

## Safety data sheet

According to 1907/2006/CE

### SECTION 1: Identification of the substance/mixture and of the company/undertaking

- **1.1 Product identifier**
  - Trade name **GET OFF AIR SPRAY 400ML**
  - Article number: Y708001
- **1.2 Relevant identified uses of the substance or mixture and uses advised against**

No further relevant information available.
- **1.3 Details of the supplier of the safety data sheet**
  - **Manufacturer/Supplier:**

Blumen Group S.p.a  
Via Carlo Strinati 7/9 - Loc. Le Mose  
29122 Piacenza Italy  
tel. +39 0523 573211  
fax +39 0523 573298  
msds@blumen.it
  - **Informing department:** Product Safety Department
- **1.4 Emergency telephone number:**

Milano - Ospedale Niguarda - Tel.+39 02 66101029  
Roma - Policlinico A. Gemelli - +39 06 3054343  
Roma - Policlinico Umberto I - Tel.+39 0649  
Ancona - Centro universitario ospedaliero di farmacovigilanza - Tel. +39 0721 81028  
Bergamo - USSA Tossicologia Clinica Ospedali Riuniti di Bergamo - Tel. 800 883300  
Catania - Ospedale Garibaldi - Tel. +39 095 7594120 Numero verde 800 410989  
Firenze - Ospedale Careggi - Tel. +39 055 7947819  
Genova - Ospedale San Martino - Tel. +39 010 352808  
Lecce - Presidio Ospedaliero n. 1 - Tel. +39 0832 351105  
Napoli - Ospedale Cardarelli - Tel.+39 081 7472870  
Pavia - Centro Nazionale di Informazione Tossicologica - Tel.+39 0382 24444  
Pordenone - Ospedale Civile - Tel.+39 0434 550301  
Reggio Calabria - Ospedali Riuniti - Tel.+39 096 5811624

### SECTION 2: Hazards identification

- **2.1 Classification of the substance or mixture**
  - **Classification according to Regulation (EC) No 1272/2008**



GHS02 flame

Aerosol 1 H222-H229 Extremely flammable aerosol. Pressurised container: May burst if heated.

- **2.2 Label elements**
  - **Labelling according to Regulation (EC) No 1272/2008**

The product is classified and labelled according to the CLP regulation.

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#### · Hazard pictograms



GHS02

#### · Signal word Danger

#### · Hazard statements

H222-H229 Extremely flammable aerosol. Pressurised container: May burst if heated.

#### · Precautionary statements

- 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 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

#### · Results of PBT and vPvB assessment

- **PBT:** Not applicable.
- **vPvB:** Not applicable.

### SECTION 3: Composition/information on ingredients

#### · 3.2 Chemical characterisation: Mixtures

· **Description:** Mixture consisting of the following components:

#### · Dangerous components:

CAS: 106-97-8	butane, pure	≥30-≤49%
EINECS: 203-448-7	Flam. Gas 1, H220; Acute Tox. 3, H331; Press. Gas C, H280	
CAS: 74-98-6	propane liquefied	≥5-≤30%
EINECS: 200-827-9	Flam. Gas 1, H220; Press. Gas C, H280	
CAS: 75-28-5	isobutane	≥5-≤30%
EINECS: 200-857-2	Flam. Gas 1, H220; Press. Gas C, H280	

· **Additional information** For the wording of the listed hazard phrases refer to section 16.

### SECTION 4: First aid measures

#### · 4.1 Description of first aid measures

- **After inhalation** Supply fresh air; consult doctor in case of symptoms.
- **After skin contact** The product is not skin irritating.
- **After eye contact** Rinse opened eye for several minutes under running water.
- **After swallowing** In case of persistent symptoms consult doctor.

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

No further relevant information available.

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- **4.3 Indication of any immediate medical attention and special treatment needed**  
No further relevant information available.

### SECTION 5: Firefighting measures

- **5.1 Extinguishing media**
- **Suitable extinguishing agents**  
CO<sub>2</sub>, extinguishing powder or water jet. Fight larger fires with water jet or alcohol-resistant foam.
- **5.2 Special hazards arising from the substance or mixture**  
No further relevant information available.
- **5.3 Advice for firefighters**
- **Protective equipment:** No special measures required.

### SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures**  
Use breathing protection against the effects of fumes/dust/aerosol.
- **6.2 Environmental precautions:** No special measures required.
- **6.3 Methods and material for containment and cleaning up:** Ensure adequate ventilation.
- **6.4 Reference to other sections**  
See Section 7 for information on safe handling  
See Section 8 for information on personal protection equipment.  
See Section 13 for information on disposal.

### SECTION 7: Handling and storage

- **7.1 Precautions for safe handling** Keep containers tightly sealed.
- **Information about protection against explosions and fires:**  
Do not spray on flames or red-hot objects.  
Keep ignition sources away - Do not smoke.  
Beware: Container is pressurized. Keep away from direct sun exposure and temperatures over 50°C. Do not open by force or throw into fire even after use.
- **7.2 Conditions for safe storage, including any incompatibilities**
- **Storage**
- **Requirements to be met by storerooms and containers:**  
Observe official regulations on storing packagings with pressurised containers.
- **Information about storage in one common storage facility:** Store away from foodstuffs.
- **Further information about storage conditions:** Keep container tightly sealed.
- **7.3 Specific end use(s)** No further relevant information available.

### SECTION 8: Exposure controls/personal protection

- **Additional information about design of technical systems:** No further data; see item 7.

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**8.1 Control parameters**

**Components with critical values that require monitoring at the workplace:**

**106-97-8 butane, pure**

WEL	Short-term value: 1810 mg/m <sup>3</sup> , 750 ppm Long-term value: 1450 mg/m <sup>3</sup> , 600 ppm Carc (if more than 0.1% of buta-1.3-diene)
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**Additional information:** The lists that were valid during the compilation were used as basis.

**8.2 Exposure controls**

**Personal protective equipment**

**General protective and hygienic measures**

- Respiratory protection : Use efficient exhaust ventilation to remove vapours from hot product.
- Hands protection : Use safety gloves while in contact with hot product.
- Eyes protection : Safety goggles should be worn while using hot product.
- Other protective clothing or equipment : Full body protection against hot, molten product.

Wash hands during breaks and at the end of the work.

**Breathing equipment:** Use breathing protection in case of insufficient ventilation.

**Protection of hands:**

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

**Material of gloves**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

**Penetration time of glove material**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

**Eye protection:** Safety goggles should be worn while using hot product.

**SECTION 9: Physical and chemical properties**

**9.1 Information on basic physical and chemical properties**

**General Information**

**Appearance:**

**Form:** Aerosol  
**Colour:** According to product specification

**Odour:** characteristic

**Odour threshold:** Not determined.

**pH-value:** 7

**Change in condition**

**Melting point/freezing point:** not determined

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<b>Initial boiling point and boiling range:</b>	-44.5 °C
· <b>Flash point:</b>	-97 °C (DIN 53213)
· <b>Inflammability (solid, gaseous)</b>	Not applicable.
· <b>Ignition temperature:</b>	365 °C (DIN 51794)
· <b>Decomposition temperature:</b>	Not determined.
· <b>Self-inflammability:</b>	Product is not self-inflammable.
· <b>Explosive properties:</b>	Product is not explosive.
· <b>Critical values for explosion:</b>	
<b>Lower:</b>	1.5 Vol %
<b>Upper:</b>	10.9 Vol %
· <b>Vapour pressure at 20 °C:</b>	8,300 hPa
· <b>Density:</b>	not determined
· <b>Relative density at 20 °C</b>	0.62
· <b>Vapour density</b>	Not determined.
· <b>Evaporation rate</b>	Not applicable.
· <b>Solubility in / Miscibility with Water:</b>	Not miscible.
· <b>Partition coefficient: n-octanol/water:</b>	Not determined.
· <b>Viscosity:</b>	
<b>dynamic:</b>	Not determined.
<b>kinematic:</b>	Not determined.
· <b>Solvent content:</b>	
<b>Organic solvents</b>	39-80 %
<b>Total solids:</b>	0.0 %
· <b>9.2 Other information</b>	VOC (Direttiva 2010/75/CE) : 80,00 % VOC (carbonio volatile) : 0 Punto di infiammabilità/Flash point < -60°C (rif. propellente)

### SECTION 10: Stability and reactivity

- **10.1 Reactivity** No further relevant information available.
- **10.2 Chemical stability**
- **Conditions to be avoided:** No decomposition if used according to specifications.
- **10.3 Possibility of hazardous reactions**  
With appropriate storage conditions and handling: none.
- **10.4 Conditions to avoid** No further relevant information available.
- **10.5 Incompatible materials:** No further relevant information available.
- **10.6 Hazardous decomposition products:**  
In case of fire:

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carbon monoxide and carbon dioxide

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### SECTION 11: Toxicological information

- **11.1 Information on toxicological effects**
- **Acute toxicity** Based on available data, the classification criteria are not met.
- **Primary irritant effect:**
- **Skin corrosion/irritation** Based on available data, the classification criteria are not met.
- **Serious eye damage/irritation** Based on available data, the classification criteria are not met.
- **Respiratory or skin sensitisation**  
Based on available data, the classification criteria are not met.
- **Germ cell mutagenicity** Based on available data, the classification criteria are not met.
- **Carcinogenicity** Based on available data, the classification criteria are not met.
- **Reproductive toxicity** Based on available data, the classification criteria are not met.
- **STOT-single exposure** Based on available data, the classification criteria are not met.
- **STOT-repeated exposure** Based on available data, the classification criteria are not met.
- **Aspiration hazard** Based on available data, the classification criteria are not met.

### SECTION 12: Ecological information

- **12.1 Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **12.2 Persistence and degradability** No further relevant information available.
- **12.3 Bioaccumulative potential** No further relevant information available.
- **12.4 Mobility in soil** No further relevant information available.
- **Additional ecological information:**
- **General notes:** Generally not hazardous for water.
- **12.5 Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **12.6 Other adverse effects** No further relevant information available.

### SECTION 13: Disposal considerations

- **13.1 Waste treatment methods**
- **Recommendation**  
Must not be disposed of together with household garbage. Do not allow product to reach sewage system.
- **Uncleaned packagings:**
- **Recommendation:** Disposal must be made according to official regulations.

### SECTION 14: Transport information

- **14.1 UN-Number**
- **ADR, IMDG, IATA** UN1950

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- **14.2 UN proper shipping name**
- **ADR** 1950 AEROSOL
- **IMDG** AEROSOLS
- **IATA** AEROSOLS, flammable
- **14.3 Transport hazard class(es)**

- **ADR**



- **Class** 2 5F Gases.
- **Label** 2.1

- **IMDG, IATA**



- **Class** 2.1
- **Label** 2.1
- **14.4 Packing group**
- **ADR, IMDG, IATA** void
- **14.5 Environmental hazards:** Not applicable.
- **14.6 Special precautions for user** Warning: Gases.
- **Kemler Number:** -
- **EmS Number:** F-D,S-U
- **Stowage Category** B
- **Stowage Code** SW1 Protected from sources of heat.  
SW22 For AEROSOLS with a maximum capacity of 1 litre: Category A. For AEROSOLS with a capacity above 1 litre: Category B. For WASTE AEROSOLS: Category C, Clear of living quarters.
- **Segregation Code** SG69 For AEROSOLS with a maximum capacity of 1 litre: Segregation as for class 9. Stow "separated from" class 1 except for division 1.4. For AEROSOLS with a capacity above 1 litre: Segregation as for the appropriate subdivision of class 2. For WASTE AEROSOLS: Segregation as for the appropriate subdivision of class 2.
- **14.7 Transport in bulk according to Annex II of Marpol and the IBC Code** Not applicable.

- **Transport/Additional information:**

- **ADR**
- **Excepted quantities (EQ)** Code: E0  
Not permitted as Excepted Quantity

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- **IMDG**
- **Limited quantities (LQ)** 1L
- **Excepted quantities (EQ)** Code: E0  
Not permitted as Excepted Quantity
- **UN "Model Regulation":** UN 1950 AEROSOLS, 2.1

### SECTION 15: Regulatory information

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **Directive 2012/18/EU**
- **Named dangerous substances - ANNEX I** None of the ingredients is listed.
- **Seveso category P3a FLAMMABLE AEROSOLS**
- **Qualifying quantity (tonnes) for the application of lower-tier requirements** 150 t
- **Qualifying quantity (tonnes) for the application of upper-tier requirements** 500 t
- **REGULATION (EC) No 1907/2006 ANNEX XVII** Conditions of restriction: 3
- **National regulations**
- **Technical instructions on air pollution control (TA-Luft):**

Class	content in %
NK	80.0

- **Water hazard class:** Generally not hazardous for water.
- **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

### SECTION 16: Other information

These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- **Relevant phrases**  
H220 Extremely flammable gas.  
H280 Contains gas under pressure; may explode if heated.  
H331 Toxic if inhaled.
- **Department issuing data specification sheet:** Product Safety Department
- **Contact:** Product Safety Department
- **Abbreviations and acronyms:**  
ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)  
IMDG: International Maritime Code for Dangerous Goods  
IATA: International Air Transport Association  
GHS: Globally Harmonised System of Classification and Labelling of Chemicals  
EINECS: European Inventory of Existing Commercial Chemical Substances  
ELINCS: European List of Notified Chemical Substances  
CAS: Chemical Abstracts Service (division of the American Chemical Society)  
PBT: Persistent, Bioaccumulative and Toxic  
vPvB: very Persistent and very Bioaccumulative  
Flam. Gas 1: Flammable gases – Category 1  
Aerosol 1: Aerosols – Category 1  
Press. Gas C: Gases under pressure – Compressed gas  
Acute Tox. 3: Acute toxicity – Category 3