
Section 1 - Product and Company Identification

Product Identifiers:

Product Name:	Repel Plant-Based Lemon Eucalyptus Insect Repellent₂
EPA Registration Number:	305-62
Product Use:	Insect Repellent Pump Spray

Details of the Supplier of the Safety Data Sheet:

Manufacturer/Supplier:	Chemsico Div. of United Industries Corp. P.O. Box 142642 St. Louis, MO 63114
For product information:	1-800-880-1181
For medical emergencies:	1-800-633-2873

Section 2 - Hazards Identification

Conforms to Hazard Communication Standard 29 CFR 1910.1200.

GHS Classification of Substance or Mixture: Flammable liquid - category 3

GHS Label Elements:

Hazard pictogram(s):



Signal word:

WARNING

Hazard statements:

- Flammable liquid – Do not use or store near heat or open flame
- Causes serious eye irritation
- Harmful if swallowed
- May cause an allergic skin reaction

Precautionary Statements:

- Keep away from heat/sparks/open flames/hot surfaces. No smoking. Keep container tightly closed. Use explosion-proof equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Wear eye protection/face protection.
- Wash hands thoroughly with soap and water after handling. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
- Do not eat, drink or smoke when using this product. If swallowed: Call a poison control center or doctor for treatment advice if you feel unwell. Rinse mouth.
- If skin irritation occurs: Get medical attention/advice. Take off contaminated clothing and wash before reuse.

Section 3 - Composition / Information on Ingredients

Chemical Name	CAS#	Weight Percent
Citriodiol	129828-24-6	30.0%
SDA-40B alcohol	64-17-5	45.0%

Note: Ingredients not identified are proprietary or non-hazardous. Values are not product specifications.

Section 4 - First Aid Measures

Eye contact:	Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing. Call a poison control center or doctor for treatment advice.
Skin contact:	After returning indoors, wash treated skin with soap and water. Discontinue use if irritation or rash occurs.
Inhalation:	No special requirements
Ingestion:	Call a poison control center or doctor immediately for treatment advice. Have person sip water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.
Notes to physician:	None
General advice:	If you feel unwell, seek medical advice (show the label where possible). Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Keep out of reach of children.

Section 5 - Fire Fighting Measures

Flammable properties:	Flammable liquid – category 3. Flashpoint 77°F.
Suitable extinguishing media:	Water fog, alcohol resistant foam, CO ₂ , dry chemical
Unsuitable extinguishing media:	Not available
Specific hazards arising from the chemical:	Flammable liquid. Vapors are heavier than air and may travel to a source of ignition and flash back. Liquid run-off to sewers may create fire/explosion hazard. Container may melt and leak in heat of fire. Do not allow run-off from firefighting to enter drains or water courses.
Protective equipment for firefighters:	Firefighters should wear full protective clothing including self-contained breathing apparatus.
Hazardous combustion products:	None known
Sensitivity to mechanical impact:	None known
Explosion data:	Not available
Sensitivity to static discharge:	Not available
Personal precautions:	Keep unnecessary personnel away. Do not touch or walk through spilled material. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Keep people away from and upwind of spill/leak.

Section 6 - Accidental Release Measures

Personal precautions:	Remove all sources of ignition. Beware of vapors accumulating to form explosive concentrations. Vapors can accumulate in low areas. Wear personal protective equipment. Wash thoroughly after handling.
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For emergency responders: If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials.

Environmental precautions: Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Methods for containment and cleaning up: Stop leak if without risk. Move containers from spill area. Before attempting clean up, refer to hazard data given above. Small spills may be absorbed with earth, sand or absorbent material swept up and placed in suitable, covered, and labeled containers. Prevent large spills from entering sewers or waterways. Contact emergency services and supplier for advice. Never return spills in original containers for re-use.

Section 7 - Handling and Storage

Precautions for safe handling: Put on appropriate personal protective equipment. Flammable liquid – keep away from sources of ignition. Take measures to prevent the buildup of electrostatic charge.

Storage: Store product in a cool, dry place, out of reach of children. Keep container closed when not in use. Keep away from food, drink and animal feedingstuffs. Keep tightly closed. Non-refillable container. Do not reuse or refill this container. Place in trash or offer for recycling if available.

Section 8 - Exposure Controls / Personal Protection

Exposure guidelines:

Components with Occupational Exposure Limits							
		Exposure Limits					
		OSHA PEL		ACGIH TLV		SupplierOEL	
Chemical name		Ppm	mg/m ³	ppm	mg/m ³	ppm	mg/m ³
Citriodiol	TWA	None		None		None	
Ethanol	TWA	1000	1900	1000	-----	1000	1900

Engineering controls: General ventilation normally adequate.

Personal protective equipment:

Eye/Face protection: During application, prevent entry into eyes. Wear safety glasses with side shields if using in large applications.

Skin and body protection: Wash hands after use. After returning indoors, wash treated skin with soap and water.

Respiratory protection: Where exposure guideline levels may be exceeded, use an approved NIOSH respirator.

General hygiene considerations: Handle in accordance with good industrial hygiene and safety practice. When using, do not eat or drink. Wash hands before breaks and immediately after handling the product.

Section 9 - Physical & Chemical Properties

Appearance:	Clear
Color:	Yellow
Physical state:	Liquid
Odor:	Lemon eucalyptus
Odor threshold:	No data available
pH:	6.8 – 7.8
Melting point:	No data available
Freezing point:	No data available
Boiling point:	No data available
Flash point:	77°F
Evaporation rate:	No data available
Flammability limits in air, lower, % by volume:	No data available
Flammability limits in air, upper, % by volume:	No data available
Vapor pressure:	No data available
Vapor density:	No data available
Relative density @ 20°C:	0.90
Octanol/water coefficient:	No data available
Auto-ignition temperature:	No data available
Decomposition temperature:	No data available
Solubility:	Soluble in water
% Volatile organic compounds:	75.0

Section 10 - Chemical Stability & Reactivity Information

Reactivity

Conditions to avoid:	Do not mix with other chemicals.
Incompatible materials:	Oxidizers

Chemical stability

Product stability:	Stable under recommended storage conditions.
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Other

Hazardous decomposition products:	None known
Possibility of hazardous reactions:	Hazardous polymerization does not occur.

Section 11 - Toxicological Information

Primary eye irritation:	Causes substantial but temporary eye injury (EPA tox. category II)
Primary skin irritation:	Non-irritating (EPA tox. category IV)
Acute dermal:	LD ₅₀ > 5000 mg/kg (EPA tox. category IV)

Acute inhalation:	LC ₅₀ > 2 mg/L (EPA tox. category IV)
Acute oral:	LD ₅₀ > 2000 mg/kg (EPA tox. category III)
Sensitization:	May cause allergic reaction after repeated contact.
Chronic effects:	No data available
Carcinogenicity:	No data available
Mutagenicity:	No data available
Reproductive effects:	No data available
Teratogenicity:	No data available
Ecotoxicity:	No data available

Section 12 - Ecological Information

Environmental effects:	No data available
Aquatic toxicity:	None
Persistence / degradability:	No data available
Bioaccumulation / accumulation:	No data available
Partition coefficient:	No data available
Mobility in environmental media:	No data available
Chemical fate information:	No data available

Section 13 - Disposal Considerations

Waste codes:	Not available
Disposal instructions:	Dispose in accordance with all applicable regulations.
Waste from residues/unused products:	Not available
Contaminated packaging:	Not available

Section 14 - Transportation Information

U.S. Department of Transportation (DOT):	UN-1993, Flammable Liquid, 3, PG-III, Limited Quantity
IATA:	UN-1993, Flammable Liquid, 3, PG-III
IMDG:	UN-1993, Flammable Liquid, 3, PG-III, Limited Quantity

Section 15 - Regulatory Information

29 CFR 1910.1200 hazardous chemical Occupational Safety and Health Administration (OSHA) :	No
CERCLA (Superfund) reportable quantity:	Not available

Hazard categories

Superfund Amendments and Reauthorization Act of 1986 (SARA):	
Immediate Hazard	No

Delayed Hazard	No
Fire Hazard	No
Pressure Hazard	No
Reactivity Hazard	No

Section 302 extremely hazardous Substance:

No

Section 311 hazardous chemical:

No

Clean Air Act (CAA):

Not available

Clean Water Act (CWA):

Not available

State regulations:

None

FIFRA labeling: This chemical is a pesticide product registered by the Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets, and for workplace non-pesticide chemicals. Following is the hazard information as required on the pesticide label:

Signal word: WARNING

Precautionary statements:

Causes substantial but temporary eye injury. Harmful if swallowed. Do not get in eyes. Wash hands thoroughly with soap and water after handling and before eating, drinking, chewing gum, or using tobacco. After returning from outdoors, wash product from all exposed skin. Do not allow children to apply this product to themselves. Do not apply to the hands of children. Do not use on children under the age of three years. May cause skin reactions for some people. Discontinue if irritation or rash appears. Do not apply over cuts, wounds or irritated skin.
COMBUSTIBLE. Do not use or store near heat or open flame.

Notification status: All ingredients of this product are listed or are excluded from listing on the U.S. Toxic Substances Control Act (TSCA) Chemical Substance Inventory.

California Prop. 65: This product does not contain any chemicals known to the state of California to cause cancer, birth defects or any other reproductive harm.

Disclaimer: Information contained herein was obtained from sources considered technically accurate and reliable. While every effort has been made to ensure full disclosure of product hazards, in some cases data is not available and is so stated. Since conditions of actual product use are beyond control of the supplier, it is assumed that users of this material have been fully trained according to the requirements of all applicable legislation and regulatory instruments. No warranty, expressed or implied, is made and supplier will not be liable for any losses, injuries or consequential damages which may result from the use of or reliance on any information contained in this document.

SECTION 16 - OTHER INFORMATION

HMIS ratings:	Health Hazard 2	Flammability 2	Physical Hazard 1
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Formula number(s):	HG-21-0922		
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