

1. Product and Company Identification

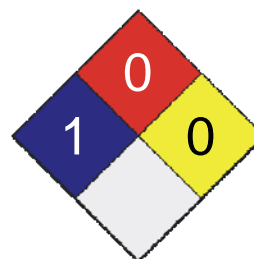
Product Name LiceMD® Complete Kit - Shampoo
CAS # Mixture
**This MSDS is designed for workplace employees, emergency personnel and for other conditions and situations where there is a greater potential for large-scale or prolonged exposure, in accordance with requirements of the U.S. Government's Occupational 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 Shampoo

Manufacturer 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.

For external use only.
 Avoid contact with eyes.
 If contact occurs, rinse thoroughly with water.

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.

ACGIH - Threshold Limit Values - Skin Notations

Diethanolamine 111-42-2 Skin - potential significant contribution to overall exposure by the cutaneous route

Inhalation Health injuries are not known or expected under normal use.

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
Cocamide DEA	68603-42-9	2.5 - 10
Cocamidopropyl betaine	61789-40-0	2.5 - 10
Sodium Laureth Sulfate	68585-34-2	2.5 - 10
Diethanolamine	111-42-2	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. Do not ingest. When using do not eat or drink. 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
Cocamide DEA	ACGIH-TLV Not established OSHA-PEL Not established
Cocamidopropyl betaine	ACGIH-TLV Not established OSHA-PEL Not established
Diethanolamine	ACGIH-TLV TWA: 1 mg/m ³ Skin: 2 mg/m ³ OSHA-PEL TWA: 3 ppm
Sodium Laureth Sulfate	ACGIH-TLV Not established OSHA-PEL Not established

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.

9. Physical and Chemical Properties

Appearance	Clear
Color	Translucent
Form	Liquid

Odor	Citrus
Odor threshold	Not available
Physical state	Liquid
pH	5.0 - 6.0
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	1.000
Octanol/water coefficient	Not available
Solubility (H2O)	Soluble
VOC (Weight %)	Not available
Viscosity	Slightly thick
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
Cocamide DEA	Not available
Cocamidopropyl betaine	Not available
Diethanolamine	Not available
Sodium Laureth Sulfate	Not available

Component analysis - Oral LD50

Ingredient(s)	LD50
Cocamide DEA	2700 mg/kg rat
Cocamidopropyl betaine	2700 mg/kg rat
Diethanolamine	710 mg/kg rat
Sodium Laureth Sulfate	1700 mg/kg rat

Effects of acute exposure

Eye	Avoid contact with eyes. May cause eye irritation upon direct contact with the eyes.
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Skin None expected during normal conditions of use.
Not expected to be a skin sensitizer.

ACGIH - Threshold Limit Values - Skin Notations

Diethanolamine 111-42-2 Skin - potential significant contribution to overall exposure by the cutaneous route

Inhalation Health injuries are not known or expected under normal use.

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 Algae - Acute Toxicity Data

Cocamidopropyl betaine 61789-40-0 72 Hr EC50 *Desmodesmus subspicatus*: 1.0 - 10.0 mg/L; 96 Hr EC50 *Desmodesmus subspicatus*: 0.55 mg/L

Diethanolamine 111-42-2 72 Hr EC50 *Desmodesmus subspicatus*: 7.8 mg/L; 96 Hr EC50 *Pseudokirchneriella subcapitata*: 2.1 - 2.3 mg/L

Ecotoxicity - Freshwater Fish - Acute Toxicity Data

Cocamide DEA 68603-42-9 96 Hr LC50 *Brachydanio rerio*: 3.6 mg/L [semi-static]

Cocamidopropyl betaine 61789-40-0 96 Hr LC50 *Brachydanio rerio*: 1.0-10.0 mg/L; 96 Hr LC50 *Brachydanio rerio*: 2 mg/L [semi-static]

Diethanolamine 111-42-2 96 Hr LC50 *Pimephales promelas*: 4460-4980 mg/L [flow-through]; 96 Hr LC50 *Pimephales promelas*: 1200-1580 mg/L [static]; 96 Hr LC50 *Lepomis macrochirus*: 600-1000 mg/L [static]

Ecotoxicity - Water Flea - Acute Toxicity Data

Cocamide DEA 68603-42-9 24 Hr EC50 *Daphnia magna*: 4.2 mg/L

Cocamidopropyl betaine 61789-40-0 48 Hr EC50 *Daphnia magna*: 6.5 mg/L

Diethanolamine 111-42-2 48 Hr EC50 *Daphnia magna*: 55 mg/L

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, state and local government requirements prior to disposal.
Empty container can be disposed of as household trash or rinsed and recycled.
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. - CAA (Clean Air Act) - 1990 Hazardous Air Pollutants

Diethanolamine 111-42-2 Present

U.S. - CAA (Clean Air Act) - HON Rule - Organic HAPs

Diethanolamine 111-42-2 Present

U.S. - CAA (Clean Air Act) - HON Rule - SOCM Chemicals

Diethanolamine 111-42-2 Group I

U.S. - CAA (Clean Air Act) - Reactivity Factors for VOCs in Aerosol Coatings

Diethanolamine 111-42-2 4.05 G Ozone/g VOC Reactivity Factor

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

Diethanolamine 111-42-2 100 Lb final RQ; 45.4 kg final RQ

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

Diethanolamine 111-42-2 1.0 % de minimis concentration

CERCLA (Superfund) reportable quantity

Sodium hydroxide: 1000.0000

Ethanol, 2,2"-iminobis-: 100.0000

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

Diethanolamine 111-42-2 Present

U.S. - Illinois - Toxic Air Contaminant Carcinogens

Cocamide DEA 68603-42-9 IARC 2B Carcinogen

Diethanolamine 111-42-2 IARC 2B Carcinogen

U.S. - Illinois - Toxic Air Contaminants

Diethanolamine 111-42-2 Present

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

Diethanolamine 111-42-2 100 Lb final RQ; 45.4 kg final RQ

U.S. - Massachusetts - Right To Know List

Diethanolamine 111-42-2 Present

U.S. - Minnesota - Hazardous Substance List

Diethanolamine 111-42-2 Present

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

Diethanolamine 111-42-2 sn 0686

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

Diethanolamine 111-42-2 1 Lb RQ (air); 1 lb RQ (land/water)

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

Diethanolamine 111-42-2 Environmental hazard

U.S. - Rhode Island - Hazardous Substance List

Diethanolamine 111-42-2 Toxic; Flammable

Inventory status

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

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 - Shampoo, 4 fl oz - 8051825v2.0

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.