredient as a carcinogen.

Chemical Name	ACGIH	IARC	NTP	OSHA
Isopropyl alcohol (CAS: 67-63-0)	-	Group 3	-	X
IARC (International Agency for Research on Cancer)				
Group 3 - Not Classifiable as to Carcinogenicity in Humans				
OSHA (Occupational Safety and Health Administration of the US Department of Labor)				
X - Present				

Reproductive Toxicity:	No information available.
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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 and eyes.
Aspiration Hazard:	No information available.

Numerical measures of toxicity Product Information

The following values are calculated based on chapter 3.1 of the GHS document:

Oral toxicity	Category 5
Dermal toxicity	Category 5
Gases, Vapors & Dusts	N/A

12. ECOLOGICAL INFORMATION

12.1 Ecotoxicity

Specific data regarding toxicity to fish and other aquatic organisms is not available for this product. Care should always be taken to prevent insecticides from entering aquifers.

12.2 Persistence and Degradability

No information available.

12.3 Bioaccumulation

No Bioaccumulation expected.

Chemical Name	Log Pow
Isopropyl alcohol (CAS: 67-63-0)	0.05

12.4 Mobility in soil:

Not established

12.5 Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS

13.1 Waste Treatment Methods

Disposal Methods:

This material, as supplied, is considered a hazardous waste according to Federal regulations (40 CFR 261). If this product becomes a waste, it would be expected to meet the criteria of a RCRA ignitable hazardous waste (D001). However, it is the responsibility of the generator to determine at the time of disposal the proper classification and method of disposal. Do not puncture or incinerate containers, even empty. Dispose in accordance with federal, state, and local regulations.

US EPA Waste Number:

D001

Contaminated Packaging:

Dispose of contents/containers in accordance with local regulations.

Chemical Name	California Hazardous Waste
Isopropyl alcohol 67-63-0	Toxic Ignitable

CWA (Clean Water Act)

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

CERCLA

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

US State Regulations:

California Proposition 65:

This product does not contain any Proposition 65 chemicals.

U.S. State Right-to-Know Regulations:

Chemical Name	Massachusetts	Pennsylvania	Rhode Island	Illinois
Isopropyl alcohol (CAS: 67-63-0)	X	X	X	-
Nitrogen (CAS: 7727-37-9)	X	X	X	-

International Regulations

Mexico

National occupational exposure limits

Component	Carcinogen Status	Exposure Limits
Isopropyl alcohol 67-63-0 (40 - 70)	Not Established	Mexico: TWA 400 ppm Mexico: TWA 980 mg/m ³ Mexico: STEL 500 ppm Mexico: STEL 1225 mg/m ³

Mexico - Occupational Exposure Limits - Carcinogens

Canada

WHMIS Hazard Class

- A - Compressed gases
- B5 - Flammable aerosol
- D2B - Toxic materials



16. OTHER INFORMATION

NFPA	Health Hazards 1	Flammability 2	Instability 0	Phys and Chem Hazards 0
HMIS	Health Hazards 1	Flammability 2	Physical Hazard 0	Personal Protection X

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Revision Note Rev. 07 – Reviewed Section 2 Classification and Hazard Statements

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

End of Safety Data Sheet