

## 1. Product and Company Identification

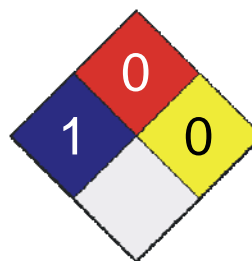
**Product Name** LiceMD® Complete Kit - Treatment Gel  
**CAS #** Mixture  
**This MSDS is designed for workplace employees, emergency personnel and for other conditions and situations where there is a greater potential for large-scale or prolonged exposure, in accordance with requirements of the U.S. Government's Occupational Safety and Health Administration (OSHA).**  
**This MSDS is not applicable for consumer use of our products. For consumer use, all precautionary and first aid language is provided on the product label in accordance with the applicable government regulation.**

**Product Use** Lice and egg treatment

**Distributed by** Reckitt Benckiser  
 Morris Corporate Center IV  
 399 Interpace Parkway  
 P.O. Box 225  
 Parsippany, NJ 07054-0225  
 In Case of Emergency: 1-800-338-6167  
 Transportation Emergencies: 24 Hour Number:  
 North America: CHEMTREC: 1-800-424-9300  
 Outside North America: 1-703-527-3887

LEGEND HMIS/NFPA	
Severe	4
Serious	3
Moderate	2
Slight	1
Minimal	0

Health	/ 1
Flammability	0
Physical Hazard	0
Personal Protection	



## 2. Hazards Identification

**Emergency overview** This product is regulated by the Food, Drug and Cosmetic Act.

**WARNINGS:** For external use only.  
 Do not use near eyes, inside nose, mouth or vagina or on lice in eyebrows or eyelashes. See a doctor if lice are present in these areas.  
 Ask a doctor before use if you are allergic to ragweed. May cause breathing difficulty or an asthmatic attack.  
 When using this product, keep eyes tightly closed and protect eyes with a washcloth or towel.  
 If product gets in eyes, flush with water right away.  
 Scalp itching or redness may occur.  
 Stop use and ask a doctor if: Breathing difficulty occurs, eye irritation occurs, skin or scalp irritation continues or infection occurs.  
 If swallowed, get medical help or contact a Poison Control Center right away.

KEEP OUT OF REACH OF CHILDREN.

### Potential short term health effects

**Routes of exposure** Eye, Skin contact, Inhalation, Ingestion.  
**Eyes** Avoid contact with eyes.  
 May cause eye irritation upon direct contact with the eyes.  
**Skin** None expected during normal conditions of use.  
 Not expected to be a skin sensitizer.  
**Inhalation** Ask a doctor before use if you are allergic to ragweed. May cause breathing difficulty or an asthmatic attack.  
**Ingestion** Health injuries are not known or expected under normal use.  
**Target organs** Eyes. Skin.  
**Chronic effects** The finished product is not expected to have chronic health effects.

<b>Signs and symptoms</b>	None expected during normal conditions of use.
<b>OSHA Regulatory Status</b>	This product is in compliance with Title 21 of the Code of Federal Regulations, Part 701 and 740.
<b>Potential environmental effects</b>	See section 12.

### 3. Composition / Information on Ingredients

Ingredient(s)	CAS #	Percent
Piperonyl butoxide	51-03-6	2.5 - 10
Pyrethrin	8003-34-7	0.1 - 1

### 4. First Aid Measures

#### First aid procedures

<b>Eye contact</b>	If product gets in eyes, flush with water right away. Remove any contact lenses and continue to rinse with water. Obtain medical attention if irritation develops or persists.
<b>Skin contact</b>	Stop use and consult your doctor if skin irritation or infection is present or develops, or if infestation of eyebrows or eyelashes occurs.
<b>Inhalation</b>	Remove to fresh air if inhalation causes eye watering, headaches, dizziness or other discomfort.
<b>Ingestion</b>	If swallowed, get medical help or contact a poison control center right away. If swallowed in quantity DO NOT INDUCE VOMITING! Wash out mouth with water. Seek medical advice.

#### Notes to physician

Treat patient symptomatically.

#### 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. Show this safety data sheet to the doctor in attendance. Avoid contact with eyes. Keep out of reach of children.

### 5. Fire Fighting Measures

<b>Flammable properties</b>	Not flammable by OSHA criteria.
<b>Extinguishing media</b>	
<b>Suitable extinguishing media</b>	Water spray. Dry chemical. Alcohol foam. Carbon dioxide.
<b>Unsuitable extinguishing media</b>	Not available
<b>Protection of firefighters</b>	
<b>Specific hazards arising from the chemical</b>	Not available
<b>Protective equipment for firefighters</b>	Firefighters should wear full protective clothing including self contained breathing apparatus.
<b>Hazardous combustion products</b>	May include and are not limited to: Oxides of carbon.
<b>Explosion data</b>	
<b>Sensitivity to mechanical impact</b>	Not available
<b>Sensitivity to static discharge</b>	Not available

### 6. Accidental Release Measures

<b>Personal precautions</b>	Do not touch or walk through spilled material. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Floors may become slippery. Keep unnecessary personnel away.
<b>Environmental precautions</b>	Do not discharge into lakes, streams, ponds or public waters. Advise authorities if product has penetrated drains, sewers or water pipes.
<b>Methods for containment</b>	Stop leak if you can do so without risk. Prevent entry into waterways, sewers, basements or confined areas.
<b>Methods for cleaning up</b>	Before attempting clean up, refer to hazard data given above. Small spills may be absorbed with non-reactive absorbent and placed in suitable, covered, labelled containers. Prevent large spills from entering sewers or waterways. Contact emergency services and supplier for advice. Never return spills to original containers for re-use.

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## 7. Handling and Storage

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<b>Handling</b>	Ensure adequate ventilation. For external use only. Avoid contact with eyes. When using do not eat or drink. Do not ingest. Keep carton for important product information.
<b>Storage</b>	Keep out of reach of children. Store between 20°C and 25°C (68°F-77°F). Avoid excessive heat. Keep from freezing. Keep in original container. Keep in cool, dry, ventilated storage.

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## 8. Exposure Controls / Personal Protection

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### Exposure limits

Ingredient(s)	Exposure Limits
Piperonyl butoxide	<b>ACGIH-TLV</b> Not established <b>OSHA-PEL</b> Not established
Pyrethrin	<b>ACGIH-TLV</b> TWA: 5 mg/m <sup>3</sup> <b>OSHA-PEL</b> TWA: 5 mg/m <sup>3</sup>

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**Engineering controls** Not normally required if good ventilation is maintained.

### Personal protective equipment

**Consult the product label for special protection or precautions that have been identified for using this product under directed consumer use conditions. The following recommendations are given for workplace employees, emergency personnel and for other conditions and situations where there is a greater potential for large-scale or prolonged exposure.**

<b>Eye / face protection</b>	Avoid contact with eyes. Not normally required under normal use conditions.
<b>Hand protection</b>	Not required.
<b>Skin and body protection</b>	No special requirements under normal use conditions.
<b>Respiratory protection</b>	Not normally required under normal use conditions.
<b>General hygiene considerations</b>	Avoid contact with eyes. Handle in accordance with good industrial hygiene and safety practice. When using do not eat or drink. Washing with soap and water after use is recommended as good hygienic practice to prevent possible eye irritation from hand contact.

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## 9. Physical and Chemical Properties

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<b>Appearance</b>	Liquid
<b>Color</b>	Opaque Off-white to Pale yellow
<b>Form</b>	Lotion
<b>Odor</b>	Floral
<b>Odor threshold</b>	Not available
<b>Physical state</b>	Liquid
<b>pH</b>	5.00 - 7.00
<b>Freezing point</b>	Not available
<b>Boiling point</b>	Not available
<b>Pour point</b>	Not available
<b>Evaporation rate</b>	Not available
<b>Flash point</b>	> 214 °F (> 101.11 °C) Tag Closed Cup

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Auto-ignition temperature	Not available
Flammability limits in air, lower, % by volume	Not available
Flammability limits in air, upper, % by volume	Not available
Vapor pressure	Not available
Vapor density	Not available
Specific gravity	0.960
Octanol/water coefficient	Not available
Solubility (H2O)	Partially soluble
VOC (Weight %)	Not available
Percent volatile	Not available

## 10. Stability and Reactivity

Reactivity	This product may react with strong oxidizing agents.
Possibility of hazardous reactions	Hazardous polymerization does not occur.
Chemical stability	Stable under recommended storage conditions.
Conditions to avoid	Do not mix with other chemicals. Excessive heat. Temperatures below 5°C and >40°C. Keep from freezing.
Incompatible materials	Oxidizers. Reducing agents.
Hazardous decomposition products	May include and are not limited to: Oxides of carbon.

## 11. Toxicological Information

### Component analysis - LC50

Ingredient(s)	LC50
Piperonyl butoxide	Not available
Pyrethrin	3.4 mg/l/4h rat

### Component analysis - Oral LD50

Ingredient(s)	LD50
Piperonyl butoxide	2600 mg/kg mouse; 6150 mg/kg rat; 2650 mg/kg rabbit
Pyrethrin	200 mg/kg rat; 273 mg/kg mouse

### Effects of acute exposure

<b>Eye</b>	Avoid contact with eyes. May cause eye irritation upon direct contact with the eyes.
<b>Skin</b>	None expected during normal conditions of use. Not expected to be a skin sensitizer.
<b>Inhalation</b>	Ask a doctor before use if you are allergic to ragweed. May cause breathing difficulty or an asthmatic attack.
<b>Ingestion</b>	Health injuries are not known or expected under normal use.
<b>Sensitization</b>	The finished product is not expected to have chronic health effects.
<b>Chronic effects</b>	The finished product is not expected to have chronic health effects.
<b>Carcinogenicity</b>	The finished product is not expected to have chronic health effects.
<b>Mutagenicity</b>	The finished product is not expected to have chronic health effects.
<b>Reproductive effects</b>	The finished product is not expected to have chronic health effects.
<b>Teratogenicity</b>	The finished product is not expected to have chronic health effects.
<b>Name of Toxicologically Synergistic Products</b>	Not available

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## 12. Ecological Information

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<b>Ecotoxicity</b>	See below
<b>Ecotoxicity - Freshwater Fish - Acute Toxicity Data</b>	
Pyrethrin	8003-34-7 96 Hr LC50 Oncorhynchus mykiss: 0.054 mg/L; 96 Hr LC50 Oncorhynchus mykiss: 0.0031-0.0038 mg/L [flow-through]; 96 Hr LC50 Oncorhynchus mykiss: 0.02-0.03 mg/L [static]; 96 Hr LC50 Lepomis macrochirus: 0.0322-0.0472 mg/L [static]; 96 Hr LC50 Lepomis macrochirus: 0.003-0.0046 mg/L [flow-through]; 96 Hr LC50 Lepomis macrochirus: 0.074 mg/L; 96 Hr LC50 Pimephales promelas: 0.0425-0.121 mg/L [flow-through]; 96 Hr LC50 Pimephales promelas: 0.224-0.458 mg/L [static]
<b>Persistence / degradability</b>	Not available
<b>Bioaccumulation / accumulation</b>	Not available
<b>Mobility in environmental media</b>	Not available
<b>Environmental effects</b>	Not available
<b>Aquatic toxicity</b>	Not available
<b>Partition coefficient</b>	Not available
<b>Chemical fate information</b>	Not available

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## 13. Disposal Considerations

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<b>Disposal instructions</b>	Review federal, provincial, and local government requirements prior to disposal. Do not dispose of large quantities down the drain.
<b>Waste from residues / unused products</b>	Not available
<b>Contaminated packaging</b>	Not available

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## 14. Transport Information

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<b>UN/ID N.o.</b>	Not applicable
<b>U.S. Department of Transportation (DOT): Classification:</b> Not regulated	
<b>Proper shipping name</b>	Not applicable
<b>U.S. DOT Hazard Class</b>	Not applicable
<b>Subsidiary Risk</b>	Not applicable
<b>Packing group</b>	Not applicable
<b>DOT RQ (lbs)</b>	Not applicable
<b>ERG NO</b>	Not applicable

**Transportation of Dangerous Goods (TDG - Canada): Classification:** Not regulated

<b>Proper shipping name</b>	Not applicable
<b>Status</b>	Not applicable
<b>Packing group</b>	Not applicable

**IMDG (Marine Transport): Classification:** Not regulated

<b>Proper shipping name</b>	Not applicable
<b>Class</b>	Not applicable
<b>Subsidiary Risk</b>	Not applicable
<b>Packing group</b>	Not applicable
<b>IMDG Page</b>	Not applicable
<b>Marine pollutant</b>	Not applicable
<b>EMS</b>	Not applicable
<b>MFAG</b>	Not applicable
<b>Maximum Quantity</b>	Not applicable

**IATA/ICAO (Air): Classification:** Not regulated

<b>Proper shipping name</b>	Not applicable
<b>Class</b>	Not applicable
<b>Subsidiary Risk:</b>	Not applicable
<b>Packing group</b>	Not applicable
<b>Maximum Quantity</b>	Not applicable

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## 15. Regulatory Information

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**Occupational Safety and Health Administration (OSHA)**

**29 CFR 1910.1200 hazardous chemical** No

**US Federal regulations** This product is in compliance with Title 21 of the Code of Federal Regulations, Part 701 and 740.

All components of this product are either on the TSCA Inventory, or are exempt from TSCA Inventory.

**U.S. - CERCLA/SARA - Hazardous Substances and their Reportable Quantities**

Pyrethrin 8003-34-7 1 Lb final RQ (listed under Pyrethrins); 0.454 kg final RQ (listed under Pyrethrins)

**U.S. - CERCLA/SARA - Section 313 - Emission Reporting**

Piperonyl butoxide 51-03-6 1.0 % de minimis concentration

**CERCLA (Superfund) reportable quantity**

Pyrethrin: 1.0000

**Superfund Amendments and Reauthorization Act of 1986 (SARA)**

**Hazard categories** 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 Water Act (CWA)** Not available

**State regulations**

This product is not subject to warning labeling under the California Proposition 65 regulation.

**U.S. - California - 8 CCR Section 339 - Director's List of Hazardous Substances**

Pyrethrin 8003-34-7 Present

**U.S. - Louisiana - Reportable Quantity List for Pollutants**

Pyrethrin 8003-34-7 1 Lb final RQ (listed under Pyrethrins); 0.454 kg final RQ (listed under Pyrethrins)

**U.S. - Massachusetts - Right To Know List**

Pyrethrin 8003-34-7 Present

**U.S. - Minnesota - Hazardous Substance List**

Pyrethrin 8003-34-7 Present

**U.S. - New Jersey - Right to Know Hazardous Substance List**

Piperonyl butoxide 51-03-6 sn 3732

Pyrethrin 8003-34-7 sn 1623

**U.S. - New York - Reporting of Releases Part 597 - List of Hazardous Substances**

Pyrethrin 8003-34-7 1 Lb RQ (air); 1 lb RQ (land/water)

**U.S. - Pennsylvania - RTK (Right to Know) List**

Pyrethrin 8003-34-7 Environmental hazard (including Pyrethroids)

**U.S. - Rhode Island - Hazardous Substance List**

Pyrethrin 8003-34-7 Toxic

**Inventory status**

Country(s) or region	Inventory name	On inventory (yes/no)*
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	No

A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

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## 16. Other Information

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**Disclaimer**

This product should only be used as directed on the label and for the purpose intended. To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

**Further information**

LiceMD® Complete Kit - Treatment Gel, 4 fl oz - 8042046v1.0

**Issue date**

20-Dec-2012

**Effective date**

15-Dec-2012

**Prepared by**

Reckitt Benckiser Regulatory Department 800-333-3899

**Other information**

For an updated MSDS, please contact the supplier/manufacturer listed on the first page of the document.