BOSSAUTO INNOVA, S.A.
Pol. Ind. Valldoriolf C/ Thomas Edison 16,
08430 La Roca del Vallés. Barcelona
t: +34 938 604 923 / f: +34 938 712 336
info@bossauto.com / **www.bossauto.com**

SAFETY DATA SHEET

1. IDENTIFICATION OF THE SUBSTANCE

NAME OF THE PRODUCT Air conditioner freshening spray 150 ml
CODE 110117

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. Pressurized container: May burst if heated.

GHS07
STOT SE 3 H336 May cause drowsiness or dizziness

2.2. Label elements

Labelling according to Regulation (EC) No 1272/2008

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

Hazard pictograms

GHS02 **GHS07**

Signal word: Danger

Hazard statements

H222-H229 Extremely flammable aerosol. Pressurised container: May burst if heated.
H336 May cause drowsiness or dizziness.

Precautionary statements

P101 If medical advice is needed, have product container or label at hand.
P102 Keep out of reach of children.
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.
P260 Do not breathe spray.
P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.
P501 Dispose of contents / container in accordance with regional regulations

2.3. Other hazards
Results of PBT and vPvB assessment
PBT: Not applicable.
vPvB: Not applicable.

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.2. Mixture
Description:
Description: Mixture of substances listed below with non-hazardous additions.

CAS: 115-10-6 EINECS: 204-065-8 Index number: 603-019-00-8 Reg.nr.: 01-2119472128-37	dimethyl ether Flam. Gas 1, H220 Press. Gas (Comp.), H280	50-<75%
CAS: 107-98-2 EINECS: 203-539-1 Index number: 603-064-00-3 Reg.nr.: 01-2119457435-35	1-methoxy-2-propanol Flam. Liq. 3, H226 STOT SE 3, H336	25-<50%

4. FIRST AID MEASURES

4.1. Description of first aid measures
After inhalation
Supply fresh air; consult doctor in case of complaints.
After skin contact
Generally, the product does not irritate the skin.
After eye contact
Rinse opened eye for several minutes under running water.
After swallowing
Drink plenty of water and provide fresh air. Call for a doctor immediately.

4.2. Most important symptoms and effects, both acute and delayed
No further relevant information available.

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

5. FIREFIGHTING MEASURES

5.1. Extinguishing media

Suitable extinguishing agents:
Use fire extinguishing methods suitable to surrounding conditions.

5.2. Special hazards caused by the substance, its products of combustion or resulting gases
During heating or in case of fire poisonous gases are produced.

5.3. Advice for firefighters
Special protective equipment:
Mouth respiratory protective device.

6. ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures
Mount respiratory protective device.
Wear protective equipment. Keep unprotected persons away.

6.2. Environmental precautions
Do not allow to enter sewers/ surface or ground water.

6.3. Methods and material for containment and cleaning up
Dispose contaminated material as waste according to item 13.
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 disposal information.

7. HANDLING AND STORAGE

7.1. Precautions for safe handling
Ensure good ventilation/exhaustion at the workplace.
Information about fire and explosion prevention
Do not spray onto a naked flame or any incandescent material.
Keep ignition sources away - Do not smoke.
Keep respiratory protective device available.

7.2. Conditions for a safety storage, including incompatibilities
Storage
Requirements to be met by storerooms and receptacles:
Observe official regulations on storing packaging with pressurised containers.
Information about storage in one common storage facility
Not required.
Further information about storage conditions
Keep container tightly sealed.

7.3. Specific end uses
No further relevant information available.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Additional information about design of technical facilities:
No further data; see item 7.

8.1. Control parameters
Ingredients with limit values that require monitoring at the workplace:

115-10-6 dimethyl ether	
WEL	Short-term value: 958 mg/m³, 500 ppm Long-term value: 766 mg/m³, 400 ppm
107-98-2 1-methoxy-2-propanol	
WEL	Short-term value: 560 mg/m³, 150 ppm Long-term value: 375 mg/m³, 100 ppm Sk

Additional information:
The lists valid during the making were used as basis

8.2. Exposure control

Personal protective equipment

General protective and hygienic measures
Wash hands before breaks and at the end of work.
Do not inhale gases / fumes / aerosols.

Respiratory protection:
In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure
use self-contained respiratory protective device

Eye protection:
Not required.

Protection of hands:
The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
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 cannot 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.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Appearance	
Form	Aerosol
Colour	Colourless
Odour	Alcohol-like
Odour threshold	Not determined
pH value	Not determined
Change in condition	
Melting point/melting range	Undetermined
Initial oiling point/boiling range	Not applicable, as aerosol
Flash point	Not applicable, as aerosol.
Flammability (solid, gas)	Not applicable
Ignition temperature:	240 ºC
Decomposition temperature	Not determined.
Explosive properties	Not determined
Explosion limits	
Lower explosive limit	1.9 Vol %
Upper explosive limit	26.2 Vol %
Vapour pressure at 20ºC	4000 hPa (3000.2 mm Hg)
Density at 20ºC	0.7 g/cm³ (5.8 lbs/gal)
Relative density	Not determined
Vapour density	Not determined
Evaporation rate	Not applicable
Solubility/miscibility in water at 20ºC	Not miscible or difficult to mix.
Partition coefficient (n-octanol/water)	Not determined
Viscosity	
Dynamic	Not determined
Kinematic	Not determined
Solvent content	
Organic solvents	99.6 %
VOC (EC)	726.0 g/l
VOC-EU%	99.60 %
Solids content:	0,1 %

10. STABILITY AND REACTIVITY

10.1. Reactivity
No further relevant information available.

10.2. Chemical stability
Thermal decomposition/ conditions to be avoided:
No decomposition if used according to specifications.

10.3. Possibility of dangerous reactions
No dangerous reactions are known.

10.4. Conditions to avoid
No further relevant information available.

10.5. Incompatible materials
No further relevant information available.

10.6. Dangerous decomposition products
No dangerous decomposition products are known.

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
Causes serious eye irritation.
Respiratory or skin sensitisation
Based on available data, the classification criteria are not met.

CMR effects (carcinogenetic, mutagenicity and toxicity for reproduction)
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
May cause drowsiness or dizziness.
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.

12. ECOLOGICAL INFORMATION

12.1. Toxicity
Aquatic toxicity

115-10-6 dimethyl ether

EC50 / 96 h	155 mg/l (algae)
LC50 / 48 h	>4000 mg/l (daphnia magna)
LC50 / 96 h	>4000 mg/l (fish)

12.2. Persistence and degradability
No further relevant information available.

12.3. Bioaccumulation potential
No further relevant information available.

12.4. Mobility in soil
No further relevant information available.

Additional environmental directions
General directions:
Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

12.5. Results of PBT and vPvB assessment
PBT: Not applicable.
vPvB: Not applicable.

12.6. Other adverse effects
No further relevant information available.

13. DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods
Recommendation:
Must not be disposed together with household garbage. Do not allow product to reach sewage system.
European waste catalogue

20 01 13*	Solvents
15 01 04	Metallic packaging

13.2. Uncleansed packages
Recommendation:
Disposal must be made according to official regulations.
Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C.
Do not pierce or burn, even after use.
Do not spray on a naked flame or any incandescent material.

14. TRANSPORT INFORMATION

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

14.2 UN proper shipping name **ADR** **IMDG** **IATA**	 UN1950 AEROSOLS AEROSOLS, AEROSOLS, flammable
14.3 Transport hazard class(es) **ADR**  **Class** **Label**	 2 5F Gases. 2.1
IMDG  **Class** **Label**	 2.1 2.1
IATA  **Class** **Label**	 2.1 2.1
14.4 Packing group **ADR, IMDG, IATA**	 Not regulated.
14.5 Environmental hazards	Not applicable.
14.6 Special precautions for user	Warning: Gases.
Danger code (Kemler)	-
EMS Number	F-D, S-U
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 **Limited quantities (LQ)** **Excepted quantities (EQ)** **· Transport category** **· Tunnel restriction code**	 1L Code: E0 Not permitted as Excepted Quantity 2 D
IMDG **· Limited quantities (LQ)** **· Excepted quantities (EQ**	 1L Code: E0 Not permitted as Excepted Quantity
UN "Model Regulation":	UN 1950 AEROSOLS, 2.1

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 (CE) nº1907/2006 ANNEX XVII :

Conditions of restriction:

3.

National regulations

Substances of very high concern (SVHC) according to REACH, Article 57

None of the ingredients is listed.

15.2. Chemical safety assessment

A chemical safety assessment has not been carried out.

16. OTHER INFORMATION

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

16.1 Relevant phrases

H220 Extremely flammable gas.
H226 Flammable liquid and vapour.
H280 Contains gas under pressure; may explode if heated.
H336 May cause drowsiness or dizziness.

16.2 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)
VOC: Volatile Organic Compounds (USA, EU)
PBT: Persistent, Bioaccumulative and Toxic
SVHC: Substances of Very High Concern
vPvB: very Persistent and very Bioaccumulative
Flam. Gas 1: Flammable gases – Category 1
Aerosol 1: Aerosols – Category 1
Press. Gas (Comp.): Gases under pressure – Compressed gas
Flam. Liq. 3: Flammable liquids – Category 3
STOT SE 3: Specific target organ toxicity (single exposure) – Category 3