

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

Mixture identification:
Trade name:
DEODORANT SPRAY (WITH PROPELLENT)

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

Recommended use: Cosmetic product

1.3. Details of the supplier of the safety data sheet

Company:
ANTONIO PUIG, S.A.
Plaza Europa, 46-48
08902 - L'Hospitalet de Llobregat
Barcelona, Spain
Responsible:
+34 93 400 70 00
sds@puig.es

1.4. Emergency telephone number

+34 93 400 70 00

2. HAZARDS IDENTIFICATION



2.1. Classification of the substance or mixture

Regulation (EC) No 1272/2008 (CLP):

Flam. Aerosols 1 Extremely flammable aerosol
Aerosols 1 Pressurised container: May burst if heated

Adverse physicochemical, human health and environmental effects:
No other hazards

2.2. Label elements

Regulation (EC) No 1272/2008 (CLP):

Pictograms and Signal Words



Danger

Code	Description
H222	Extremely flammable aerosol
H229	Pressurised container: May burst if heated
Code	Description
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. 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

No PBT, vPvB or endocrine disruptor substances present in concentration >= 0.1%

Other Hazards: No other hazards

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances

N/A

3.2. Mixtures

List of components

Qty	Name	Ident. Numb.	Classification	Registration Number	Material Properties
> 30 %	ALCOHOL DENAT.	CAS: 64-17-5	Flam. Liq. 2, H225;		
> 30 %	ISOBUTANE.	CAS: 75-28-5	Flam. Liq. 2, H225		

4. FIRST AID MEASURES

4.1. Description of first aid measures

In case of eyes contact:

Wash immediately with water.

In case of Ingestion:

Do not induce vomiting, get medical attention showing the MSDS and label hazardous.

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

N/A

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

5. FIRE-FIGHTING MEASURES

5.1. Extinguishing media

Suitable extinguishing media:

Water.

Carbon dioxide (CO2).

Extinguishing media which must not be used for safety reasons:

None in particular.

5.2. Special hazards arising from the substance or mixture

Do not inhale explosion and combustion gases.

Burning produces heavy smoke.

5.3. Advice for firefighters

Use suitable breathing apparatus .

Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

Move undamaged containers from immediate hazard area if it can be done safely.

6. ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Wear personal protection equipment.

Remove persons to safety.

See protective measures under point 7 and 8.

6.2. Environmental precautions

Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains.

Retain contaminated washing water and dispose it.

In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.

Suitable material for taking up: absorbing material, organic, sand

6.3. Methods and material for containment and cleaning up

Suitable material for taking up: absorbing material, organic, sand

Wash with plenty of water.

6.4. Reference to other sections

See also section 8 and 13

7. HANDLING AND STORAGE

7.1. Precautions for safe handling

Don't use empty container before they have been cleaned.

Before making transfer operations, assure that there aren't any incompatible material residuals in the containers.

Contaminated clothing should be changed before entering eating areas.

Do not eat or drink while working.

See also section 8 for recommended protective equipment.

7.2. Conditions for safe storage, including any incompatibilities

Incompatible materials:

None in particular.

Instructions as regards storage premises:

Adequately ventilated premises.

7.3. Specific end use(s)

Recommendation(s)

None in particular

Industrial sector specific solutions:

None in particular

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

No Data Available

8.2. Exposure controls

Eye protection:

Not needed for normal use. Anyway, operate according good working practices.

Protection for skin:

No special precaution must be adopted for normal use.

Protection for hands:

Not needed for normal use.

Respiratory protection:

N/A

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Physical State: Liquid

Appearance and colour: In accordance with technical data sheet.

Odour: In accordance with technical data sheet.

Odour threshold: N/A

pH: N/A

Melting point / freezing point: N/A

Boiling point: >78 °C (172 °F)

Flash point: <23 °C (73 °F)

Evaporation rate: N/A

Upper/lower flammability or explosive limits: N/A

Vapour density: N/A

Vapour pressure: N.A.

Density (g/ml): 0.80-0.90

Solubility in water: N/A

Solubility in oil: N/A

Partition coefficient (n-octanol/water): N/A

Auto-ignition temperature: N/A

Decomposition temperature: N/A

Viscosity: N/A

Explosive properties: N/A

Oxidizing properties: N/A

Solid/gas flammability: N/A

9.2. Other information

Substance Groups relevant properties N/A

Miscibility: N/A

Fat Solubility: N/A

Conductivity: N/A

10. STABILITY AND REACTIVITY

10.1. Reactivity

Stable under normal conditions

10.2. Chemical stability

Data not Available.

10.3. Possibility of hazardous reactions

None.

10.4. Conditions to avoid

Stable under normal conditions.

10.5. Incompatible materials

None in particular.

10.6. Hazardous decomposition products

None.

11. TOXICOLOGICAL INFORMATION**11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008****Toxicological Information of the Preparation**

a) acute toxicity	Not classified Based on available data, the classification criteria are not met
b) skin corrosion/irritation	Not classified Based on available data, the classification criteria are not met
c) serious eye damage/irritation	Not classified Based on available data, the classification criteria are not met
d) respiratory or skin sensitisation	Not classified Based on available data, the classification criteria are not met
e) germ cell mutagenicity	Not classified Based on available data, the classification criteria are not met
f) carcinogenicity	Not classified Based on available data, the classification criteria are not met
g) reproductive toxicity	Not classified Based on available data, the classification criteria are not met
h) STOT-single exposure	Not classified Based on available data, the classification criteria are not met
i) STOT-repeated exposure	Not classified Based on available data, the classification criteria are not met
j) aspiration hazard	Not classified Based on available data, the classification criteria are not met

11.2. Information on other hazards**Endocrine disrupting properties:**

No endocrine disruptor substances present in concentration $\geq 0.1\%$

12. ECOLOGICAL INFORMATION**12.1. Toxicity**

Adopt good working practices, so that the product is not released into the environment.

Eco-Toxicological Information:

List of Eco-Toxicological properties of the product

No Data Available

12.2. Persistence and degradability

N/A

12.3. Bioaccumulative potential

N/A

12.4. Mobility in soil

N/A

12.5. Results of PBT and vPvB assessment

No PBT Ingredients are present

12.6. Endocrine disrupting properties

No endocrine disruptor substances present in concentration $\geq 0.1\%$

12.7. Other adverse effects

No Data found about other environmental hazard properties.

13. DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Recover if possible. In so doing, comply with the local and national regulations currently in force.

14. TRANSPORT INFORMATION

14.1. UN number

ADR / IMDG : UN 1950

IATA : ID8000

14.2. UN proper shipping name

ADR- AEROSOLS

IATA- CONSUMER COMMODITY

IMDG- AEROSOLS

14.3. Transport hazard class(es)

ADR-Class 2

IATA-Class 2

IMDG-Class 2

14.4. Packing group

ADR-Packing Group: N/A

IATA- ID8000-Packing instructions: N/A

IMDG-Packing group: N/A

14.5. Environmental hazards

Environmental Pollutant: N/A

Marine pollutant: N/A

14.6. Maritime transport in bulk according to IMO instruments

N/A

15. REGULATORY INFORMATION

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

Dir. 98/24/EC (Risks related to chemical agents at work). Dir. 2000/39/EC (Occupational exposure limit values); Dir. 2006/8/CE. Regulation (CE) n. 1907/2006 (REACH), Regulation (CE) n.1272/2008 (CLP), Regulation (CE) n.790/2009.

Directive 2003/105/CE ('Activities linked to risks of serious accidents') and subsequent amendments.

Dispositions about directives 82/501/CE, 96/82/CE(Seveso bis), 2003/15/CE(Seveso ter):

Product non subject to Regulations.

German Water Hazard Class.

N/A

16. OTHER INFORMATION

Main bibliographic sources:

ECDIN - Environmental Chemicals Data and Information Network - Joint Research Centre, Commission of the European Communities

SAX's DANGEROUS PROPERTIES OF INDUSTRIAL MATERIALS - Eight Edition - Van Nostrand Reinold

The information contained herein is based on our state of knowledge at the above-specified date. It refers solely to the product indicated and constitutes no guarantee of particular quality.

It is the duty of the user to ensure that this information is appropriate and complete with respect to the specific use intended.

This MSDS cancels and replaces any preceding release.

Legend to abbreviations and acronyms used in the safety data sheet:

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road
RID: Regulation Concerning the International Transport of Dangerous Goods by Rail.
IMDG: International Maritime Code for Dangerous Goods.
IATA: International Air Transport Association
IATA-DGR: Dangerous Goods Regulation by the "International Air Transport Association" (IATA).
ICAO: International Civil Aviation Organization
ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO).
GHS: Globally Harmonized System of Classification and Labeling of Chemicals.
CLP: Classification, Labeling, Packaging.
EINECS: European Inventory of Existing Commercial Chemical Substances
INCI: International Nomenclature of Cosmetic Ingredients.
CAS: Chemical Abstracts Service (division of the American Chemical Society).
GefStoffVO: Ordinance on Hazardous Substances, Germany
LC50: Lethal concentration, for 50 percent of test population
LD50: Lethal dose, for 50 percent of test population
DNEL: Derived No Effect Level
PNEC: Predicted No Effect Concentration
TLV: Threshold Limiting Value
TWATLV: Threshold Limit Value for the Time Weighted Average 8 hour day. (ACGIH Standard).
STEL: Short Term Exposure limit.
STOT: Specific Target Organ Toxicity.
WGK: German Water Hazard Class.
KSt: Explosion coefficient