

**SAFETY DATA SHEET**  
**JANGRO AIR FRESHENER AEROSOL BG132-F - BERRY**

**Section 1. Identification of the substance/mixture and of the company/undertaking**

**1.1 Product Identifier**

Product Form: Mixture  
Product Name: Air Freshener Aerosol 750ml/500ml/270ml/100ml  
Product No: EFF302881

**1.2 Relevant identified uses of the substances of mixture and uses advised against**

**1.2.1 Relevant Identified uses**

Air Freshener for general public use

**1.2.2 Uses advised against**

No additional information available

**1.3 Details of the supplier of the safety data sheet**

**Company name:** Jangro Ltd  
**Company UK address:** Parklands 1A  
3<sup>rd</sup> Floor  
Lostock  
Bolton  
BL6 4SD

**Company Europe address:** 6-9 Trinity Street  
Dublin 2  
D02 EY47  
Ireland

**1.4 Emergency telephone number UK**

01204 795 955  
Mon – Fri 0900-1700  
enquiries@jangroq.net

**Telephone number EU** 01 617 7911

**Section 2. Hazards Identification**

**2.1 Classification of the substance or mixture**

Classification according to (EC) 1272/2008 [CLP]

Extremely Flammable Aerosol H222;H229

Serious eye damage/eye irritation Category 2 H319

The full text for all Hazard statements are displayed in Section 16.

Adverse physicochemical, human health and environmental effects

Pressurised container: May burst if heated. Extremely flammable aerosol

**2.2 Label elements**

Label in accordance with (EC) 1272/2008 [CLP]

Hazard pictograms (CLP)



GHS02



GHS07

**Signal Word (CLP):** Danger

**Hazard Statements (CLP):**

H222	Extremely Flammable Aerosol
H229	Pressurised container: May burst if heated
H319	Causes serious eye irritation

**Precautionary Statements (CLP):**

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
P501	Dispose of contents/container in accordance with Local Regulations

**Supplementary Precautionary Statements:**

P273	Avoid release into the environment
P305+351+338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P370+378	In case of fire: Use carbon dioxide, dry chemical, foam for extinction.
P410+412	Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.

**2.3 Other hazards:**

No additional information available

**Sections 3. Composition / information on ingredients****3.1 Substance**

Not applicable

**3.2 Mixtures**

Contains:

Name	CAS	EC	%	Classification for (CLP) 1272/2008
Petroleum Gases Liquified	68476-85-7	270-704-2	70-100%	Flam Gas 1-H220
Ethyl alcohol	64-17-5	200-578-6	<20%	Flam Liq 2-H225 Eye Irrit 2:H319 (SCL ≥50%)
Linalool	78-70-6	201-134-4	0.08%	Skin Irrit 2-H315; Eye Irrit 2-H319

The full text for Hazard and Precautionary statements are listed in Section 16.

## **Section 4. First aid measures**

### **4.1 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.

#### **Ingestion**

DO NOT induce vomiting. Get medical attention immediately

#### **Skin contact**

Wash the skin immediately with soap and water. Promptly remove clothing if soaked through and wash as above. Get medical attention if any discomfort continues.

#### **Eye Contact**

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

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

Symptoms/injuries:	Not expected to present a significant hazard under anticipated conditions of normal use
Symptoms/injuries after inhalation:	Not expected to present a significant inhalation hazard under anticipated conditions of normal use. May cause slight irritation.
Symptoms/injuries after skin contact:	Not expected to present a significant skin hazard under anticipated conditions of normal use. May cause slight irritation.
Symptoms/injuries after eye contact:	Causes eye irritation.
Symptoms/injuries after ingestion:	Not expected to present a significant ingestion hazard under anticipated conditions of normal use. May cause a light irritation of the linings of the mouth, throat, and gastrointestinal tract.

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

Treat symptomatically

## **Section 5: Firefighting measures**

### **5.1 Extinguishing media**

Suitable media: Carbon dioxide, Dry chemical, Foam.

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

Fire hazard:	Extremely flammable aerosol
Reactivity in case of fire:	Not known
Hazardous decomposition Products in case of fire:	Toxic fumes may be released

### **5.3 Advice for fire fighters:**

Precautionary measures fire:	Stop leak if safe to do so
Firefighting instructions:	Eliminate all ignition sources if safe to do so. Fight fire with normal Precautions from a reasonable distance
Protection during firefighting:	Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

## **Section 6. Accidental release measures**

### **6.1 Personal precautions, protective equipment and emergency procedures:**

General measures: Ensure adequate ventilation. Eliminate ignition sources. Avoid release into The environment.

#### **6.1.1 For non-emergency personnel**

Protective equipment: Not required for normal conditions of use

Emergency procedure: Ventilate spillage area. Eliminate all ignition sources if safe to do so. Avoid contact With skin and eyes

#### **6.1.2 for emergency responders**

Protective equipment: Do not attempt to take action without suitable protective equipment. For further Information refer to section 8: "Exposure controls/personal protection". Avoid Contact with skin and eyes.

Emergency procedure: Ventilate spillage area. Eliminate all ignition sources if safe to do so.

### **6.2 Environmental precautions:**

Avoid release into the environment.

### **6.3 Methods and material for containment and cleaning up:**

For containment: Not applicable

Methods for cleaning up: This material and its container must be disposed of in a safe way, as per local regulations and legislation.

Other information: This material and its container must be disposed of as hazardous waste. Dispose of in a safe way, as per local regulations and legislation.

### **6.4 Reference to other sections:**

Also refer to sections 8 and 13.

## **Section 7. Handling and storage**

### **7.1 Precautions for safe handling:**

Additional hazards when processed: Handle empty containers with care because residual vapours are flammable. In use, may form flammable vapour-air mixture. Pressurized container: Do not Pierce, or burn, even after use.

Precautions for safe handling: Keep away from heat, hot surfaces, sparks, open flames and other ignition Sources. No smoking. Do not spray on to an open flame or other ignition Source. Pressurized container: do not pierce or burn, even after use.

Hygiene measures: Do not eat, drink or smoke when using this product.

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

Technical measures: Ensure adequate ventilation

Storage conditions: Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F Store in a well ventilated place. Keep cool.

Incompatible products: Strong bases, strong acids. Oxidising agents.

Incompatible materials: Sources of ignition. Heat sources. Direct sunlight.

Storage area: Store in a well ventilated place. Keep away from open flames, hot surfaces, And sources of ignition.

Special rules on packaging: Keep only in original container.

### **7.3 Specific end use(s):**

Air care products. Use in accordance with good manufacturing and industrial hygiene practises.

**Section 8. Exposure controls/personal protection****8.1 Control Parameters**

No additional information available.

**8.2 Exposure controls**

Workplace exposure limits:

Ingredient	CAS	EC	STD	TWA – 8 Hrs	STEL- 15 Min	Reference
Petroleum Gases Liquefied	6847 6-85- 7	270- 704-2	WEL	1000 ppm 1750 mg.m <sup>3</sup>	1250ppm 2180 mg.m <sup>3</sup>	UK EH40 Dec 2011
Ethyl alcohol	64- 17-5	200- 578-6	WEL	1000 ppm 1290 mg.m <sup>3</sup>		UK EH40 Dec 2011

Derived No Effect Levels (DNEL):

**Petroleum Gases Liquified**

Not applicable

**Ethanol**

DNEL for workers

Inhalation DNEL (short term, local) 1900 mg/m<sup>3</sup> (irritation respiratory tract)

Inhalation DNEL (long term, systemic) 950 mg/m<sup>3</sup> (carcinogenicity)

Dermal DNEL (long term, systemic) 343 mg/kg bw/day (repeated dose toxicity)

DNEL for the general population

Inhalation DNEL (short term, local) 950 mg/m<sup>3</sup> (irritation respiratory tract)

Inhalation DNEL (long-term, systemic) 114 mg/m<sup>3</sup> (carcinogenicity)

Dermal DNEL (long-term, systemic) 206 mg/kg bw/day (repeated dose toxicity)

Oral DNEL (long-term, systemic) 87 mg/kg bw/day (repeated dose toxicity)

Predicted No Effect Concentration (PNEC):

**Petroleum Gases Liquified**

Exposure assessments have not been presented for the environment, therefore PNEC values not required

**Ethanol**

PNEC aqua (freshwater) 0,96 mg/L

PNEC aqua (marine water) 0,79 mg/L

PNEC aqua (intermittent releases): 2,75 mg/L

PNEC sediment (freshwater): 3,6 mg/kg sediment dw

PNEC sediment (marine water): 2,9 mg/kg sediment dw

PNEC soil 0,63 mg/kg soil dw

PNEC STP (Sewage Treatment Plant) 580 mg/L

PNEC oral (food chain) 0,72 g/kg food

**8.2 Exposure Controls**

Engineering Measures

Distribution, Workplace and Household Settings: Ensure adequate ventilation

Personal Protective Equipment

Eye Protection

Distribution, Workplace and Household Settings: No special protective equipment required

Hand Protection

Distribution, Workplace and Household Settings: No special protective equipment required

Skin and Body Protection

Distribution, Workplace and Household Settings: No special protective equipment required

Respiratory Protection

Distribution, Workplace and Household Settings: No special protective equipment required

## **Section 9. Physical and chemical properties**

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

(a) Physical State	Liquid
(b) Appearance	Canister/Aerosol.
(c) Colour	Amber
(d) Odour	Characteristic
(e) Odour Threshold	No data available
(f) Melting point/freezing point	No data available
(g) Initial boiling point and boiling range	Not applicable - aerosol
(h) Flammability (solid gas)	Not applicable for liquids
(i) Upper/lower flammability Or explosive limits	No data available
(j) Flash Point	Not applicable – aerosol
(k) Auto-ignition temperature	No data available
(l) Decomposition temperature	No data available
(m) pH as gaseous solution	No data available
(n) Kinematic Viscosity	No data available
(o) Dynamic Viscosity	No data available
(p) Water solubility	No data available
(q) Solubilities	No data available
(r) Partition coefficient	No data available
(s) Vapour pressure	No data available
(t) Relative density	No data available
(u) Relative Vapour Density	No data available
(v) Particle characteristics	
Particle Size	No data available
Particle size distribution	No data available

### **9.2 Other information**

Can pressure 70psi.

#### **9.2.1 Information with regards to physical hazards classes**

Not applicable

#### **9.2.2 Other safety characteristics**

No data available **Section 10. Stability and reactivity**

### **10.1 Reactivity:**

Presents no significant reactivity hazard, by itself or in contact with water.

### **10.2 Chemical stability**

Good stability under normal storage conditions.

### **10.3 Possibility of hazardous reactions:**

Not expected under normal conditions of use.

**10.4 Conditions to avoid:**

Avoid contact with hot surfaces/heat. No flames; no sparks. Eliminate all sources of ignition

**10.5 Incompatible materials:**

Avoid contact with strong acids, alkalis or oxidising agents.

**10.6 Hazardous decomposition products:**

Not expected

**Section 11. Toxicological information****11.1 Information on toxicological effects**

This mixture has not been tested as a whole for health effects. The health effects have been calculated in accordance with methods given in regulation (EC) No 1272/2008.

Based upon the hazardous properties of the component substances, and their concentrations, this product has been assessed according to the calculation method of CLP, and found not to be classified for toxicological effects.

**Acute Toxicity:** Not classified

**Ethyl Alcohol:**

LD50 Oral – Rat 10,470 mg/kg  
LC50 Inhalation – Rat 30,000 mg/l – 4 h  
LD50 DermaL – Rabbit 15,800 mg/kg

**Skin corrosion/Irritation** Not classified

**Serious eye damage/eye irritation** Not classified

**Respiratory or skin sensation** Not classified

**Germ cell mutagenicity** Not classified

**Carcinogenicity** Not classified

**Reproductive Toxicity** Not classified

**Specific Target Organ Toxicity** Not classified

**Aspiration hazard** Not classified

**Potential adverse human health**

**Effects and symptoms** Based on available data, the classification criteria are not met

**11.2 Information on other hazards****11.2.1 Endocrine disrupting properties**

No information available.

**11.2.2 Other Information**

Other adverse effects: No information available

**Section 12. Ecological information****12.1 Toxicity:**

Based upon the hazardous properties of the component substances, and their concentrations, this product has been assessed according to the calculation method of CLP, and found not to be classified for ecological effects.

**Ethyl alcohol**

Toxicity to fish LC50 – *Primephales promelas* (Fathead minnow) – 14,200 mg/l – 96 h

Toxicity to daphnia and other

Aquatic vertebrates LC50 – *Ceriodaphnia dubia* (Water flea) - 5,012 mg/l – 48 h

Toxicity to algae EC50 – *Chlorella vulgaris* (Fresh water algae) - 275 mg/l – 72 h  
(OECD Test Guidelines 201)

**Liquid petroleum gases**

Physical properties indicate that petroleum gases will rapidly volatilise from the aquatic environment and that acute and chronic effects would not be observed in practice.

**12.2 Persistence and degradability:**

Ethyl alcohol

Result: 95% - Readily biodegradable

Liquid petroleum gases

Expected to be readily biodegradable. Oxidises rapidly by photo-chemical reactions in air

**12.3 Bioaccumulative potential:**

Ethyl alcohol

Due to the distribution coefficient n-octanol/water, accumulation in organisms is not expected.

Liquid petroleum gases

Not expected to bioaccumulate significantly

**12.4 Mobility in soil:**

Ethyl alcohol

No data available

Liquid petroleum gases

Because of their extreme volatility, air is the only environmental compartment that hydrocarbon gases will be found.

**12.5 Results of PBT and vPvB assessment:**

This substance does not meet the PBT/vPvB criteria of REACH, annex XIII.

**12.6 Other adverse effects:**

No data available.

**Section 13. Disposal considerations****13.1 Waste treatment methods:**

Dispose of in accordance with local regulations. Avoid disposing into drainage systems and into the environment.

Empty containers should be taken to an approved waste handling site for recycling or disposal according to Local Authority Regulations

**Section 14. Transport information****14.1 UN Number**

UN No (ADR/RID/ADN) 1950

UN No (IMDG) 1950

UN NO (ICAO) 1950

**14.2 UN Proper Shipping Name**

ADR/IMDG/AND/RID AEROSOLS

IATA Aerosols Flammable

**14.3 Transport Hazard Class(es)**

ADR/RID/ADN Class 2.1

ADR/RID/ADN Class Class 2: Gases

ADR Label No 2.1 &amp; 6.1

IATA 2.1

IMDG Class 2.1

ICAO Class/Division 2.1

ICAO Subsidiary Risk 6.1

ICAO TEC\* No 20GSF

Air Class 2.1

UK Road Class 2.1

Transport Labels L.Q.





#### **14.4 Packing Group**

Not Applicable

#### **14.5 Environmental Hazards**

Dangerous for the environment	No
Marine pollutant	No
Other information	No supplementary information available

#### **14.6 Special Precautions for user**

##### Overland Transport

Classification Code (ADR):	5F
Special Provisions (ADR):	190,327,344,625
Limited Quantities (ADR):	1I
Excepted Quantities (ADR):	E0
Packing Instructions (ADR):	P207,LP02
Special Packing provisions (ADR):	PP87, RR6, L2
Mixed Packing provisions (ADR):	MP9
Transport Strategy (ADR):	2
Special provisions for carriage – Packages (ADT)	V14
Special Provisions for carriage – Loading, unloading and handling (ADR):	CV9, CV12
Special provisions for carriage – Operation (ADR):	S2
Tunnel Restriction Code:	D

##### Transport by Sea

Special Provisions (IMDG):	63,190,277,327,344,959
Limited Quantities (IMDG):	SP277
Excepted Quantities (IMDG):	E0
Packing Instructions (IMDG):	P207,LP02
Special Packing provisions (IMDG):	PP87,L2
EmS-No (Fire):	F-D
EmS-No (Spillage):	S-U
Stowage category (IMDG):	None
Stowage and Handling (IMDG):	SW1,SW22
Segregation (IMDG):	SG69
MFAG-No:	126

##### Air Transport

PCA Excepted Quantities (IATA):	E0
PCA Limited Quantities (IATA):	Y203
PCA Limited Quantity max net quantity (IATA):	30KgG
PCA Packing instructions (IATA):	203
PCA max net quantity (IATA):	75Kg
CAO packing instructions (IATA):	203
CAO max net quantity (IATA):	150Kg
Special provisions (IATA):	A145,A167,A802
ERG Code (IATA):	10L

##### Inland Waterway Transport

Classification Code (ADN):	5F
Special Provisions (ADN):	190,327,344,625
Limited Quantities (ADN):	1 L
Excepted Quantities (ADN):	E0

Jangro Ltd  
Equipment required (ADN):  
Ventilation (ADN):  
Number of blue cones/lights (ADN):

REV 5.0  
PP,EX,A  
VE01,VE04  
1  
  
5F  
190,327,344,625  
1L  
E0  
P207,LP02  
PP87,RR6,L2  
MP9  
2  
W14  
  
CW9, CW12  
CE2  
23

NOVEMBER 2023

#### Rail Transport

Classification Code (RID):  
Special Provisions (RID):  
Limited Quantities (RID):  
Excepted Quantities (RID):  
Packing Instructions (RID):  
Special Packing provisions (RID):  
Mixed Packing provisions (RID):  
Transport Category (RID):  
Special Provisions for carriage – Packages (RID):  
Special Provisions for carriage – Loading, unloading and handling (RID):  
Colis Express (express parcels) (RID):  
Hazard Identification No (RID):

#### **14.7 Transport in bulk according to Annex II of MARPOL and the IBC code**

Not applicable

### **Section 15. Regulatory information**

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

Labelling according to Regulation (EC) No 1272/2008

The chemicals (Hazard information and packaging for supply) regulations 2009 (S.I 2009 No. 716). Control of substances hazardous to health.

Approved code of practice.

Guidance notes

Workplace exposure limits EH40.

##### 15.1.1 EU-Regulations

Contains no REACH substances with Annex XVII restrictions.

Contains no REACH Annex XIV substances.

##### 15.1.2 National Regulations

No additional information available.

#### **15.2 Chemicals safety assessment**

A chemical safety assessment has not been carried out for this product.

### **Section 16. Other information**

#### **General Information:**

This product should be used as directed. For further information consult the product data sheet or contact Technical Services.

#### **Information sources:**

This Safety Data Sheet was compiled using current safety information supplied by the distributor of raw materials.

#### **Classification under regulation (EC) No 1272/2008**

#### **Hazard statements in full**

H220

Extremely flammable gas.

H222	Extremely flammable aerosol
H225	Highly flammable liquid and vapour
H229	Pressurised container. May burst if heated
H315	Causes skin irritation
H319	Causes serious eye irritation

**Abbreviations**

Flam Gas 1	Flammable Gas Category 1
Flam Liq 2	Flammable Liquid Category 2
Carc 2	Carcinogen Category 2
Skin Irrit 2	Skin Irritant category 2
Eye Irrit 2	Eye irritant category 2
LD50	Lethal Dose 50%
LC50	Lethal Concentration 50%
OECD	Organisation for Economic and Co-operative Development
PBT	Persistent Bioaccumulative Toxicity
vPvB	Very Persistent Very Bioaccumulative
IMDG	International Maritime Transport of Dangerous Goods
ICAO	International Civil Aviation Organisation

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**DISCLAIMER**

The Information provided herein, especially recommendations for the usage and the application of this products, is provided in good faith, and no liability on the part of Jangro Ltd is stated or implied. No employee of Jangro Ltd has the authority to waive or alter in any way the content of this document.

Due to different materials used, as well as to varying working conditions, production techniques, and the requirements of the end users, all of which are beyond our control, we strongly recommend that thorough and extensive trials are carried out in order to test the suitability of our products with regard to the required processes and applications. This should also include an ageing test which should be applied to all substrates used.

It is also the responsibility of the purchaser and end user of this product to ensure that all appropriate actions necessary for the protection of the environment, and for the health and safety of their employees are observed.

This datasheet replaces all former versions