

# Safety Data Sheet

according to Regulation (EC) No 1907/2006

*Augusta*<sup>®</sup> & CO  
**BULLNHEIMER**  
GMBH & CO KG  
Import • Export • Großhandel • Fabrikation



## AL159.400 Druckluftspray 400ml

Revision date: 22.10.2018

Page 1 of 9

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

#### 1.1. Product identifier

Druckgasspray brennbar 400ml

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

##### Use of the substance/mixture

see product name

#### 1.3. Details of the supplier of the safety data sheet

Company name: Bullnheimer & Co. GmbH & Co. KG  
Street: Im Tal 12  
Place: 86179 Augsburg  
Telephone: +49 (0) 821 80850 0  
e-mail: [info@bullnheimer.de](mailto:info@bullnheimer.de)  
Internet: [www.bullnheimer.de](http://www.bullnheimer.de)

#### 1.4. Emergency telephone number:

+49 (0) 821 80850 during office hours Mon-Thu 8:00 to 16:00, Fr. 08:00 – 13.00

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

Regulation (EC) No. 1272/2008 Hazard categories:

Aerosol: Aerosol 1

Hazard Statements:

Extremely flammable aerosol.

Pressurised container: May burst if heated.

#### 2.2. Label elements

Regulation (EC) No. 1272/2008

Signal word: Danger

Pictograms:



##### Hazard statements

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

##### Precautionary statements

P102 Keep out of reach of children.  
P103 Read label before use.  
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.

# Safety Data Sheet

according to Regulation (EC) No 1907/2006



## AL159.400 Druckluftspray 400ml

Revision date: 22.10.2018

Page 2 of 9

P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.

### 2.3. Other hazards

In case of insufficient ventilation and/or through use, explosive/highly flammable mixtures may develop.

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

#### Hazardous components

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	Classification according to Regulation (EC) No. 1272/2008 [CLP]			
106-97-8	Butane			65 - < 70 %
	203-448-7		01-2119474691-32	
	Flam. Gas 1, Liquefied gas; H220 H280			
74-98-6	Propane			30 - < 35 %
	200-827-9		01-2119486944-21	
	Flam. Gas 1, Liquefied gas; H220 H280			

Full text of H and EUH statements: see section 16.

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

#### General information

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).



**AL159.400 Druckluftspray 400ml**

Revision date: 22.10.2018

Page 3 of 10

**After inhalation**

Provide fresh air. If breathing is irregular or stopped, administer artificial respiration. Call a physician immediately.

**After contact with skin**

Wash with plenty of water. Take off contaminated clothing and wash it before reuse. In case of skin reactions, consult a physician.

**After contact with eyes**

Rinse immediately carefully and thoroughly with eye-bath or water. Consult an ophthalmologist.

**After ingestion**

Exposure route not applicable.

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

No information available.

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

Treat symptomatically.

**SECTION 5: Firefighting measures**

**5.1. Extinguishing media**

**Suitable extinguishing media**

Carbon dioxide (CO<sub>2</sub>), Foam, Extinguishing powder.

**Unsuitable extinguishing media**

Water.

**5.2. Special hazards arising from the substance or mixture**

Flammable. Vapours can form explosive mixtures with air.

**5.3. Advice for firefighters**

In case of fire: Wear self-contained breathing apparatus.

**Additional information**

Use water spray jet to protect personnel and to cool endangered containers.

**SECTION 6: Accidental release measures**

**6.1. Personal precautions, protective equipment and emergency procedures**

Remove all sources of ignition.

**6.2. Environmental precautions**

Do not allow uncontrolled discharge of product into the environment. Danger of explosion

**6.3. Methods and material for containment and cleaning up**

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents). Treat the recovered material as prescribed in the section on waste disposal.

**6.4. Reference to other sections**

Safe handling: see section 7

Personal protection equipment: see section 8

Disposal: see section 13

# Safety Data Sheet

according to Regulation (EC) No 1907/2006



## AL159.400 Druckluft 400ml

Revision date: 22.10.2018

Page 4 of 10

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

##### **Advice on safe handling**

Do not pierce or burn, even after use.

##### **Advice on protection against fire and explosion**

Do not spray on naked flames or any incandescent material. Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F. Keep away from sources of ignition - No smoking. Take precautionary measures against static discharges. Vapours can form explosive mixtures with air.

##### **Further information on handling**

Heating causes rise in pressure with risk of bursting.

#### 7.2. Conditions for safe storage, including any incompatibilities

##### **Requirements for storage rooms and vessels**

Keep container tightly closed. Keep in a cool, well-ventilated place. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

##### **Advice on storage compatibility**

Do not store together with: Oxidising agent. Pyrophoric or self-heating substances.

#### 7.3. Specific end use(s)

Aerosol

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

##### **Exposure limits (EH40)**

CAS No	Substance	ppm	mg/m <sup>3</sup>	fibres/ml	Category	Origin
106-97-8	Butane	600	1450		TWA (8 h)	WEL
		750	1810		STEL (15 min)	WEL

#### 8.2. Exposure controls

##### **Protective and hygiene measures**

Take off contaminated clothing. Wash hands before breaks and after work. When using do not eat or drink.

##### **Eye/face protection**

Wear eye protection/face protection. Suitable eye protection: Eye glasses with side protection DIN EN 166

##### **Hand protection**

Hand protection is not required

##### **Skin protection**

Wear anti-static footwear and clothing

##### **Respiratory protection**

Usually no personal respiratory protection necessary.

# Safety Data Sheet

according to Regulation (EC) No 1907/2006



## AL159.400 Druckluft 400ml

Revision date: 22.10.2018

Page 5 of 10

### SECTION 9: Physical and chemical properties

#### Changes in the physical state

Melting point:	not applicable
Initial boiling point and boiling range:	< -20 °C
Flash point:	< -20 °C
Sustaining combustion:	No data available

#### Flammability

Solid:	not applicable
Gas:	not applicable

#### Explosive properties

In use may form flammable/explosive vapour-air mixture.

Lower explosion limits:	1,4 vol. %
Upper explosion limits:	15 vol. %
Ignition temperature:	287 °C

#### Auto-ignition temperature

Solid:	not applicable
Gas:	not applicable

Decomposition temperature: not determined

#### Oxidizing properties

Not oxidising.

Vapour pressure:	not determined
Density (at 20 °C):	0,56 g/cm <sup>3</sup>
Water solubility (at 20 °C):	practically insoluble

#### Solubility in other solvents

not determined

Partition coefficient:	not determined
Viscosity / dynamic:	not applicable
Vapour density:	not determined
Evaporation rate:	not determined

#### 9.2. Other information

Solid content:	not determined
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### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

Flammable, Ignition hazard.

#### 10.2. Chemical stability



**AL159.400 Druckluft 400ml**

Revision date: 22.10.2018

Page 6 of 10

The product is stable under storage at normal ambient temperatures.

**10.3. Possibility of hazardous**

reactions No known hazardous reactions.

**10.4. Conditions to avoid**

Keep away from sources of heat (e.g. hot surfaces), sparks and open flames. Vapours can form explosive mixtures with air.

**10.5. Incompatible materials**

No information available.

**10.6. Hazardous decomposition products**

No known hazardous decomposition products.

**SECTION 11: Toxicological information**

**11.1. Information on toxicological effects**

**Acute toxicity**

Based on available data, the classification criteria are not met.

**Irritation and corrosivity**

Based on available data, the classification criteria are not met.

**Sensitising effects**

Based on available data, the classification criteria are not met.

**Carcinogenic/mutagenic/toxic effects for reproduction**

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**

The product is not: Ecotoxic.

CAS No	Chemical name					
	Aquatic toxicity	Dose	[h]   [d]	Species	Source	Method
106-97-8	Butane					
	Acute fish toxicity	LC50 mg/l	49,9	96 h	Fish, no other information	United States Environmental Protection A The Ecosar class program has been develo
	Acute algae toxicity	ErC50 mg/l	19,37	96 h	Algae	USEPA OPPT Risk Assessment Division (200 Calculation using ECOSAR Program v1.00.

# Safety Data Sheet



according to Regulation (EC) No 1907/2006

## AL159.400 Druckluft 400ml

Revision date: 22.10.2018

Page 6 of 10

	Acute crustacea toxicity	EC50 mg/l	69,43	48 h	Daphnia sp.	USEPA OPPT Risk Assessment Division (200	Calculation using ECOSAR Program v1.00.
74-98-6	Propane						
	Acute fish toxicity	LC50 mg/l	147,54	96 h	Fish, no other information	United States Enviro	The Ecosar class pro
	Acute algae toxicity	ErC50 mg/l	16,47	96 h	Green alga	United States Environmental Protection A	Calculation using ECOSAR Program v1.00.
	Acute crustacea toxicity	EC50 mg/l	46,6	48 h	Daphnid no other information.	United States Environmental Protection A	Calculation using ECOSAR Program v1.00

### 12.2. Persistence and degradability

The product has not been tested.

### 12.3. Bioaccumulative potential

The product has not been tested.

### Partition coefficient n-octanol/water

CAS No	Chemical name	Log Pow
106-97-8	Butane	2,8
74-98-6	Propane	1,81

### 12.4. Mobility in soil

The product has not been tested.

### 12.5. Results of PBT and vPvB assessment

The product has not been tested.

### 12.6. Other adverse effects

No information available.

### Further information

Avoid release to the environment.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

#### **Advice on disposal**

Do not allow to enter into surface water or drains. Dispose of waste according to applicable legislation.

#### **Waste disposal number of waste from residues/unused products**

160504 WASTES NOT OTHERWISE SPECIFIED IN THE LIST; gases in pressure containers and discarded chemicals; gases in pressure containers (including halons) containing hazardous substances; hazardous waste

#### **Contaminated packaging**

Completely emptied packages can be recycled.

## SECTION 14: Transport information

### Land transport (ADR/RID) 14.1. UN

<b>number:</b>	UN 1950
<b>14.2. UN proper shipping name:</b>	AEROSOLS
<b>14.3. Transport hazard class(es):</b>	2
<b>14.4. Packing group:</b>	-
Hazard label:	2.1
Classification code:	5F

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## AL159.400 Druckluftspray 400ml

Revision date: 22.10.2018

Page 8 of 10

Hazard label: 2.1



Classification code: 5F  
Special Provisions: 190 327 344 625  
Limited quantity: 1 L  
Excepted quantity: E0  
Transport category: 2  
Tunnel restriction code: D

### Inland waterways transport (ADN)

**14.1. UN number:** UN 1950  
**14.2. UN proper shipping name:** AEROSOLS  
**14.3. Transport hazard class(es):** 2  
**14.4. Packing group:** -

Hazard label: 2.1



Classification code: 5F  
Special Provisions: 190 327 344 625  
Limited quantity: 1 L  
Excepted quantity: E0

### Marine transport (IMDG)

**14.1. UN number:** UN 1950  
**14.2. UN proper shipping name:** AEROSOLS  
**14.3. Transport hazard class(es):** 2.1  
**14.4. Packing group:** -

Hazard label: 2.1



Special Provisions: 63, 190, 277, 327, 344, 959  
Limited quantity: 1000 mL  
Excepted quantity: E0  
EmS: F-D, S-U

### Air transport (ICAO-TI/IATA-DGR)

**14.1. UN number:** UN 1950  
**14.2. UN proper shipping name:** AEROSOLS, flammable  
**14.3. Transport hazard class(es):** 2.1



# Safety Data Sheet

according to Regulation (EC) No 1907/2006



## AL159.400 Druckluft 400ml

Revision date: 22.10.2018

Page 9 of 10

### 14.4. Packing group:

Hazard label: -  
2.1



Special Provisions: A145 A167 A802  
Limited quantity Passenger: 30 kg G  
Passenger LQ: Y203  
Excepted quantity: E0  
IATA-packing instructions - Passenger: 203  
IATA-max. quantity - Passenger: 75 kg  
IATA-packing instructions - Cargo: 203  
IATA-max. quantity - Cargo: 150 kg

### 14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: no

### 14.6. Special precautions for user

Warning: Flammable gases.

### 14.7. Transport in bulk according to Annex

Code not applicable

## SECTION 15: Regulatory information

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

#### EU regulatory information

2010/75/EU (VOC): 100 % (560 g/l)  
2004/42/EC (VOC): 100 % (560 g/l)  
Information according to 2012/18/EU (P3a FLAMMABLE AEROSOLS (SEVESO III)):

#### Additional information

To follow: 850/2004/EC, 79/117/EEC, 689/2008/EC, 2008/47/EC

#### National regulatory information

Employment restrictions: Observe restrictions to employment for juvenils according to the 'juvenils work protection guideline' (94/33/EC).  
Water contaminating class (D): - - not water contaminating

### 15.2. Chemical safety assessment

Chemical safety assessments for substances in this mixture were not carried out.

## SECTION 16: Other information

### Changes

This data sheet contains changes from the previous version in section(s): 15,16.

### 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 Harmonized System of Classification and Labelling of Chemicals  
EINECS: European Inventory of Existing Commercial Chemical Substances

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seit 125 Jahren

## AL159.400 Druckluft 400ml

Revision date: 22.10.2018

Page 10 of 10

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service

LC50: Lethal concentration, 50%

LD50: Lethal dose, 50%

For abbreviations and acronyms, see table at <http://abbrev.esdscom.eu>

### Classification for mixtures and used evaluation method according to Regulation (EC) No. 1272/2008 [CLP]

Classification	Classification procedure
Aerosol 1; H222-H229	On basis of test data

### Relevant H and EUH statements (number and full text)

H220	Extremely flammable gas.
H222	Extremely flammable aerosol.
H229	Pressurised container: May burst if heated.
H280	Contains gas under pressure; may explode if heated.

### Further Information

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

*(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)*