

Material Safety Data Sheet

According to 1907/2006/EC REACH and 1272/2008/EC

AirConditioner Cleaner

1. Identification of the Product and Company

Trade name: ASTRAL BIOMIST BOMB HIM- ASTBOMBHIM100
Manufacturer: ASTRAL CSL LTD
Address: Pilkington Industrial Estate, Rake Lane, Swinton, M27 8LP
Phone: 0161 6430260
Fax: 0870 199 2072
Web: www.astralcsl.com

2. Hazards Identification

2.1. Classification

1999/45/EC:  F+ Extremely flammable.
R sentences: 12

1272/2008/EC:  Flam. Aerosol 1, H222

2.2. Labelling

1272/2008/EC:

GHS/CLP:  Extremely flammable

H sentences: H222 Extremely flammable aerosol.

P sentences: P102 Keep out reach of children.
P251 Pressurized container: Do not pierce or burn, even after use.
P210 Keep away from heat/sparks/open flames/hot surfaces. — No smoking.
P211 Do not spray on an open flame or other ignition source.
P410+P412 Protect from sunlight. Do no expose to temperatures exceeding 50 °C/122 °F.
P250 Do not subject to grinding/shocking/friction.
P101 If medical advice is needed, have product container or label at hand.

Pressurized container. Protect from sunlight. Do no expose to temperatures exceeding 50 °C. Do not pierce or burn, even after use. Do not spray on an open flame or other ignition source.

2.3 Other hazards

Other hazards which do not result in classification: Not applicable

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3. COMPOSITION/INFORMATION ON INGREDIENTS

3.2. Mixtures

Chemical description: Mixture made of the following chemicals

Dangerous components:

<100% Denaturated alcohol	CAS-no: 64-17-5
	EINECS-no: 200-578-6
	Index-no: 603-002-00-5

Other ingredients: Lemon fragrance

4. FIRST AID MEASURES

4.1. Description of first aid measures

General information: Move the exposed person to fresh air at once. Get medical attention if any discomfort continues

Inhalation: Move the exposed person to fresh air at once. When breathing is difficult, properly trained personnel may assist affected person by administering oxygen. Keep the affected person warm and at rest. Get prompt medical attention.

Skin contact: Wash the skin immediately with soap and water. Get medical attention if any discomfort continues.

Eye contact: Make sure to remove any contact lenses from the eyes before rinsing. Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues.

Ingestion: DO NOT INDUCE VOMITING! Rinse mouth thoroughly with water and give large amounts of milk or water to people not unconscious. Get medical attention if any discomfort continues.

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

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

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5. FIREFIGHTING MEASURES

5.1. Extinguishing media

Oltóanyagok

(Suitable): Powder. Dry chemicals, sand, dolomite etc. Water spray, fog or mist.

(Not suitable): Water jet.

5.2. Special hazards arising from the substance or mixture

Veszélyes égés termékek: Vapors may cause a flash fire or ignite explosively. Vapors may travel considerable distance to a source of ignition and flash back. Prevent buildup of vapors or gases to explosive concentrations.

5.3. Advice for firefighters

Special fire fighting

procedures:

Special protective equipment for fire-fighters: Warn firefighters that aerosols are involved. Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

6. ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Eliminate sources of ignition.

Avoid sparks, flames, heat and smoking. Use only with adequate ventilation.

Avoid contact with eyes, skin, and clothing.

Avoid breathing mists or vapors.

Wear appropriate personal protective equipment.

6.2. Environmental precautions

Avoid release to the environment.

6.3. Methods and material for containment and cleaning up:

Eliminate sources of ignition. Absorb spill with vermiculite or other inert material, then place in a container for chemical waste. Large Spillages: Flush spill area with water spray. Prevent runoff from entering drains, sewers, or streams. Dike for later disposal.

7. HANDLING AND STORAGE

7.1. Precautions for safe handling

Kezelés: Avoid breathing mists or vapors. Avoid contact with eyes, skin, and clothing. Do not taste or swallow. Use only with adequate ventilation. Wash thoroughly after handling. Pressurized container. Protect from sunlight. Do not expose to temperatures exceeding 50 °C. Do not pierce or burn, even after use. Do not spray on an open flame or other ignition source.

7.2. Conditions for safe storage, including any incompatibilities

Storage: Extremely flammable. Keep away from heat, sparks and open flame. Store at moderate temperatures in dry, well ventilated area. Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use.

7.3. 7.3 Specific end use(s):

Adhesion promoter

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8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Occupational exposure limits:

Etil-alcohol: **ÁK-Limit value: 1900 mg/m³, CK- Limit value: 7600 mg/m³**

Butane: **ÁK- Limit value: 2350 mg/m³; CK- Limit value: 9400 mg/m³**

8.2. Exposure controls

Engineering Provide adequate ventilation.

Measures:

Respiratory protection: In case of inadequate ventilation use suitable respirator

Hand

protection: Under normal conditions of use specific gloves are not required. Wear special gloves in case of frequent or prolonged use and in case of large scale exposure.

Eye

protection: Wear appropriate safety glasses when there is danger of possible eye contact.

Body

protection: Use of specific protective industrial clothing is not required under normal conditions of use. In case of large scale exposure wear suitable protective clothing, overalls or suit, and similar boots.

General

safety and hygiene Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated

measures: clothing before reusing.

9. Physical & chemical properties

9.1. Information on basic physical and chemical properties

Physical state: Liquid (aerosol).

Colour: Colourless..

Odour: Perfumed.

The following information refer to denatured alcohol:

Density: 0,79 - 0,82 g/cm³ (20°C)

Solubility in Water: Soluble.

Flash Point: 12-26°C

Boiling Point: 78-80°C

Auto ignition 425°C

temperature:

pH-value: Not determined for the mixture.

9.2. Other information

None known.

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10. STABILITY AND REACTIVITY

10.1. Reactivity

None known.

10.2. Chemical stability

Stable.

10.3. Possibility of hazardous reactions

None known.

10.4. Conditions to avoid:

Avoid heat, flames and other sources of ignition. Avoid exposing aerosol containers to high temperatures or direct sunlight

10.5. Incompatible materials

Strong oxidizing agents.

10.6. Hazardous decomposition products

In case of fire, toxic gases (CO, CO₂, NO_x) may be formed.

11. TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Inhalation: In high concentrations, vapours and aerosol mists have a narcotic effect and may cause headache, fatigue, dizziness and nausea. Unconsciousness, possibly death.

Skin contact: Skin irritation is not anticipated when used normally. Repeated exposure may cause skin dryness or cracking.

Eye contact: Spray and vapour in the eyes may cause irritation and smarting.

Medical Symptoms: Arrhythmia, (deviation from normal heart beat). Narcotic effect. Vapours may cause drowsiness and dizziness.

12. Ecological information

12.1. Toxicity

Dangerous for the environment if discharged into watercourses.

12.2. Persistence and degradability

Not determined for the mixture.

12.3. Bioaccumulative potential

Not determined for the mixture.

12.4. Mobility in soil

Not applicable.

12.5. Results of PBT and vPvB assessment

Not applicable.

12.6. Other adverse effects

Dangerous for the environment if discharged into watercourses.

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13. DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Product residues: Recyclable metal container. Do not puncture or burn even after use. Do not dispose empty pack with regular household waste. Containers may be recycled. Treat product residues and non-empty pack as hazardous waste.

Additional warning: Residues may cause an explosion hazard. Do not puncture, cut or weld uncleaned drums.

Szennyezett csomagolással kapcsolatos javaslat: Ártalmatlanítani a helyi előírások figyelembe vételével szabad. [442/2012. (XII. 29.) Korm. rendelet a csomagolásról és a csomagolási hulladékkal kapcsolatos hulladékgazdálkodási tevékenységekről]

14. TRANSPORT INFORMATION

Transport	road/railway ADR/RID
14.1. UN- number	1950
14.2. UN proper shipping name	Aerosol, flammable
14.3. Transport hazard class(es)	
Class:	2
Classification code:	5F
Danger label:	2.1
14.4. Packing group	None known
14.5. Environmental hazards	None known
14.6. Special precautions for use	None known
14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBCCode	None known
14.8. Other relevant information	Shipping Papers are not required for Limited Quantities unless transported by air or vessel – each package must be marked with the Limited Quantity Mark). We do not recommend that our aerosol products be transported by air.

15. Regulatory information

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

Fragrance: 15-30%

**Additional labelling
Other information:** The packaging shall carry the text: Important: 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. Keep away from sources of ignition — No smoking. Keep out of the reach of children.

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16. OTHER INFORMATION

The information in this safety data sheet is compiled in compliance with Regulation (EC) 1907/2006 dated and 1272/2008 EC. It is the user's obligation to use this product safely and to comply with all applicable laws and regulations concerning the use of the product. This safety data sheet complements the technical information sheets but does not replace them and offers no warranty with regard to product properties.

Full text of R-phrases mentioned in section 3:

R 11 Highly flammable.

R 12 Extremely flammable.

Hazard Statements In Full:

H220 Extremely flammable aerosol.

H225 Highly flammable liquid and vapour.

F Flammable

F+ Extremely flammable

Flam. Liq. 2: Flammable liquids 2

Flam. Gas 1: Flammable gas 1

Press. Gas : Gas under pressure

Made according to 1907/2006/EK REACH and 1272/2008/EK to chemical product.

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