



# Material Safety Data Sheet

Issuing Date 31-Mar-2013

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Revision Number 1

## 1. PRODUCT AND COMPANY IDENTIFICATION

EQUATE

**Product Name** Equate MAXIMUM STRENGTH LICE KILLING SHAMPOO

**Recommended Use** Shampoo.

**Supplier Name** Perrigo Company  
**Supplier Address** 515 Eastern Ave

Allegan

MI

49010

US

**Supplier Phone Number** Phone:888.464.2986

Contact Phone616.673.9375

**Supplier Email** blackey@perrigo.com

**Supplier Contact Name** Bill Lackey

**Distributor**

Wal-Mart Stores Incorporated  
Bentonville, AR USA 72716

**Company Emergency Phone Number** 888.464.2986

## 2. HAZARDS IDENTIFICATION

### WARNING

#### Emergency Overview

Irritating to eyes

May be harmful if used in amounts above the therapeutic dose

Consumers: Refer to the package insert for consumer-specific information about the directional use and effects of this product

Only information about the ingredients that are expected to contribute to the potential health effects of the product are included in this MSDS

Do not use if printed seal under cap is broken or missing

**Appearance** Pale yellow

**Physical State** Liquid.

**Odor** No data available, Floral, Alcohol

### OSHA Regulatory Status

Over-the counter drugs in their final form as sold to the consumer are considered exempt under the criteria of the Federal OSHA Communication Standard 29CFR1910.1200. However, if exposure may occur in the industrial setting, outside of personal use, the occupational exposure limits may be exceeded and may be considered hazardous.

### Potential Health Effects

#### Principle Routes of Exposure

Skin contact. Inhalation.

See enclosed leaflet for complete instructions on how to use.

### Acute Toxicity

#### Eyes

Irritating to eyes Risk of serious damage to eyes

#### Skin

May cause irritation See package insert for further information.

#### Inhalation

Inhalation of vapors in high concentration may cause irritation of respiratory system. May cause allergic respiratory reaction.

#### Ingestion

May be harmful if swallowed

### Chronic Effects

No known effect based on information supplied

**Aggravated Medical Conditions** Skin disorders. Allergies to ragweed. If pregnant or breast feeding ask a health professional before use.

**Environmental Hazard** See Section 12 for additional Ecological information.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No	Weight-%
Water	7732-18-5	60-100
Poly(oxy-1,2-ethanediyl), .alpha.-[(1,1,3,3-tetramethylbutyl)phenyl]-.omega.-hydroxy-	9036-19-5	7-13
Piperonyl butoxide	51-03-6	1 - 5
Benzyl alcohol	100-51-6	1 - 5
Petroleum distillates, hydrotreated light	64742-47-8	1 - 5
Xanthan gum	11138-66-2	1 - 5
Pyrethrum	8003-34-7	0.1 - 1
Fragrance (Irritating to the eyes, skin and respiratory system)	Fragrance	0.1 - 1

### 4. FIRST AID MEASURES

<b>Eye Contact</b>	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If symptoms persist, call a physician.
<b>Skin Contact</b>	Wash off immediately with plenty of water for at least 15 minutes. If skin irritation persists, call a physician.
<b>Inhalation</b>	Remove to fresh air. May cause allergic respiratory reaction. If symptoms persist, call a physician.
<b>Ingestion</b>	Rinse mouth. Drink plenty of water. Do NOT induce vomiting. Call a physician or poison control center immediately.
<b>Notes to Physician</b>	Treat symptomatically.

### 5. FIRE-FIGHTING MEASURES

<b>Flammable Properties</b>	Not flammable.
<b>Flash Point</b>	61 C / 142 F
<b>Suitable Extinguishing Media</b>	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Use: Dry chemical. Carbon dioxide (CO2). Water spray. Alcohol resistant foam.
<b>Uniform Fire Code</b>	<ul style="list-style-type: none"> <li>• Combustible Liquid: III-A</li> <li>• Irritant: Liquid</li> </ul>
<b>Unsuitable extinguishing media</b>	Do not use a solid water stream as it may scatter and spread fire.
<b>Hazardous Combustion Products</b>	Carbon oxides. Nitrogen oxides (NOx).
<b>Explosion Data</b>	
<b>Sensitivity to Mechanical Impact</b>	No.

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<b>Sensitivity to Static Discharge</b>	Yes.
<b>Protective equipment and precautions for firefighters</b>	As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. Wear self contained breathing apparatus for fire fighting if necessary.

**NFPA**                      **Health Hazards** 3                      **Flammability** 2                      **Stability** 0                      **Physical and Chemical Hazards** -

**6. ACCIDENTAL RELEASE MEASURES**

<b>Personal Precautions</b>	Use personal protective equipment as required. Avoid contact with skin, eyes or clothing. Take precautionary measures against static discharges.
<b>Environmental Precautions</b>	Refer to protective measures listed in Sections 7 and 8.
<b>Methods for Containment</b>	Prevent further leakage or spillage if safe to do so.
<b>Methods for cleaning up</b>	Dam up. Soak up with inert absorbent material. Pick up and transfer to properly labeled containers. Clean contaminated surface thoroughly. Use personal protective equipment as required.

**7. HANDLING AND STORAGE**

<b>Handling</b>	Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing.
<b>Storage</b>	Keep container tightly closed. Keep/store only in original container. Store at room temperature. Keep out of the reach of children.

**8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

**Exposure Guidelines**

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Petroleum distillates, hydrotreated light 64742-47-8	TWA: 5 mg/m <sup>3</sup> STEL: 10 mg/m <sup>3</sup> (as oil mist)	TWA: 5 mg/m <sup>3</sup> (as oil mist)	
Pyrethrum 8003-34-7	TWA: 5 mg/m <sup>3</sup>	TWA: 5 mg/m <sup>3</sup> (vacated) TWA: 5 mg/m <sup>3</sup>	IDLH: 5000 mg/m <sup>3</sup> TWA: 5 mg/m <sup>3</sup>

*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** Vacated limits revoked by the Court of Appeals decision in AFL-CIO v. OSHA, 965 F.2d 962 (11th Cir., 1992).

**Engineering Measures** None under normal use conditions For home use Ensure that eyewash stations and safety showers are close to the workstation location Apply technical measures to comply with the occupational exposure limits

**Personal Protective Equipment**

- Eye/Face Protection** Avoid contact with eyes Safety glasses with side shields are recommended for medical or industrial exposures
- Skin and Body Protection** None required for consumer use Gloves and lab coats are recommended for medical or industrial exposures
- Respiratory Protection** None under normal use conditions If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations

**Hygiene Measures** Handle in accordance with good industrial hygiene and safety practice. When using do not eat, drink or smoke. Take off contaminated clothing and wash before reuse. Wash hands before breaks and immediately after handling the product.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

<b>Appearance</b>	Pale yellow.	<b>Odor</b>	No data available, Floral, Alcohol.
<b>Odor Threshold</b>	No information available	<b>Physical State</b>	Liquid
<b>pH</b>	5.6	<b>Autoignition Temperature</b>	No information available
<b>Flash Point</b>	142 F / 61 C	<b>Boiling point / boiling range</b>	No information available
<b>Decomposition temperature</b>	No information available	<b>Flammability Limits in Air</b>	No information available
<b>Melting Point/Range</b>	No information available	<b>Solubility</b>	No information available.
<b>Explosion Limits</b>	No information available	<b>Vapor pressure</b>	No data available
<b>Water Solubility</b>	Soluble in water		
<b>Evaporation Rate</b>	No information available		
<b>Vapor density</b>	No data available		

**10. STABILITY AND REACTIVITY**

**Stability** Stable under recommended storage conditions.

**Incompatible Products** Strong oxidizing agents.

**Conditions to Avoid** Heat, flames and sparks.

**Hazardous Decomposition Products** Carbon oxides. Nitrogen oxides (NOx).

**Hazardous Polymerization** Hazardous polymerization does not occur.

**11. TOXICOLOGICAL INFORMATION**

Acute Toxicity

**Product Information** .

Chronic Toxicity

**Chronic Toxicity** No known effect based on information supplied.

**Carcinogenicity** The table below indicates whether each agency has listed any ingredient as a carcinogen.

Chemical Name	ACGIH	IARC	NTP	OSHA
Piperonyl butoxide		Group 3		
Pyrethrum		Group 2A		X

**IARC (International Agency for Research on Cancer)**  
Group 3 - Not Classifiable as to Carcinogenicity in Humans

**Target Organ Effects** Skin.

**Endocrine Disruptor Information** .

Chemical Name	EU - Endocrine Disruptors Candidate List	EU - Endocrine Disruptors - Evaluated Substances	Japan - Endocrine Disruptor Information
Poly(oxy-1,2-ethanediyl), .alpha.-[(1,1,3,3-tetramethylbutyl)phenyl]-.omega.-hydroxy-	Group III Chemical		Industrial chemical
Piperonyl butoxide	Group III Chemical		
Pyrethrum			Pesticide

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity**

The environmental impact of this product has not been fully investigated.

Chemical Name	Toxicity to Algae	Toxicity to Fish	Toxicity to Microorganisms	Daphnia Magna (Water Flea)
Benzyl alcohol	3h EC50: = 35 mg/L (Anabaena variabilis)	96h LC50: = 10 mg/L (Lepomis macrochirus) 96h LC50: = 460 mg/L (Pimephales promelas)	EC50 = 50 mg/L 5 min EC50 = 63.7 mg/L 15 min EC50 = 63.7 mg/L 5 min EC50 = 71.4 mg/L 30 min	48h EC50: = 23 mg/L
Petroleum distillates, hydrotreated light		96h LC50: = 2.2 mg/L (Lepomis macrochirus) 96h LC50: = 2.4 mg/L (Oncorhynchus mykiss) 96h LC50: = 45 mg/L (Pimephales promelas)		96h LC50: = 4720 mg/L
Pyrethrum		96h LC50: = 0.054 mg/L (Oncorhynchus mykiss) 96h LC50: 0.0031 - 0.0038 mg/L (Oncorhynchus mykiss) 96h LC50: 0.02 - 0.03 mg/L (Oncorhynchus mykiss) 96h LC50: 0.0322 - 0.0472 mg/L (Lepomis macrochirus) 96h LC50: 0.224 - 0.458 mg/L (Pimephales promelas) 96h LC50: 0.003 - 0.0046 mg/L (Lepomis macrochirus) 96h LC50: = 0.074 mg/L (Lepomis macrochirus) 96h LC50: 0.0425 - 0.121 mg/L (Pimephales promelas)		
<b>Chemical Name</b>		<b>Log Pow</b>		
Benzyl alcohol		1.1		

## 13. DISPOSAL CONSIDERATIONS

**Disposal methods**

This material, as supplied, is not a hazardous waste according to Federal regulations (40 CFR 261). This material could become a hazardous waste if it is mixed with or otherwise comes in contact with a hazardous waste, if chemical additions are made to this material, or if the material is processed or otherwise altered. Consult 40 CFR 261 to determine whether the altered material is a hazardous waste. Consult the appropriate state, regional, or local regulations for additional requirements. Dispose of contents/containers in accordance with local regulations.

**Contaminated Packaging**

Dispose of contents/containers in accordance with local regulations

**California Hazardous Waste Codes** 561

This product contains one or more substances that are listed with the State of California as a hazardous waste.

Chemical Name	California EHW	California Carc	California Hazardous Waste	California Waste - Part 2
Pyrethrum			Toxic	

## 14. TRANSPORT INFORMATION

**DOT** NOT REGULATED

**TDG** Not regulated

**MEX** Not regulated

ICAO Not regulated

IATA Not regulated

IMDG/IMO Not regulated

**15. REGULATORY INFORMATION**

**International Inventories**

TSCA Complies  
 DSL Not determined

**US Federal Regulations**

**SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

Chemical Name	CAS No	Weight-%	SARA 313 - Threshold Values %
Piperonyl butoxide	51-03-6	1 - 5	1.0

**SARA 311/312 Hazard Categories**

Acute Health Hazard Yes  
 Chronic Health Hazard No  
 Fire Hazard Yes  
 Sudden release of pressure hazard No  
 Reactive Hazard No

**CWA (Clean Water Act)**

This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

Chemical Name	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances
Pyrethrum	1 lb			

**Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 61)**

This product contains the following substances which are listed hazardous air pollutants (HAPS) under Section 112 of the Clean Air Act:

Chemical Name	CAS No	Weight-%	HAPS data	VOC Chemicals	Class 1 Ozone Depletors	Class 2 Ozone Depletors
Benzyl alcohol	100-51-6	1 - 5		Group III		

**CERCLA**

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302)

Chemical Name	Hazardous Substances RQs	Extremely Hazardous Substances RQs
Pyrethrum	1 lb	

**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	New Jersey	Pennsylvania	Illinois	Rhode Island
Piperonyl butoxide		X			X
Benzyl alcohol	X		X		

**International Regulations**

Mexico - Grade Moderate risk, Grade 2

Chemical Name	Carcinogen Status	Exposure Limits
Pyrethrum		Mexico: TWA 5 mg/m <sup>3</sup> Mexico: STEL 10 mg/m <sup>3</sup>

Canada

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

**WHMIS Hazard Class**

Not regulated under CEPA

Not subject to WHMIS classification

**16. OTHER INFORMATION**

**Prepared By** Product Stewardship  
23 British American Blvd.  
Latham, NY 12110  
1-800-572-6501

**Issuing Date** 31-Mar-2013

**Revision Date** 09-Dec-2011

**Revision Note** No information available.

**Disclaimer**

This MSDS has been prepared for occupational exposure. Consumers: Refer to the package insert or product label for appropriate consumer-specific information about this product when used according to the manufacturer's directions. Although reasonable care has been taken in the preparation of this document, we extend no warranties and make no representations as to the accuracy of the information contained therein, and assume no responsibility regarding the suitability of this information for the user's intended purposes or for the consequence of its use. Each individual should make a determination as to the suitability of the information for their particular purposes(s)

**End of Safety Data Sheet**