

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).

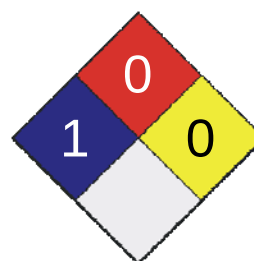
This MSDS is not applicable for consumer use of our products. For consumer use, all precautionary and first aid language is provided on the product label in accordance with the applicable government regulation.

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

Eyes

Eye, Skin contact, Inhalation, Ingestion.

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.

Signs and symptoms	None expected during normal conditions of use.
OSHA Regulatory Status	This product is in compliance with Title 21 of the Code of Federal Regulations, Part 701 and 740.
Potential environmental effects	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	
Eye contact	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.
Skin contact	Stop use and consult your doctor if skin irritation or infection is present or develops, or if infestation of eyebrows or eyelashes occurs.
Inhalation	Remove to fresh air if inhalation causes eye watering, headaches, dizziness or other discomfort.
Ingestion	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

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

6. Accidental Release Measures

Personal precautions	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.
Environmental precautions	Do not discharge into lakes, streams, ponds or public waters. Advise authorities if product has penetrated drains, sewers or water pipes.
Methods for containment	Stop leak if you can do so without risk. Prevent entry into waterways, sewers, basements or confined areas.
Methods for cleaning up	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.

7. Handling and Storage

Handling	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.
Storage	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.

8. Exposure Controls / Personal Protection

Exposure limits	
Ingredient(s)	Exposure Limits
Piperonyl butoxide	ACGIH-TLV Not established OSHA-PEL Not established
Pyrethrin	ACGIH-TLV TWA: 5 mg/m3 OSHA-PEL TWA: 5 mg/m3
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.
Eye / face protection	Avoid contact with eyes. Not normally required under normal use conditions.
Hand protection	Not required.
Skin and body protection	No special requirements under normal use conditions.
Respiratory protection	Not normally required under normal use conditions.
General hygiene considerations	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.

9. Physical and Chemical Properties

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

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

Eye	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.
Sensitization	The finished product is not expected to have chronic health effects.
Chronic effects	The finished product is not expected to have chronic health effects.
Carcinogenicity	The finished product is not expected to have chronic health effects.
Mutagenicity	The finished product is not expected to have chronic health effects.
Reproductive effects	The finished product is not expected to have chronic health effects.
Teratogenicity	The finished product is not expected to have chronic health effects.
Name of Toxicologically Synergistic Products	Not available

12. Ecological Information

Ecotoxicity See below

Ecotoxicity - Freshwater Fish - Acute Toxicity Data

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]
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Persistence / degradability Not available

Bioaccumulation / accumulation Not available

Mobility in environmental media Not available

Environmental effects Not available

Aquatic toxicity Not available

Partition coefficient Not available

Chemical fate information Not available

13. Disposal Considerations

Disposal instructions Review federal, provincial, and local government requirements prior to disposal.
Do not dispose of large quantities down the drain.

Waste from residues / unused products Not available

Contaminated packaging Not available

14. Transport Information

UN/ID N.o. Not applicable

U.S. Department of Transportation (DOT): Classification: Not regulated

Proper shipping name Not applicable

U.S. DOT Hazard Class Not applicable

Subsidiary Risk Not applicable

Packing group Not applicable

DOT RQ (lbs) Not applicable
ERG NO Not applicable

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

Proper shipping name Not applicable

Status Not applicable

Packing group Not applicable

IMDG (Marine Transport): Classification: Not regulated

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

IATA/ICAO (Air): Classification: Not regulated

Proper shipping name	Not applicable
Class	Not applicable
Subsidiary Risk:	Not applicable
Packing group	Not applicable
Maximum Quantity	Not applicable

15. Regulatory Information

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)

16. Other Information

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.