

**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1. Identification**

Product form : Mixture  
Trade name : LIVING PROOF NO FRIZZ HUMIDITY SHIELD

**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. Aerosol 1 H222 - Extremely flammable aerosol

Full text of H-phrases: see section 16

**2.2. Label elements****GHS-US labeling**

Hazard pictograms (GHS-US) :



GHS02

Signal word (GHS-US) :

Danger

Hazard statements (GHS-US) :

H222 - Extremely flammable aerosol  
H240 - Heating may cause an explosion

P211 - Do not spray on an open flame or other ignition source  
P251 - Pressurized container: Do not pierce or burn, even after use  
P410+P412 - Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F

**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

**3.2. Mixture**

Name	Product identifier	%	GHS-US classification
Ethyl alcohol	(CAS No) 64-17-5	<40	Flam. Liq. 2, H225

Full text of H-phrases: see section 16

INGREDIENTS: Hydrofluorocarbon 152a, Alcohol Denat., Water/Eau/Aqua, Octafluoropentyl Methacrylate, Vinyl Caprolactam/VP/Dimethylaminoethyl Methacrylate Copolymer, Ethylhexyl Methoxycinnamate, Linoleamidopropyl Ethyldimonium Ethosulfate, Butylene Glycol, Propylene Glycol Dibenzate, PPG-5-Ceteth-20, Fragrance/Parfum, Citronellol, Limonene, Citral.

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## Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

### 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, allow affected person to breathe fresh air. Allow affected person to rest.              |
| 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  | : Rinse immediately with plenty of water; Obtain medical attention if pain, blinking or redness persists.  |
| First-aid measures after ingestion    | : Not expected to be a primary route of exposure.  |

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

- |                                      |  |
|--------------------------------------|--|
| Symptoms/injuries                    | : Not expected to present a significant hazard under anticipated conditions of normal use. |
| Symptoms/injuries after inhalation   | : None under normal use. May cause respiratory irritation.                                 |
| Symptoms/injuries after skin contact | : None under normal conditions.  |
| Symptoms/injuries after eye contact  | : None under normal conditions. Mild eye irritation.                                       |
| Symptoms/injuries after ingestion    | : None under normal use.   |

#### 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       | : Heating will cause rise in pressure with risk of bursting. 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 | : Eliminate every possible source of ignition. |
|------------------|--|

##### 6.1.1. For non-emergency personnel

- |                      |                                   |
|----------------------|-----------------------------------|
| Emergency procedures | : Evacuate unnecessary personnel. |
|----------------------|-----------------------------------|

##### 6.1.2. For emergency responders

- |                      |  |
|----------------------|--|
| Protective equipment | : Equip cleanup crew with proper protection. |
| Emergency procedures | : 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         | : Collect spillage.  |
| Methods for cleaning up | : This material and its container must be disposed of in a safe way, and as per local legislation. |

#### 6.4. Reference to other sections

For further information refer to section 8: "Exposure controls/personal protection".

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

- |                               |   |
|-------------------------------|---|
| Precautions for safe handling | : Avoid contact with eyes. Do not breathe vapors.     |
| Hygiene measures              | : Do not eat, drink or smoke when using this product. |

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### 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/m <sup>3</sup> )	1900 mg/m <sup>3</sup>
OSHA	OSHA PEL (TWA) (ppm)	1000 ppm

### 8.2. Exposure controls

- Personal protective equipment : None needed.
- Hand protection : None needed.
- Eye protection : None necessary.
- Skin and body protection : None needed.
- Respiratory protection : None needed.
- 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 : Liquid
- Appearance : clear.
- Color : yellowish
- Odor : characteristic
- Odor threshold : No data available
- pH : 7 - 7.5
- 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 : 40.88 mm Hg
- Relative density : No data available
- Relative vapor density at 20 °C : > 1
- Specific gravity / density : 0.82 - 0.85 g/cm<sup>3</sup>
- Solubility : Miscible with water.
- 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 content : <= 55 %
- Gas group : Compressed gas

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## SECTION 10: Stability and reactivity

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

Extremely flammable aerosol. Contains gas under pressure: may explode if heated.

Heating may cause a fire or explosion.

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

Strong oxidizing agents.

No additional information available

### 11.1. Information on toxicological effects

Acute toxicity : Not classified

Skin corrosion/irritation : Not classified

pH: 7 - 7.5

<p>                     Serious eye damage/irritation                      : Not classified                 </p>	<p>                     pH: 7 - 7.5                      : Not classified                 </p>
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pH: 7 - 7.5

Respiratory or skin sensitization	: Not classified
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Germ cell mutagenicity : Not classified

Carcinogenicity : Not classified.

Reproductive toxicity : Not classified

Specific target organ toxicity (single exposure) : Not classified

Specific target organ toxicity (repeated exposure) : Not classified

Aspiration hazard : Not classified

Symptoms/injuries after inhalation	: None under normal use. May cause respiratory irritation.
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Symptoms/injuries after inhalation:	: None under normal conditions.
Symptoms/injuries after skin contact	: None under normal conditions.

Symptoms/injuries after eye contact : None under normal conditions. Mild eye irritation.

Symptoms/injuries after ingestion : None under normal use.

## 12.1. Toxicity

**Ethyl alcohol (64-17-5)** (historical information; not tested on animals for cosmetics)

## 12.2. Persistence and degradability

No additional information available

**Ethyl alcohol (64-17-5)**

Log Pow	-0.32
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-0.32

No additional information available

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

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### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.  
Additional information : Handle empty containers with care because residual vapors are flammable.

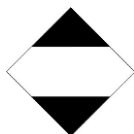
### SECTION 14: Transport information

Consult the associated transport regulations for available and applicable exceptions or exemptions.

#### Department of Transportation (DOT)

In accordance with DOT

Transport document description : UN1950 Aerosols, 2.1  
UN-No.(DOT) : UN1950  
Proper Shipping Name (DOT) : Aerosols,  
Technical Shipping Name (DOT) : Not applicable  
Hazard class (DOT) : 2.1 - Class 2.1 - Flammable gas 49 CFR 173.115  
Subsidiary hazard class (DOT) : None  
Packing group (DOT) : None  
Hazard labels (DOT) : LTD QTY - Limited quantity



DOT Packaging Non Bulk (49 CFR 173.xxx) : None  
DOT Packaging Bulk (49 CFR 173.xxx) : None  
DOT Special Provisions (49 CFR 172.102) : N82  
DOT Packaging Exceptions (49 CFR 173.xxx) : 306  
DOT Quantity Limitations Passenger aircraft/rail (49 CFR 173.27) : 75 kg  
DOT Quantity Limitations Cargo aircraft only (49 CFR 175.75) : 150 kg  
DOT Vessel Stowage Location : A  
DOT Vessel Stowage Other : 25, 87,126  
Emergency Response Guide (ERG) Number : 126  
Other information : No supplementary information available.

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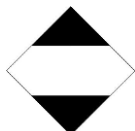
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### Transportation of Dangerous Goods

In accordance with TDG

UN-No. (TDG)	: UN1950
TDG Primary Hazard Classes	: 2.1 - Class 2.1 - Flammable Gas
Subsidiary hazard classes	: None
Transport document description	: UN1950 AEROSOLS, 2.1
Proper Shipping Name (Transportation of Dangerous Goods)	: AEROSOLS
Technical Shipping Name (TDG)	: Not applicable
Hazard labels (TDG)	: LTD QTY - Limited quantity

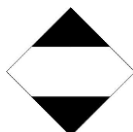


Packing group	: None
TDG Special Provisions	: 80, 107
Explosive Limit and Limited Quantity Index	: 1 L
Passenger Carrying Road Vehicle or Passenger Carrying Railway Vehicle Index	: 75 L

### Transport by sea

In accordance with IMDG

Transport document description (IMDG)	: UN 1950 AEROSOLS, 2.1, LTD QTY
UN-No. (IMDG)	: UN 1950
Proper Shipping Name (IMDG)	: AEROSOLS
Technical Shipping Name (IMDG)	: Not applicable
Transport hazard class(es) (IMDG)	: 2.1
Subsidiary hazard class(es) (IMDG)	: None
Danger labels (IMDG)	: LTD QTY - Limited quantity



Packing group (IMDG)	: Not applicable
Special provisions (IMDG)	: 63, 190, 277, 327, 344, 381, 959
Limited quantities (IMDG)	: SP277
Packing instructions (IMDG)	: P207, LP200
Special packing provisions (IMDG)	: PP87, L2
EmS-No. (Fire)	: F-D
EmS-No. (Spillage)	: S-U
Stowage category (IMDG)	: None
Stowage and handling (IMDG)	: SW1, SW22
Segregation (IMDG)	: SG69

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### Air transport

In accordance with IATA

Transport document description (IATA)	: UN 1950 Aerosols, flammable, 2.1
UN-No. (IATA)	: UN 1950
Proper Shipping Name (IATA)	: Aerosols, flammable
Technical Shipping Name (IATA)	: Not applicable
Transport hazard class(es) (IATA)	: 2.1
Subsidiary hazard class(es) (IATA)	: None
Danger labels (IATA)	: 2.1, LTD QTY - Limited quantity



Packing group (IATA)	: Not applicable
PCA Limited quantities (IATA)	: Y203
PCA limited quantity max net quantity (IATA)	: 30kgG
PCA packing instructions (IATA)	: 203
PCA max net quantity (IATA)	: 75kg
CAO packing instructions (IATA)	: 203
CAO max net quantity (IATA)	: 150kg
Special provisions (IATA)	: A145, A167, A802
ERG code (IATA)	: 10L

## 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.

This product is not subject to the reporting requirements of Section 313 or Title III of the Superfund Amendments and Reauthorization Act (SARA) of 1986 and 40 CFR Part 372.

### 15.2. International regulations

#### Canada

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

#### Hydrofluorocarbon 152a (200-866-1)

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

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### SECTION 16: Other information

Revision date : 04 June 2020

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. Aerosol 1	Flammable aerosol Category 1
Flam. Liq. 2	Flammable liquids Category 2
H222	Extremely flammable aerosol
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.

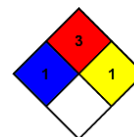
NFPA reactivity : 1 - Normally stable, but can become unstable at elevated temperatures and pressures or may react with water with some release of energy, but not violently.

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.



Indication of changes:

Section	Changed item	Change	Comments
15	Regulatory information	Modified	

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*