

MATERIAL SAFETY DATA SHEET

1. IDENTIFICATION OF THE PRODUCT AND OF THE COMPANY

Product name : **AIROMA AEROSOL SPRAYS**

Supplier : Vectair Systems Ltd
Address : Bilton Road, Kingsland Business Park, Basingstoke, Hampshire RG24 8LJ
Telephone : +44-1256-319500
Fax : +44-1256-319510
Email : info@vectair.co.uk



EMERGENCY TELEPHONE NUMBER, for DOCTORS/FIRE BRIGADE/POLICE only:
Vectair Systems Limited: +44-1256-319500

1.2 Trading Name

100ml: **Ruby** (BAEROLC-13), 100ml: **Jade** (BAEROLC-12), 100ml: **Opal** (BAEROLC-11), 100ml **Pearl** (BAEROLC-10)

2. HAZARD INFORMATION

Safety: EXTREMELY FLAMMABLE
R12

Human: If ingested may cause some irritation to the mouth and upper digestive tract. May irritate the eye. Spraying directly into the eye may cause freeze damage. May cause slight skin irritation.
Unlikely to cause damage to internal organs following skin contact.
Inhalation of aerosol propellants can cause cardiac arrest. Do not use to excess in confined spaces. Prolonged inhalation of high concentrations of the aerosol and derived vapours may induce narcosis and death. Inhalation of the aerosol may induce irritation of the nose and throat.

Ecological: Inherently biodegradable so unlikely to accumulate in the aquatic environment.
Not classified as dangerous to the environment.

3. COMPOSITION / INFORMATION ON CONSTITUENTS

Substances Present	CAS No	EINECS No	R No	Concentration
Alcohol	64-17-5	200-578-6	R11	15-30%
Butane & Isobutane & Propane	105-97-8 & 75-28-5 & 74-98-6	203-448-7 & 200-857-2 & 200-827-9	R12	over 30%

4. FIRST AID MEASURES

Ingestion: In cases of ingestion, wash out mouth with water but do not give anything to swallow. Do not induce vomiting. Obtain medical attention urgently.
Medical advice. This product may be aspirated on swallowing or following regurgitation of stomach contents as a result of vomiting. Aspiration is likely to cause severe chemical pneumonitis which may require urgent treatment. Induction of vomiting should be avoided and gastric lavage should only be undertaken by endotracheal intubation.

Skin: In cases of skin contact, wash the skin with soap and water.

Eye: In cases of eye contact, wash out the eye thoroughly with plenty of clean water.

Inhalation: In cases of inhalation, remove from exposure. Keep warm and at rest.

Special Measures: No Special Measures Identified

MATERIAL SAFETY DATA SHEET

5. FIRE FIGHTING METHODS

Fumes containing carbon dioxide, carbon monoxide and oxides of phosphorus may be formed in large fires. In case of fire, use powder, foam, sand, water spray. Avoid using large quantities of water. In case of fire, cool the stored aerosol cans with water spray. In case of fire, self contained breathing apparatus must be worn.

6. ACCIDENTAL RELEASE MEASURES

Contain and collect spillage. Absorb onto sand or other inert material. Failure to contain a release must be notified to both the local authority. Wear impervious gloves/overalls, eye protection and a vapour absorbing face mask while clearing up the spillage. May make floor very slippery. Do not wash into the drains. Place in plastics barrel for disposal. Do not mix with other waste materials. Dispose of in accordance with local authority regulations. Seek advice from the local waste authority.

See also Selections 8 & 13

7. HANDLING & STORAGE

7.1 – Handling

Use in a well ventilated area.

7.2 – Storage

Do not store close to strong oxidising agents which could aggravate any fire situation.
Do not store product in direct sunlight.
Store the aerosol cans at between 5 and 50 degrees Centigrade out of direct sunlight.

7.3 Specific Uses

Aerosol Air freshener
General

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 – Exposure Limit Values

Ethanol	8hr TWA 1920 mg/m ³ EH40/99
Propanol-2-ol	OES 8 h. TWA 999 mg/m ³ , 10 min. STEL 1250 mg/m ³ , sk. EH40/99 (UK), MAK 8h. TWA 980 mg/m ³ (Germany)
1,2-Propanediol	8 hr TWA vapour and particulates, 470 mg/m ³
Butane & Isobutane & propane	8 hr TWA butane 600ppm 1450 mg/m ³

8.2 – Exposure Controls

Avoid contact with eyes, skin, do not inhale the spray.
Working procedures should be designed to minimise worker exposure to this product. Where this is not possible, the following personal protective equipment should be provided.

Respiratory protection: Adequate particulate absorbing face mask, respiratory protection recommended.

MATERIAL SAFETY DATA SHEET

Hand protection: Impervious gloves recommended.
Eye protection: Chemical safety goggles recommended.
Skin protection: Protective overalls and shoes/boots recommended.

All personal protective equipment must comply with the appropriate EEC (CE) standards and should be maintained and stored to ensure continued suitability for use. Workers should be trained in the effective use and maintenance of the personal protective equipment provided.

9. GENERAL INFORMATION

9.1 – General Information

Appearance: Aerosol Gas
Odour: Fragranced product

9.2 – Important Health, Safety & Environment Information

pH:	unknown	Relative Density:	0,57 – 0,69 g/ml
Boiling Point:	unknown	Water Solubility:	unknown
Flash Point:	unknown	Fat Solubility:	unknown
Flammability:	unknown	Partition Coefficient:	unknown
Explosive Properties:	unknown	Viscosity:	unknown
Oxidising Properties:	unknown	Vapour Density:	unknown
Vapour Pressure:	unknown	Evaporation Rate:	unknown

9.3 – Other Information

Gass group: Class 2

10. STABILITY & REACTIVITY

10.1 – Conditions to Avoid

May react with strong oxidants.

10.2 – Materials to Avoid

None Identified.

10.3 – Hazardous Decomposition Products

None Identified.

11. TOXICOLOGICAL INFORMATION

LD50 (oral rat) > 2000 mg/kg

Not classified as “Harmful if swallowed”. May cause some irritation of the mouth and upper digestive tract.

Will cause severe chemical pneumonitis into the lungs.

Prolonged contact may cause slight skin irritation.

Contains low concentrations of one or more allergens. People who are already sensitive to these materials may react adversely to this product.

May cause eye irritation.

Inhalation of the aerosol/spray may cause irritation of the nose and upper respiratory tract.

Prolonged inhalation of high concentrations of the aerosol and derived vapours may induce narcosis and death. Inhalation may induce irritation of the nose and throat.

MATERIAL SAFETY DATA SHEET

12. ECOLOGICAL INFORMATION

12.1 – Ecotoxicity

Do not release into surface waters.

12.2 – Mobility

Predicted Environment Distribution (%)

Substances Present	Surface Tension	Air	Aerosol	Soil	Water	Fish (Biota)	Sediment
Alcohol		3.37643663	6.0782E-08	.040938543	96.5816843	2.3113E-06	.000909745
Butane & Isobutane & Propane		99.9609032	5.823E-08	.013900561	.024876811	7.8481E-07	.000308901

12.3 – Persistence & Degradability

This product is inherently biodegradable.

12.4 – Bioaccumulative Potential

Substances Present	K _{ow}
Alcohol	.478630092
Butane & Isobutane & Propane	630.957344

12.5 – Other Adverse Effects

See also Selections 6,7,13, 14 & 15

13. DISPOSAL CONSIDERATIONS

When disposing of waste or surplus material avoid contact with the eye and skin. Wear impervious gloves/overalls and chemical safety goggles.

Do not wash into the drains
Do not mix with other waste materials
Seek advice from the local waste authority.

14. TRANSPORT INFORMATION

This product is classified as Dangerous for Transport and should be labelled:

Transport Classification:	UN 1950
Shipping name:	Aerosol
ADR/RID Class:	2.1
Classification code:	5F
GEVI – Number:	Not Applicable
Packaging group:	Not Applicable

MATERIAL SAFETY DATA SHEET

15. REGULATORY INFORMATION

15.1 Labelling According to EC-Guidelines

Symbol Of Danger



R12 Extremely flammable

S 2 Keep out of the reach of children

S16 Keep away from sources of ignition – No smoking

S46 If swallowed, seek medical advice immediately and show this container or label

Solvent abuse can kill instantly.

Pressurised container: protect from sunlight and do not expose to temperatures exceeding 50 degree Centigrade. Do not pierce or burn the can, even after use.

Do not spray on naked flames or incandescent material.

Do not spray into the eyes or onto the skin and avoid inhalation of the vapour or spray.

Use only as directed.

16. OTHER INFORMATION

This safety data sheet takes into account the enactment of Council Directive 67/548, and its amendments/adaptations.

The information on this Material Safety Data Sheet, while believed to be reliable, is intended for use by skilled persons at their own risk. Vectair Systems Limited assumes no responsibility for events resulting or damages incurred from its use. The information on this Material Safety Data Sheet relates only to the specific material designated herein and does not relate to use in combination with any other material or in any process.

The information is accurate to the best of our knowledge and is based on information which we consider is reliable. It is furnished without warranty.