

**SECTION 1: Identification****1.1. Identification**

Product form : Mixture  
Trade name : PhD Advanced Clean Dry Shampoo

**1.2. Recommended use and restrictions on use**

Recommended use : Cosmetics

**1.3. Supplier**

Living Proof, Inc.  
One Design Center Place  
Suite 600  
Boston, MA 02210  
T: 617-621-1800 F: 617-621-1880

**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**

Flammable aerosol Category 1 Extremely flammable aerosol  
Gases under pressure Compressed gas Contains gas under pressure; may explode if heated

**2.2. GHS Label elements, including precautionary statements****GHS US labeling**

Hazard pictograms (GHS US) :



Signal word (GHS US) : Danger  
Hazard statements (GHS US) : Extremely flammable aerosol  
Contains gas under pressure; may explode if heated  
Precautionary statements (GHS US) : Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
Do not spray on an open flame or other ignition source.  
Pressurized container: Do not pierce or burn, even after use.  
Protect from sunlight. Store in a well-ventilated place.  
Do not expose to temperatures exceeding 50 °C/122 °F.

**2.3. Other hazards which do not result in classification**

No additional information available

**2.4. Unknown acute toxicity (GHS US)**

Not applicable

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### SECTION 3: Composition/Information on ingredients

#### 3.1. Substances

Not applicable

#### 3.2. Mixtures

| Name          | Product identifier | %    | GHS US classification                     |
|---------------|--------------------|------|---|
| Ethyl alcohol | CAS-No.: 64-17-5   | 8.07 | Flam. Liq. 2, H225<br>Eye Irrit. 2A, H319 |

INGREDIENTS: Hydrofluorocarbon 152a, Isobutane, Alcohol Denat., Oryza Sativa (Rice) Starch, Propane, Cyclodextrin, Zea Mays (Corn) Starch, Furcellaria Lumbricalis Extract, Hydrated Silica, Hydroxypropyl Arginine Lauryl/Myristyl Ether HCl, Tetraselmis Suecica Extract, Isopropyl Lauroyl Sarcosinate, Cetrimonium Chloride, Glycerin, Mannitol, Polyvinyl Alcohol, Distearidimonium Hectorite, Water/Eau/Aqua, Fragrance/Parfum, Citronellyl Methylcrotonate, Linalool, Citronellol, Benzyl Salicylate, Citral, Limonene

### 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 you feel unwell, seek medical advice (show the label where possible).            |
| First-aid measures after inhalation   | : Allow affected person to breathe fresh air. Allow the victim to rest.  |
| First-aid measures after skin contact | : If skin irritation 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. Seek medical attention if ill effect or irritation develops.                                       |
| First-aid measures after ingestion    | : Not expected to be a primary route of exposure.  |

#### 4.2. Most important symptoms and effects (acute and delayed)

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

#### 4.3. Immediate medical attention and special treatment, if necessary

Treat symptomatically.

### SECTION 5: Fire-fighting measures

#### 5.1. Suitable (and unsuitable) extinguishing media

|                                |  |
|--------------------------------|--|
| Suitable extinguishing media   | : Carbon dioxide. Dry powder. Foam. Water spray. |
| Unsuitable extinguishing media | : None known.                                    |

#### 5.2. Specific hazards arising from the chemical

|                  |   |
|------------------|---|
| Fire hazard      | : Extremely flammable aerosol. Cool closed containers exposed to fire with water spray. Contains gas under pressure; may explode if heated. |
| Explosion hazard | : Heat may build pressure, rupturing closed containers, spreading fire and increasing risk of burns and injuries.                           |

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### 5.3. Special protective equipment and precautions for fire-fighters

- |                                |   |
|--------------------------------|---|
| 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.

### 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". For disposal of residues refer to section 13: "Disposal considerations".

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

- |                               |  |
|-------------------------------|--|
| Precautions for safe handling | : Avoid contact with eyes. Do not breathe vapors. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. |
| 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. Store in a well-ventilated place. |
| Incompatible materials | : Strong oxidizing agents.   |

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

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No additional information available

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| Ethyl alcohol (64-17-5)                    |   |
|--|---|
| USA - ACGIH - Occupational Exposure Limits |   |
| Local name                                 | Ethanol   |
| ACGIH OEL STEL [ppm]                       | 1000 ppm  |
| Remark (ACGIH)                             | TLV® Basis: URT irr. Notations: A3 (Confirmed Animal Carcinogen with Unknown Relevance to Humans) |
| ACGIH chemical category                    | Confirmed Animal Carcinogen with Unknown Relevance to Humans                                      |
| Regulatory reference                       | ACGIH 2021  |
| USA - OSHA - Occupational Exposure Limits  |   |
| Local name                                 | Ethyl alcohol (Ethanol)   |
| OSHA PEL (TWA) [1]                         | 1900 mg/m³  |
| OSHA PEL (TWA) [2]                         | 1000 ppm  |
| Regulatory reference (US-OSHA)             | OSHA Annotated Table Z-1  |
| USA - IDLH - Occupational Exposure Limits  |   |
| IDLH [ppm]                                 | 3300 ppm (10% LEL)  |
| USA - NIOSH - Occupational Exposure Limits |   |
| NIOSH REL (TWA)                            | 1900 mg/m³  |
| NIOSH REL TWA [ppm]                        | 1000 ppm  |

### 8.2. Appropriate engineering controls

Environmental exposure controls : Avoid release to the environment.

### 8.3. Individual protection measures/Personal protective equipment

#### Personal protective equipment:

None under normal use.

#### Hand protection:

None under normal use

#### Eye protection:

None under normal use

#### Skin and body protection:

None under normal use

#### Respiratory protection:

None under normal use

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical state : Liquid  
Appearance : Clear

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|   |                                |
|---|--------------------------------|
| Color   | : Off-white                    |
| 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)                       | : Extremely flammable aerosol. |
| Vapor pressure                                  | : No data available            |
| Relative vapor density at 20 °C                 | : No data available            |
| Relative density                                | : No data available            |
| Solubility                                      | : No data available            |
| Partition coefficient n-octanol/water (Log Pow) | : No data available            |
| Auto-ignition temperature                       | : No data available            |
| Decomposition temperature                       | : No data available            |
| Viscosity, kinematic                            | : No data available            |
| Viscosity, dynamic                              | : No data available            |
| Explosion limits                                | : No data available            |
| Explosive properties                            | : No data available            |
| Oxidizing properties                            | : No data available            |

### 9.2. Other information

VOC content : < 19 %

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

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

### 10.2. Chemical stability

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

### 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. Open flame.

### 10.5. Incompatible materials

Strong oxidizing agents.

### 10.6. Hazardous decomposition products

No hazardous decomposition products known at room temperature.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity : Not classified (Based on available data, the classification criteria are not met)

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| Ethyl alcohol (64-17-5)                       |   |
|---|---|
| LD50 oral rat                                 | 7060 mg/kg  |
| LC50 Inhalation - Rat                         | 124.7 mg/l/4h   |
| Skin corrosion/irritation                     | : Not classified (On basis of test data)  |
| Serious eye damage/irritation                 | : Not classified (On basis of test data)  |
| Respiratory or skin sensitization             | : Not classified (Based on available data, the classification criteria are not met)   |
| Germ cell mutagenicity                        | : Not classified (Based on available data, the classification criteria are not met)   |
| Carcinogenicity                               | : Not classified (Based on available data, the classification criteria are not met)   |
| Reproductive toxicity                         | : Not classified (Based on available data, the classification criteria are not met)   |
| STOT-single exposure                          | : Not classified (Based on available data, the classification criteria are not met)   |
| STOT-repeated exposure                        | : Not classified (Based on available data, the classification criteria are not met)   |
| Ethyl alcohol (64-17-5)                       |   |
| NOAEL (subchronic,oral,animal/male,90 days)   | < 9700 mg/kg body weight Animal: mouse, Animal sex: male, Guideline: EPA OPPTS 870.3100 (90-Day Oral Toxicity in Rodents)   |
| NOAEL (subchronic,oral,animal/female,90 days) | > 9400 mg/kg body weight Animal: mouse, Animal sex: female, Guideline: EPA OPPTS 870.3100 (90-Day Oral Toxicity in Rodents) |
| Aspiration hazard                             | : Not classified (Based on available data, the classification criteria are not met)   |
| Viscosity, kinematic                          | : No data available   |
| Symptoms/effects                              | : Not expected to present a significant hazard under anticipated conditions of normal use.                                  |
| Symptoms/effects after inhalation             | : None under normal use. May cause respiratory irritation.  |
| Symptoms/effects after skin contact           | : None under normal conditions.   |
| Symptoms/effects after eye contact            | : None under normal conditions. May cause slight temporary irritation.  |
| Symptoms/effects after ingestion              | : None under normal use.  |
| Other information                             | : Historical Data, not tested on Animals for cosmetics.<br>Likely routes of exposure: inhalation, skin and eye.             |

## SECTION 12: Ecological information

### 12.1. Toxicity

Ecology - general : Historical Data, not tested on Animals for cosmetics.

| Ethyl alcohol (64-17-5)            |  |
|------------------------------------|--|
| LC50 - Fish [1]                    | 12 – 16 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static]) |
| LC50 - Other aquatic organisms [1] | 5012 mg/l 48 hours- daphnia  |
| EC50 - Crustacea [1]               | 9268 – 14221 mg/l (Exposure time: 48 h - Species: Daphnia magna)           |
| EC50 - Other aquatic organisms [1] | 5012 mg/l waterflea  |
| LC50 - Fish [2]                    | > 100 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static])   |
| EC50 - Crustacea [2]               | 2 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])             |
| EC50 - Other aquatic organisms [2] | 275 mg/l   |
| ErC50 algae                        | 275 mg/l Source: ECHA  |
| ErC50 other aquatic plants         | 4432 mg/l  |
| NOEC (acute)                       | 9.6 mg/l Daphnia magna   |
| NOEC (chronic)                     | 9.6 mg/l Test organisms (species): Daphnia magna Duration: '9 d'           |

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### 12.2. Persistence and degradability

No additional information available

### 12.3. Bioaccumulative potential

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

|   |       |
|---|-------|
| Partition coefficient n-octanol/water (Log Pow) | -0.32 |
|---|-------|

### 12.4. Mobility in soil

No additional information available

### 12.5. Other adverse effects

|                           |                                       |
|---------------------------|---------------------------------------|
| Effect on the ozone layer | : No additional information available |
| Other information         | : Avoid release to the environment.   |

## SECTION 13: Disposal considerations

### 13.1. Disposal methods

|  |   |
|--|---|
| Waste treatment methods                    | : Dispose of contents/container in accordance with licensed collector's sorting instructions. |
| Product/Packaging disposal recommendations | : Dispose in a safe manner in accordance with local/national regulations.                     |
| Ecology - waste materials                  | : Avoid release to the environment.   |

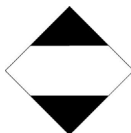
## SECTION 14: Transport information

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       |

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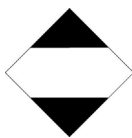
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Other information : No supplementary information available.

### 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

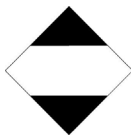


Packing group : None  
TDG Special Provisions : 80, 107  
Explosive Limit and Limited Quantity Index : 1 L  
Passenger Carrying Road Vehicle or Passenger Carrying Railway Vehicle Index : 75 L

### 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

No additional information available.

### 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

No additional information available.

## SECTION 16: Other information

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|                   |                 |
|-------------------|-----------------|
| Revision date     | : 25 March 2021 |
| Other information | : None.         |

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