

SECTION 1: Identification

1.1. Identification

Product form : Mixture
Trade name : LIVING PROOF PhD Dry Shampoo

1.2. Relevant identified uses of the substance or mixture and uses advised against

Use of the substance/mixture : Cosmetics

1.3. Details of the supplier of the safety data sheet

Living Proof, Inc.
1 Design Center Place, Suite 600
Boston, MA, 02210-2349
T: 617-621-1800 F: 617-621-1880
questions@livingproof.com
livingproof.com

1.4. Emergency telephone number

Emergency number : Chemtrec - +1-800-424-9300 or +1 703-527-3887

SECTION 2: Hazard(s) identification

2.1. Classification of the substance or mixture

GHS-US classification

Flam. Liq. 2 H225 - Highly flammable liquid and vapour

Full text of H statements : see section 16

2.2. Label elements

GHS-US labeling

Hazard pictograms (GHS-US) :



GHS02

Signal word (GHS-US) : Danger
Hazard statements (GHS-US) : H225 - Highly flammable liquid and vapour
Precautionary statements (GHS-US) : P202 – Do not handle until all safety precautions have been read and understood
P210 - Keep away from heat/sparks/open flames/hot surfaces. - No smoking
P233 – Keep container tightly closed
P243 – Take precautionary measures against static discharge
P308+P313 – If exposed or concerned: Get medical advice/attention
P370+P378 – In case of fire: Use foam, dry powder, carbon dioxide to extinguish
P403+P235 – Store in a well-ventilated place. Keep cool
P501 – Dispose of contents/container in accordance with local regulations

2.3. Other hazards

No additional information available

2.4. Unknown acute toxicity (GHS US)

Not applicable

SECTION 3: Composition/Information on ingredients

3.1. Substance

Not applicable

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3.2. Mixture

INGREDIENTS: Alcohol Denat., Oryza Sativa (Rice) Starch, Cellulose, Octafluoropentyl Methacrylate, Caprylyl Glycol, Dipropylene Glycol, Citronellyl Methylcrotonate, Hydroxypropylcellulose, Hydrated Silica, Cetrimonium Chloride, Zeolite, Ethylcellulose, Octoxynol-10, Distearidimonium Hectorite, Water/Eau/Aqua, Fragrance/Parfum, Ethylhexylglycerin, Phenethyl Alcohol, Benzyl Benzoate, Hexyl Cinnamal, Linalool, Coumarin.

Name	Product identifier	%	GHS-US classification
Ethyl alcohol	(CAS No) 64-17-5	50 – 100%	Flam. Liq. 2, H225 Carc. 1A, H350 (Note: Alcoholic beverages only; not applicable to this product)

Full text of H-phrases: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

- First-aid measures general : Never give anything by mouth to an unconscious person; If affected person feels unwell, seek medical advice (show the label where possible).
- First-aid measures after inhalation : If affected person is experiencing breathing difficulty, immediately remove person to fresh air. If signs/symptoms continue, seek medical attention. Give oxygen or artificial respiration as needed.
- First-aid measures after skin contact : If adverse skin reaction occurs, remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse.
- First-aid measures after eye contact : Thoroughly flush the eyes with large amounts of clean, low-pressure water for at least 15 minutes, occasionally lifting the upper and lower eyelids. If irritation persists, seek medical attention.
- First-aid measures after ingestion : Not expected to be a primary route of exposure. If exposed, rinse mouth with water. Do NOT induce vomiting. If vomiting does occur, have victim lean forward to prevent aspiration. Obtain emergency medical attention. Never give anything by mouth to an unconscious person.

4.2. Most important symptoms and effects, both acute and delayed

- Symptoms/injuries after inhalation : None under normal conditions. High concentrations may cause central nervous system effects characterized by nausea, headache, dizziness, unconsciousness and coma. May cause respiratory tract irritation. May cause narcotic effects in high concentration. Vapors may cause dizziness or suffocation.
- Symptoms/injuries after skin contact : None under normal conditions. May cause moderate skin irritation. May cause dermatitis by de-fatting the skin from prolonged or repeated contact.
- Symptoms/injuries after eye contact : None under normal conditions. May cause eye irritation. May cause painful sensitization to light. May cause chemical conjunctivitis and corneal damage.
- Symptoms/injuries after ingestion : None under normal conditions. May cause gastrointestinal irritation with nausea, vomiting and diarrhea if ingested.

4.3. Indication of any immediate medical attention and special treatment needed

No additional information available

SECTION 5: Firefighting measures

5.1. Extinguishing media

- Suitable extinguishing media : Carbon dioxide. Dry powder. Foam. Water spray.

5.2. Special hazards arising from the substance or mixture

- Fire hazard : Cool closed containers exposed to fire with water spray. In closed containers, pressure build up could result in distortion, blowing and in extreme cases bursting of the container.
- Explosion hazard : Heat may build pressure, rupturing closed containers, spreading fire and increasing risk of burns and injuries.
- Reactivity : Avoid ignition sources. Avoid temperature above 50°C.

5.3. Advice for firefighters

- Firefighting instructions : Use water spray or fog for cooling exposed containers. Prevent fire-fighting water from entering environment.
- Protection during firefighting : Do not attempt to take action without suitable protective equipment.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

- General measures : Absorb spillage to prevent material damage. Eliminate every possible source of ignition.

6.1.1. For non-emergency personnel

- Emergency procedures : Evacuate unnecessary personnel.

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6.1.2. For emergency responders

- Protective equipment : Equip cleanup crew with proper protection.
Emergency procedures : Stop release. Ventilate area.

6.2. Environmental precautions

Avoid release to the environment. Notify authorities if product enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

- For containment : Absorb spilled material with sand or earth.
Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. This material and its container must be disposed of in a safe way, and as per local legislation. Store away from other materials.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

- Precautions for safe handling : Keep product away from all heat sources. No open flames. No smoking. Avoid contact with eyes. Do not breathe vapors. Keep container closed to avoid product contamination.
Hygiene measures : Do not eat, drink or smoke when using this product.

7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Keep cool. Protect from sunlight. Do not expose to temperatures exceeding 50 °C/ 122 °F. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
Incompatible materials : Sources of ignition.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Ethyl alcohol (64-17-5)		
ACGIH	ACGIH STEL (ppm)	1000 ppm
OSHA	OSHA PEL (TWA) (mg/m³)	1900 mg/m³
OSHA	OSHA PEL (TWA) (ppm)	1000 ppm
IDLH	US IDLH (ppm)	3300 ppm (10% LEL)
NIOSH	NIOSH REL (TWA) (mg/m³)	1900 mg/m³
NIOSH	NIOSH REL (TWA) (ppm)	1000 ppm

8.2. Exposure controls

- Engineering Controls : General room or local exhaust ventilation is usually required to meet exposure limit(s). Electrical equipment should be grounded and conform to applicable electrical code.
- Personal protective equipment : Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.
- Hand protection : Handle with gloves. Wash and dry hands.
- Eye protection : Use chemical safety goggles and/or a full face shield where splashing is possible. Use equipment approved by appropriate governments standards, such as NIOSH (US) or EN166 (EU). Maintain eye wash fountain and safety shower facilities in work area.
- Skin and body protection : Choose body protection according to the amount and concentration of the dangerous substance at the work place.
- Respiratory protection : Where risk assessment show air-purifying respirators are appropriate, use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU)
- Environmental exposure controls : Avoid release to the environment.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

- Physical state : Opaque liquid powder dispersion
Color : Off-white to pale yellow

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Odor	: Characteristic
Odor threshold	: No data available
pH	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available
Flammability (solid, gas)	: No data available
Explosion limits	: No data available
Explosive properties	: No data available
Oxidizing properties	: No data available
Vapor pressure	: No data available
Relative density	: No data available
Relative vapor density at 20 °C	: No data available
Solubility	: No data available
Log Pow	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Viscosity	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available

9.2. Other information

VOC%	: 50-100%
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SECTION 10: Stability and reactivity

10.1. Reactivity

Heating will cause rise in pressure with risk of bursting. Avoid ignition sources. Avoid temperature above 50°C.

10.2. Chemical stability

Risk of explosion if heated under confinement.

10.3. Possibility of hazardous reactions

Heating may cause a fire or explosion.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures. Direct sunlight. Open flame.

10.5. Incompatible materials

Strong oxidizing agents.

10.6. Hazardous decomposition products

No additional information available

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity	: Not classified
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Ethyl alcohol (64-17-5)	
LD50 oral rat	7060 mg/kg (Historical information; not tested on animals for cosmetics)
LC50 inhalation rat (mg/l)	124.7 mg/l/4h (Historical information; not tested on animals for cosmetics)
ATE US (oral)	7060.000 mg/kg body weight (Historical information; not tested on animals for cosmetics)
ATE US (vapors)	124.700 mg/l/4h (Historical information; not tested on animals for cosmetics)
ATE US (dust, mist)	124.700 mg/l/4h (Historical information; not tested on animals for cosmetics)

Skin corrosion/irritation	: Not classified. pH: 7.5 – 8.5
Serious eye damage/irritation	: Category 2B – Mild Irritant pH: 7.5 – 8.5
Respiratory or skin sensitization	: Not classified
Germ cell mutagenicity	: Not classified

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Carcinogenicity : Not classified

Ethyl alcohol (64-17-5)	
IARC group	1 - Carcinogenic to humans (Alcoholic Beverages; not applicable to this product)
In OSHA Hazard Communication Carcinogen list	Yes (Alcoholic beverages only; not applicable to this product)

Reproductive toxicity : Not classified

Specific target organ toxicity (single exposure) : Not classified

Specific target organ toxicity (repeated exposure) : Not classified

Aspiration hazard : Not classified

Potential Adverse human health effects and symptoms : Based on available data, the classification criteria are not met.

Symptoms/injuries after inhalation : None under normal conditions. High concentrations may cause central nervous system effects characterized by nausea, headache, dizziness, unconsciousness and coma. May cause respiratory tract irritation. May cause narcotic effects in high concentration. Vapors may cause dizziness or suffocation.

Symptoms/injuries after skin contact : None under normal conditions. May cause moderate skin irritation. May cause dermatitis by de-fatting the skin from prolonged or repeated contact.

Symptoms/injuries after eye contact : None under normal conditions. May cause eye irritation. May cause painful sensitization to light. May cause chemical conjunctivitis and corneal damage.

Symptoms/injuries after ingestion : None under normal conditions. May cause gastrointestinal irritation with nausea, vomiting and diarrhea if ingested.

SECTION 12: Ecological information

12.1. Toxicity

Ethyl alcohol (64-17-5) (Historical information; not tested on animals for cosmetics)	
LC50 fish 1	12.0 - 16.0 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
EC50 Daphnia 1	9268 - 14221 mg/l (Exposure time: 48 h - Species: Daphnia magna)
LC50 fish 2	> 100 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static])
EC50 Daphnia 2	2 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])

12.2. Persistence and degradability

Not established.

12.3. Bioaccumulative potential

Ethyl alcohol (64-17-5)	
Log Pow	-0.32

12.4. Mobility in soil

No additional information available

12.5. Other adverse effects

Effect on global warming : No known ecological damage caused by this product.

Other information : Avoid release to the environment.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.

Ecology - waste materials : Avoid release to the environment.

Additional information : Handle empty containers with care because residual vapors are flammable.

SECTION 14: Transport information

Department of Transportation (DOT)

In accordance with DOT

Transport document description : UN1170 Ethanol Solutions, 3, II

UN-No.(DOT) : UN1170

Proper Shipping Name (DOT) : Ethanol solutions

Class (DOT) : 3 – Class 3 – Flammable and combustible liquid 49 CFR 173.120

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Hazard labels (DOT) : 3 – Flammable Liquid



DOT Packaging Non Bulk (49 CFR 173.xxx) : 202

DOT Packaging Bulk (49 CFR 173.xxx) : 242

DOT Packaging Exceptions (49 CFR 173.xxx) : 4b; 150

DOT Quantity Limitations Passenger aircraft/rail : 5L
(49 CFR 173.27)

DOT Quantity Limitations Cargo aircraft only (49 : 60 L
CFR 175.75)

Emergency Response Guide (ERG) Number : 127

Other information : No supplementary information available.

TDG

No additional information available

Transport by sea

UN-No. (IMDG) : UN 1170, Ethanol Solutions, 3, II

Proper Shipping Name (IMDG) : Ethanol Solutions

Class (IMDG) : 3 – Flammable Liquids

Packing group (IMDG) : II – substances presenting medium danger

Air transport

UN-No. (IATA) : UN 1170, Ethanol Solutions

Proper Shipping Name (IATA) :



Ethanol Solutions

Class (IATA) : Ethanol Solutions, 3

Packaging group (IATA) : II – Medium Danger

SECTION 15: Regulatory information

15.1. US Federal regulations

All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory.

15.2. International regulations

Canada-Regulations

No additional information available

EU-Regulations

No additional information available

National regulations

No additional information available

15.3. US State regulations

California Proposition 65 - This product does not contain substance(s) known to the state of California to cause cancer, developmental and/or reproductive harm

Ethyl alcohol (64-17-5)				
U.S. - California - Proposition 65 - Carcinogens List	U.S. - California - Proposition 65 - Developmental Toxicity	U.S. - California - Proposition 65 - Reproductive Toxicity - Female	U.S. - California - Proposition 65 - Reproductive Toxicity - Male	Non-significant risk level (NSRL)
Yes (Note: Alcoholic beverages only; not applicable to this product)	Yes	No	No	

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Ethyl alcohol (64-17-5)

U.S. - Massachusetts - Right To Know List
U.S. - New Jersey - Right to Know Hazardous Substance List
U.S. - Pennsylvania - RTK (Right to Know) List

Benzyl alcohol (100-51-6)

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

tert-Butyl alcohol (75-65-0)

U.S. - Massachusetts - Right To Know List
U.S. - New Jersey - Right to Know Hazardous Substance List
U.S. - Pennsylvania - RTK (Right to Know) - Environmental Hazard List
U.S. - Pennsylvania - RTK (Right to Know) List

Starch (9005-25-8)

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

Cellulose (9004-34-6)

U.S. - Massachusetts - Right To Know List
U.S. - New Jersey - Right to Know Hazardous Substance List
U.S. - Pennsylvania - RTK (Right to Know) List

Silica, amorphous, precipitated and gel (112926-00-8)

U.S. - Massachusetts - Right To Know List
U.S. - New Jersey - Right to Know Hazardous Substance List
U.S. - Pennsylvania - RTK (Right to Know) List

SECTION 16: Other information

Data sources : DISCLAIMER OF LIABILITY The information in this SDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This SDS was prepared and is to be used only for this product. If the product is used as a component in another product, this SDS information may not be applicable.

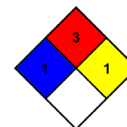
Full text of H-phrases listed in Sections 2-15:

Flam. Liq. 2	Flammable liquids Category 2
H225	Highly flammable liquid and vapor

NFPA health hazard : 1 - Exposure could cause irritation but only minor residual injury even if no treatment is given.

NFPA fire hazard : 3 - Liquids and solids that can be ignited under almost all ambient conditions.

NFPA reactivity : 1 - Normally stable, but can become unstable at elevated temperatures and pressures or may react with water with some release of energy, but not violently.



HMIS III Rating

Health : 1 Slight Hazard - Irritation or minor reversible injury possible

Flammability : 3 Serious Hazard - Materials capable of ignition under almost all normal temperature conditions. Includes flammable liquids with flash points below 73 F and boiling points above 100 F. as well as liquids with flash points between 73 F and 100 F. (Classes IB & IC)

Physical : 1 Slight Hazard - Materials that are normally stable but can become unstable (self-react) at high temperatures and pressures. Materials may react non-violently with water or undergo hazardous polymerization in the absence of inhibitors.

SDS US (GHS HazCom 2012)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product