

SECTION 1: Identification**1.1. Identification**

Product form : Mixture
Trade name : PhD Body Builder

1.2. Recommended use and restrictions on use

Recommended use : Cosmetics, personal care products

1.3. Supplier

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**

Flammable aerosol Category 2 H223 Flammable aerosol

Full text of H statements : see section 16

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

Hazard pictograms (GHS-US) :



Signal word (GHS-US) : Warning

Hazard statements (GHS-US) : H223 - Flammable aerosol

Precautionary statements (GHS-US) : P210 - Keep away from heat, hot surfaces, open flames, sparks. - No smoking.
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 which do not result in classification

No additional information available

2.4. Unknown acute toxicity (GHS US)

Not applicable

SECTION 3: Composition/Information on ingredients**3.1. Substances**

Not applicable

3.2. Mixtures

This mixture does not contain any substances to be mentioned according to the criteria of section 3.2 of HazCom 2012

INGREDIENTS: Hydrofluorocarbon 152a, Alcohol Denat., Butane, VP/Vinyl Caprolactam/DMAA Acrylates Copolymer, Vinyl Caprolactam/VP/Dimethylaminoethyl Methacrylate Copolymer, Linoleamidopropyl Ethyldimonium Ethosulfate, Propylene Glycol Dibenzoate, PPG-5-Ceteth-20, Polyglyceryl-10 Pentaoleate, Fragrance/Parfum, Linalool, Hexyl Cinnamal, 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).

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First-aid measures after inhalation	: Remove person to fresh air and keep comfortable for breathing.
First-aid measures after skin contact	: 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	: Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

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.

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 : Foam. Dry powder. Carbon dioxide. Water spray. Sand.
Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Specific hazards arising from the chemical

Fire hazard : Flammable aerosol. On combustion, forms: carbon oxides (CO and CO₂). Hydrofluoric Acid. Carbonyl fluoride.
Explosion hazard : Heat may build pressure, rupturing closed containers, spreading fire and increasing risk of burns and injuries.
Reactivity : Stable under normal conditions of use.

5.3. Special protective equipment and precautions for fire-fighters

Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment. DO NOT fight fire when fire reaches explosives. Evacuate area.
Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : No open flames. No smoking. Isolate from fire, if possible, without unnecessary risk. Remove ignition sources. Use special care to avoid static electric charges.

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

Prevent entry to sewers and public waters.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials. Dispose in a safe manner in accordance with local/national regulations.

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 : Provide local exhaust or general room ventilation. Do not spray on an open flame or other ignition source. 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 only in the original container in a cool, well ventilated place away from : Heat sources. Keep container closed when not in use. Do not expose to temperatures exceeding 50 °C/ 122 °F. Keep in fireproof place. Keep cool. Protect from sunlight.

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Incompatible materials : Heat sources. Strong oxidizing agents.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

No additional information available

8.2. Appropriate engineering controls

Appropriate engineering controls : Local exhaust and general room ventilation are both essential to prevent accumulation of flammable vapor.

8.3. Individual protection measures/Personal protective equipment

Hand protection:

Not required for normal conditions of use

Eye protection:

Not required for normal conditions of use

Skin and body protection:

Not required for normal conditions of use

Respiratory protection:

Not required for normal conditions of use

Other information:

Do not eat, drink or smoke during use.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Appearance	: Clear. Colorless to slightly yellow liquid.
Color	: Colorless
Odor	: characteristic
Odor threshold	: No data available
pH	: 7 - 8 @ 25°C
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)	: Flammable aerosol.
Vapor pressure	: No data available
Relative vapor density at 20 °C	: No data available
Relative density	: 0.805 - 0.825 @ 25°C
Solubility	: No data available
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 : <25%

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Heat of combustion : 21.91 kJ/g

SECTION 10: Stability and reactivity

10.1. Reactivity

Stable under normal conditions of use.

10.2. Chemical stability

Flammable aerosol. Contains gas under pressure; may explode if heated. Extreme risk of explosion by shock, friction, fire or other sources of ignition.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

Heat. Sparks. Open flame. Direct sunlight. Overheating.

10.5. Incompatible materials

Strong oxidizing agents.

10.6. Hazardous decomposition products

No hazardous decomposition products known at room temperature. On combustion, forms: carbon oxides (CO and CO₂). Hydrofluoric Acid. Carbonyl fluoride.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity	: Not classified (Based on available data, the classification criteria are not met)
Skin corrosion/irritation	: Not classified (Based on available data, the classification criteria are not met) pH: 7 - 8 @ 25°C
Serious eye damage/irritation	: Not classified (On basis of test data) pH: 7 - 8 @ 25°C
Respiratory or skin sensitization	: Not classified (On basis of test data)
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)
Specific target organ toxicity –single exposure	: Not classified (Based on available data, the classification criteria are not met)
Specific target organ toxicity – repeated exposure	: Not classified (Based on available data, the classification criteria are not met)
Aspiration hazard	: Not classified (Based on available data, the classification criteria are not met)
Likely routes of exposure	: Ingestion. Inhalation. Skin. Eyes.
Symptoms/effects	: Not expected to present a significant hazard under anticipated conditions of normal use.

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : This material has not been tested for environmental effects.

12.2. Persistence and degradability

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Persistence and degradability	Not established.

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12.3. Bioaccumulative potential

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Bioaccumulative potential	Not established.
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12.4. Mobility in soil

No additional information available

12.5. Other adverse effects

Other information : Avoid release to the environment.

SECTION 13: Disposal considerations

13.1. Disposal methods

Product/Packaging disposal recommendations : Dispose in a safe manner in accordance with local/national regulations. Container under pressure. Do not drill or burn even after use.

Additional information : Flammable vapors may accumulate in the container.

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)	: 2.1 - Flammable gas



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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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)	: 2.1 - Flammable gases



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
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)	: 2.1



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



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

Some of the substances in this product are listed or exempt from listing on the US Toxic Substances Control Act (TSCA) Inventory.

15.2. International regulations

CANADA

Some of the substances in this product are not listed on the Canadian Domestic Substances List (DSL).

AUSTRALIA

Some of the substances in this product are not included on the Australia Inventory of Chemicals Substances (AICS).

15.3. US State regulations

California Proposition 65 - This product does not contain any substances known to the state of California to cause cancer, developmental and/or reproductive harm.

1,1-Difluoroethane (75-37-6)

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

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) List

Denatonium benzoate (3734-33-6)

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

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Butane (106-97-8)

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

Isobutane (75-28-5)

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

Oxirane, methyl-, polymer with oxirane, hexadecyl ether (9087-53-0)

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

Terpolymer of vinylpyrrolidone/ vinyl caprolactam/ dimethylamino-propyl-methacrylamide (180005-72-5)

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

SECTION 16: Other information

Revision date : 04 June 2020
Other information : None.

Full text of H-phrases:

H223	Flammable aerosol
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Indication of changes:

Section	Changed item	Change	Comments
15	Regulatory information	Modified	

SDS US (GHS HazCom 2012) Prop 65 Correction

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