

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

1.1. Product identifier

Product code: PURITY DESIGN MASTERPIECE MODELING ECO HAIR SPRAY

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

Hair pump spray

Sectors of use:

Private households (= general public = consumers)[SU21], Public domain (administration, education, entertainment, services, craftsmen)[SU22]

Product category:

Cosmetics, personal care products

Uses advised against

Do not use for purposes other than those listed

1.3. Details of the supplier of the safety data sheet

G.V.F - GIVIEFFE SPA - Via G. Falcone, 8 Tel. +39.02.90093743 Fax +39.02.90093740

Email: info@itelyhairfashion.it - www.itelyhairfashion.it

Email technical competent: lisanna.loiacono@itelyhairfashion.it

National contact: Emergency telephon number EU

1.4. Emergency telephone number

112

SECTION 2. Hazards identification

2.1. Classification of the substance or mixture

2.1.1 Classification according to Regulation (EC) No 1272/2008:

Pictograms:

GHS02

Hazard Class and Category Code(s):

Flam. Liq. 2

Hazard statement Code(s):

H225 - Highly flammable liquid and vapour.

The product easy inflames if subordinate to an ignition source.

2.2. Label elements

Labelling according to Regulation (EC) No 1272/2008:

Pictogram, Signal Word Code(s):

GHS02 - Danger

Hazard statement Code(s):

H225 - Highly flammable liquid and vapour.



Supplemental Hazard statement Code(s):
not applicable

Precautionary statements:

General

P101 - If medical advice is needed, have product container or label at hand.

P102 - Keep out of reach of children.

Prevention

P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

Storage

P403+P235 - Store in a well-ventilated place. Keep cool.

Disposal

P501 - Dispose of contents/container in accordance with local regulation.

2.3. Other hazards

The substance / mixture NOT contains substances PBT/vPvB according to Regulation (EC) No 1907/2006, Annex XIII

No information on other hazards

SECTION 3. Composition/information on ingredients

3.1 Substances

Irrilevant

3.2 Mixtures

Refer to paragraph 16 for full text of hazard statements

Substance	Concentration	Classification	Index	CAS	EINECS	REACH
ethanol	> 50 <= 100%	Flam. Liq. 2, H225		64-17-5	200-578-6	
dimethoxymethane	> 15 <= 19%	Flam. Liq. 2, H225		109-87-5	203-714-2	01-2119664 781-31
propan-2-ol	> 0,9 <= 4,9%	Flam. Liq. 2, H225; Eye Irrit. 2, H319; STOT SE 3, H336	603-117-00-0	67-63-0	200-661-7	01-2119457 558-25
n-Butyl alcohol	> 0,1 <= 0,9%	Flam. Liq. 3, H226; Acute Tox. 4, H302; Skin Irrit. 2, H315; Eye Dam. 1, H318; STOT SE 3, H335; STOT SE 3, H336	603-004-00-6	71-36-3	200-751-6	

SECTION 4. First aid measures

4.1. Description of first aid measures

Inhalation:

Air the area. Move immediately the contaminated patient from the area and keep him at rest in a well ventilated area. If you feel unwell seek medical advice.

Direct contact with skin (of the pure product):

Wash thoroughly with soap and running water.

Direct contact with eyes (of the pure product):

Wash immediately and thoroughly with running water for at least 10 minutes.

Ingestion:

Not hazardous. It's possible to give activated charcoal in water or liquid paraffin medicine

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

For symptoms and effects due to substances refer to paragraph 11.

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

If medical advice is needed, have product container or label at hand.

SECTION 5. Firefighting measures

5.1. Extinguishing media

Advised extinguishing agents:

CO2 or dry powder extinguisher

Extinguishing means to avoid:

Water jets. Use water jets only to cool the surfaces of the containers exposed to fire.

5.2. Special hazards arising from the substance or mixture

No data available.

5.3. Advice for firefighters

Use protection for the breathing apparatus

Safety helmet and full protective suit.

The spray water can be used to protect the people involved in the extinction

You may also use selfrespirator, especially when working in confined and poorly ventilated area and if you use halogenated extinguishers (Halon 1211 fluobrene, Solkan 123, NAF, etc...)

Keep containers cool with water spray

SECTION 6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1 For non-emergency personnel:

Leave the area surrounding the spill or release. Do not smoke

Wear gloves and protective clothing

6.1.2 For emergency responders:

Wear gloves and protective clothing.

Eliminate all unguarded flames and possible sources of ignition. No smoking.

Provision of sufficient ventilation.

Evacuate the danger area and, in case, consult an expert.

6.2. Environmental precautions

Contain spill with earth or sand.

If the product has entered a watercourse in sewers or has contaminated soil or vegetation, notify it to the the authorities.

Discharge the remains in compliance with the regulations

6.3. Methods and material for containment and cleaning up

6.3.1 For containment:

Recover the product for reuse, if possible, or for removal. Possibly absorb it with inert material.
Prevent it from entering the sewer system.

6.3.2 For cleaning up:

After wiping up, wash with water the area and materials involved

6.3.3 Other information:

None in particular.

6.4. Reference to other sections

Refer to paragraphs 8 and 13 for more information

SECTION 7. Handling and storage

7.1. Precautions for safe handling

Avoid contact and inhalation of vapors

Do not smoke at work

At work do not eat or drink.

Wear protective gloves/protective clothing/eye protection/face protection.

See also paragraph 8 below.

7.2. Conditions for safe storage, including any incompatibilities

Keep in original container closed tightly. Do not store in open or unlabeled containers.

Keep containers upright and safe by avoiding the possibility of falls or collisions.

Store in a cool place, away from sources of heat and direct exposure of sunlight.

Always store in well ventilated areas.

Never close the container tightly, leave a chance to vent

Keep away from open flames, sparks and heat sources. Avoid direct sunlight exposure.

7.3. Specific end use(s)

Private households (= general public = consumers):

- Keep away from heat sources, sparks, open flames
- Do not use on hot surfaces or surfaces exposed to direct sunlight
- Do not breathe spray/vapours
- Avoid contact with eyes
- Do not eat, drink or smoke when using
- Do not use in confined and/or limited spaces
- Accumulations of flammable vapour in the air may occur in case of an excessive use
- Use at a distance of 20 cm from the surface to be treated to prevent dispersion in the air
- Spray only briefly and take care for a good ventilation after use

Public domain (administration, education, entertainment, services, craftsmen):

- Keep away from heat sources, sparks, open flames
- Do not use on hot surfaces or surfaces exposed to direct sunlight
- Do not breathe spray/vapours
- Avoid contact with eyes
- Do not eat, drink or smoke when using
- Do not use in confined and/or limited spaces
- Accumulations of flammable vapour in the air may occur in case of an excessive use
- Use at a distance of 20 cm from the surface to be treated to prevent dispersion in the air
- Spray only briefly and take care for a good ventilation after use

SECTION 8. Exposure controls/personal protection

8.1. Control parameters

Related to contained substances:

ethanol:

TLV-TWA: 1000 ppm - 1880 mg/m³ (A4)

Not classifiable as a human carcinogen (ACGIH 2004)

MAK: 500 ppm - 960 mg/m³

Peak limitation category: II(2)

Carcinogen category: 5

Pregnancy risk group: C

Germ cell mutagen group: 5 (DFG 2004)

dimethoxymethane:

TLV-TWA: 1000 ppm (ACGIH 2005)

MAK: 1000 ppm 3200 mg/m³

Peak limitation category: II(2)

Pregnancy risk group: C (DFG 2006)

propan-2-ol:

TLV-TWA: 200 ppm

TLV-STEL: 400 ppm

A4 (not classifiable as a human carcinogen) (ACGIH 2013)

MAK: 200 ppm, 500 mg/m³

Peak limitation category: II(2)

Pregnancy risk group: C (DFG 2004)

n-Butyl alcohol:

TLV-TWA: 50 ppm (ACGIH 2005)

MAK: 100 ppm, 310 mg/m³

Peak limitation category: I(1)

Pregnancy risk group: C (DFG 2005)

- Substance: propan-2-ol

DNEL

Systemic effects Long term Workers inhalation = 500 (mg/m³)

Systemic effects Long term Workers dermal = 880 (mg/kg bw/day)

Systemic effects Long term Consumers inhalation = 89 (mg/m³)

Systemic effects Long term Consumers dermal = 319 (mg/kg bw/day)

Systemic effects Long term Consumers oral = 26 (mg/kg bw/day)

PNEC

Sweet water = 140,9 (mg/l)

sediment Sweet water = 552 (mg/kg/sediment)

Sea water = 140,9 (mg/l)

sediment Sea water = 552 (mg/kg/sediment)

ground = 28 (mg/kg ground)

8.2. Exposure controls

Appropriate engineering controls:

Private households (= general public = consumers):

Work in a well ventilated place or equipped with ventilation devices. Do not use on hot surfaces or surfaces exposed to sunlight in order to avoid rapid evaporation of the product. Use personal protective equipment (see below).

Public domain (administration, education, entertainment, services, craftsmen):

Work in a well ventilated place or equipped with ventilation devices. Do not use on hot surfaces or surfaces exposed to sunlight in order to avoid rapid evaporation of the product. Use personal protective equipment (see below).

Individual protection measures:

- (a) Eye / face protection
Not needed for normal use.
- (b) Skin protection
- (i) Hand protection
Not needed for normal use.
- (ii) Other
Wear normal work clothing.
- (c) Respiratory protection
Not needed for normal use.
- (d) Thermal hazards
No hazard to report

Environmental exposure controls:

Use according to good working practices to avoid pollution into the environment.

SECTION 9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical and chemical properties	Value	Determination method
Appearance	colourless or pale yellow liquid	VISUAL
Odour	fragrance	ORGANOLEPTIC
Odour threshold	not determined	
pH	irrelevant	PH-METER
Melting point/freezing point	-114 °C (ethanol)	
Initial boiling point and boiling range	78,3 °C (ethanol)	
Flash point	12 °C (ethanol)	
Evaporation rate	not determined	
Flammability (solid, gas)	irrelevant	
Upper/lower flammability or explosive limits	LEL 3,3% (vol); UEL 19% (vol)	
Vapour pressure	40 mmHg at 19 °C (ethanol)	
Vapour density	not determined	
Relative density	0,85 g/ml	
Solubility	in alcohol	
Water solubility	partial	
Partition coefficient: n-octanol/water	-0,32 Log POW (ethanol)	
Auto-ignition temperature	423 °C (etanolo)	
Decomposition temperature	not determined	
Viscosity	not determined	
Explosive properties	not determined	
Oxidising properties	not determined	

9.2. Other information

No data available.

SECTION 10. Stability and reactivity

10.1. Reactivity

Related to contained substances:

ethanol:

Reacts slowly with calcium hypochlorite, silver oxide and ammonia, causing fire and explosion hazard. Reacts violently with strong oxidants such as nitric acid, silver nitrate, mercuric nitrate or magnesium perchlorate, causing fire and explosion hazard.

dimethoxymethane:

The substance can presumably form explosive peroxides. May explode on heating. Reacts vigorously with strong oxidants causing fire and explosion hazard.

propan-2-ol:

Reacts with strong oxidants. Attacks some plastic, rubber.

n-Butyl alcohol:

The substance can form explosive peroxides. Reacts with aluminium when heated to 100°C, strong oxidants, such as chromium trioxide forming flammable/explosive gas (hydrogen - see ICSC0001). Attacks some forms of plastic, rubber and coatings.

10.2. Chemical stability

No hazardous reaction when handled and stored according to provisions.

10.3. Possibility of hazardous reactions

There are no hazardous reactions

10.4. Conditions to avoid

Avoid contact with combustible materials. The product could catch fire. heat, open flames, sparks or hot surfaces.

10.5. Incompatible materials

It can generate inflammable gases to contact with elementary metals, nitrides, strong reducing agents.
It can ignite in contact with oxidants mineral acids, elementary metals, nitrides, organic peroxides, organic water peroxides, oxidating and reducing agents.

10.6. Hazardous decomposition products

Does not decompose when used for intended uses.

SECTION 11. Toxicological information

11.1. Information on toxicological effects

ATE(mix) oral = 87.777,8 mg/kg

ATE(mix) dermal =

ATE(mix) inhal =

(a) acute toxicity: based on available data, the classification criteria are not met.

(b) skin corrosion/irritation based on available data, the classification criteria are not met.

SAFETY DATA SHEET



PURITY DESIGN MASTERPIECE

MODELING ECO HAIR SPRAY

In conformity to Regulation (EU) 2015/830

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- (c) serious eye damage/irritation: based on available data, the classification criteria are not met.
- (d) respiratory or skin sensitization: based on available data, the classification criteria are not met.
- (e) germ cell mutagenicity: based on available data, the classification criteria are not met.
- (f) carcinogenicity: based on available data, the classification criteria are not met.
- (g) reproductive toxicity: based on available data, the classification criteria are not met.
- (h) specific target organ toxicity (STOT) single exposure: based on available data, the classification criteria are not met.
- (i) specific target organ toxicity (STOT) repeated exposure based on available data, the classification criteria are not met.
- (j) aspiration hazard: based on available data, the classification criteria are not met.

Related to contained substances:

ethanol:

ROUTES OF EXPOSURE: The substance can be absorbed into the body by inhalation of its vapour and by ingestion.
INHALATION RISK: A harmful contamination of the air will be reached rather slowly on evaporation of this substance at 20°C.

EFFECTS OF SHORT-TERM EXPOSURE: The substance irritates the eyes. Inhalation of high concentration of vapour may cause irritation of the eyes and respiratory tract. The substance may cause effects on the central nervous system.
EFFECTS OF LONG-TERM OR REPEATED EXPOSURE: The liquid defats the skin. The substance may have effects on the upper respiratory tract and central nervous system, resulting in irritation, headache, fatigue and lack of concentration. See Notes.

ACUTE HAZARDS/SYMPTOMS

INHALATION Cough. Headache. Fatigue. Drowsiness.

SKIN Dry skin.

EYES Redness. Pain. Burning.

INGESTION Burning sensation. Headache. Confusion. Dizziness. Unconsciousness.

N O T E S Ethanol consumption during pregnancy may adversely affect the unborn child. Chronic ingestion of ethanol may cause liver cirrhosis.

LD50 (rat) Oral (mg/kg body weight) = 14000

LD50 Dermal (rat or rabbit) (mg/kg body weight) = 20000

CL50 Inhalation (rat) vapour/dust/mist/fume (mg/l/4h) or gas (ppmV/4h) = 20000

dimethoxymethane:

ROUTES OF EXPOSURE: The substance can be absorbed into the body by inhalation of its vapour and through the skin.

INHALATION RISK: A harmful contamination of the air can be reached rather quickly on evaporation of this substance at 20 °C.

EFFECTS OF SHORT-TERM EXPOSURE: The substance is irritating to the eyes, the skin and the respiratory tract. The substance may cause effects on the central nervous system. Exposure far above the OEL may result in unconsciousness.

EFFECTS OF LONG-TERM OR REPEATED EXPOSURE: The liquid defats the skin.

ACUTE HAZARDS/SYMPTOMS

INHALATION Cough. Dizziness. Drowsiness. Headache. Sore throat. Unconsciousness.

SKIN MAY BE ABSORBED! Dry skin. Redness. Pain. (Further see Inhalation).

EYES Redness. Pain.

INGESTION Abdominal pain. Nausea. Vomiting. (Further see Inhalation).

N O T E S An added stabilizer or inhibitor can influence the toxicological properties of this substance, consult an expert.

Methylal is metabolized to methanol and formaldehyde and may exhibit the same toxic reactions as these compounds.

LD50 (rat) Oral (mg/kg body weight) = 6143

CL50 Inhalation (rat) vapour/dust/mist/fume (mg/l/4h) or gas (ppmV/4h) = 15000

propan-2-ol:

ROUTES OF EXPOSURE: The substance can be absorbed into the body by inhalation of its vapour.

INHALATION RISK: A harmful contamination of the air will be reached rather slowly on evaporation of this substance at 20°C; on spraying or dispersing, however, much faster.

EFFECTS OF SHORT-TERM EXPOSURE: The substance is irritating to the eyes and the respiratory tract. The substance may cause effects on the central nervous system, resulting in depression. Exposure far above the OEL may result in unconsciousness.

EFFECTS OF LONG-TERM OR REPEATED EXPOSURE: The liquid defats the skin.

ACUTE HAZARDS/SYMPTOMS

INHALATION Cough. Dizziness. Drowsiness. Headache. Sore throat. (See Ingestion).

SKIN Dry skin.

EYES Redness.

INGESTION Abdominal pain. Laboured breathing. Nausea. Unconsciousness. Vomiting. (Further see Inhalation).

N O T E S Use of alcoholic beverages enhances the harmful effect.

LD50 (rat) Oral (mg/kg body weight) = 2100

LD50 Dermal (rat or rabbit) (mg/kg body weight) = 2100

n-Butyl alcohol:

ROUTES OF EXPOSURE: The substance can be absorbed into the body by inhalation of its vapour and by ingestion.

INHALATION RISK: A harmful contamination of the air will be reached rather slowly on evaporation of this substance at 20 °C.

EFFECTS OF SHORT-TERM EXPOSURE: The substance is irritating to the skin and is severely irritating to the eyes.

Exposure far above the OEL could cause lowering of consciousness. If this liquid is swallowed, aspiration into the lungs may result in chemical pneumonitis.

EFFECTS OF LONG-TERM OR REPEATED EXPOSURE: The liquid defats the skin.

ACUTE HAZARDS/SYMPTOMS

INHALATION Headache. Dizziness. Drowsiness.

SKIN Redness. Pain. Dry skin.

EYES Redness. Pain.

INGESTION Abdominal pain. Drowsiness. Dizziness. Nausea. Diarrhoea. Vomiting.

LD50 (rat) Oral (mg/kg body weight) = 790

LD50 Dermal (rat or rabbit) (mg/kg body weight) = 3400

CL50 Inhalation (rat) vapour/dust/mist/fume (mg/l/4h) or gas (ppmV/4h) = 24,3

SECTION 12. Ecological information

12.1. Toxicity

Related to contained substances:

ethanol:

Toxicity to fish

- LC50 *Leuciscus idus*, 48h: 8.140 mg/l

Toxicity to daphnia and other aquatic invertebrates

- EC50 *Daphnia magna*, 24h: 9,3 - 14,2 g/l

Toxicity to algae

- EC50 *Chlorella pyrenoidosa*, 24h > 100 mg/l (literature value)

dimethoxymethane:

Toxicity to fish

- LC50 *Pimephales promelas*, 96h: 7000 mg/l

Toxicity to daphnia and other aquatic invertebrates

- EC50 *Daphnia magna*, 48h > 500 mg/l

n-Butyl alcohol:

Toxicity to fish

- LC50 *Pimephales promelas*, 96h = 1730 mg/l (literature value)

Toxicity to daphnia and other aquatic invertebrates

- EC50 *Daphnia magna*, 24h = 2337 mg/l

Use according to good working practices to avoid pollution into the environment.

12.2. Persistence and degradability

No data available.

12.3. Bioaccumulative potential

No data available.

12.4. Mobility in soil

No data available.

12.5. Results of PBT and vPvB assessment

The substance / mixture NOT contains substances PBT/vPvB according to Regulation (EC) No 1907/2006, Annex XIII

12.6. Other adverse effects

No adverse effects

SECTION 13. Disposal considerations

13.1. Waste treatment methods

Do not reuse empty containers. Dispose of them in accordance with the regulations in force. Any remaining product should be disposed of according to applicable regulations by addressing to authorized companies.

Recover if possible. Send to authorized discharge plants or for incineration under controlled conditions. Operate according to local and National rules in force

SECTION 14. Transport information

14.1. UN number

ADR/RID/IMDG/ICAO-IATA: 1266

ADR exemption because compliance with the following characteristics:

Combination packagings: per inner packaging 5 L per package 30 Kg

Inner packagings placed in shrink-wrapped or stretch-wrapped trays: per inner packaging 5 L per package 20 Kg



14.2. UN proper shipping name

ADR/RID/IMDG: PERFUMERY PRODUCTS with flammable solvents

ICAO-IATA: PERFUMERY PRODUCTS with flammable solvents

14.3. Transport hazard class(es)

ADR/RID/IMDG/ICAO-IATA: Class: 3

ADR/RID/IMDG/ICAO-IATA: Label: Onu

ADR: Tunnel restriction code: D/E

ADR/RID/IMDG/ICAO-IATA: Limited quantities: 5 L

IMDG - EmS: F-E, S-D

14.4. Packing group

ADR/RID/IMDG/ICAO-IATA: II

14.5. Environmental hazards

ADR/RID/ICAO-IATA: Product is not environmentally hazardous

IMDG: Marine polluting agent: Not

14.6. Special precautions for user

The transport must be carried out by authorized vehicles for the transport of dangerous goods in accordance with the

requirements of the applicable Edition of the agreement A.D.R. and national provisions.

The transport must be carried out in the original packaging and in packages that are made from materials resistant to content and not likely to generate with this dangerous reactions. The process of loading and unloading of dangerous goods have received adequate training on the risks presented by prepared and on possible procedures to be taken in the event of emergency situations

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

It is not intended to carry bulk

SECTION 15. Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Directive 2012/18/EU, annex I, part 1

Control of Substances Hazardous to Health (COSHH), Regulations 2002

Regulation 2006/1907/EC (REACH), Regulation 2008/1272/EC (CLP).

Seveso category:

P5c - FLAMMABLE LIQUIDS

15.2. Chemical safety assessment

No chemical safety assessment was carried out by the supplier

SECTION 16. Other information

16.1. Other information

Description of the hazard statements exposed to point 3

H225 = Highly flammable liquid and vapour.

H319 = Causes serious eye irritation.

H336 = May cause drowsiness or dizziness.

H226 = Flammable liquid and vapour.

H302 = Harmful if swallowed.

H315 = Causes skin irritation.

H318 = Causes serious eye damage.

H335 = May cause respiratory irritation.

Classification based on data of all mixture components

Main normative references:

Regulation 1907/2006/EC

Regulation 1272/2008/EC

Regulation (EU) 2015/830

*** This tab annuls and replaces any previous edition.