SAFETY DATA SHEET

BG040 MAGNOLIA AND VANILLA AIR FRESHENER

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

1.1. Product identifier

Product name BG040 MAGNOLIA AND VANILLA AIR FRESHENER

Product number A5877

Internal identification A5877

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

Identified uses Air freshener

1.3. Details of the supplier of the safety data sheet

Supplier

JANGRO LTD
JANGRO HOUSE
WORSLEY ROAD
FARNWORTH
BOLTON
BL4 9LU
0845 458 5223
enquiries@jangrohq.net

1.4. Emergency telephone number

Emergency telephone +44 (0) 777 8505 330

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification

Physical hazards

Aerosol 1 - H222, H229 Aerosol 1 - H222, H229

Health hazards

Not Classified

Environmental hazards

Not Classified

Classification (67/548/EEC or 1999/45/EC)

F+;R12.

2.2. Label elements

Pictogram

Signal word Danger

Hazard statements

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

Precautionary statements

BG040 MAGNOLIA AND VANILLA AIR FRESHENER

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 vapour/spray.
P271 Use only outdoors or in a well-ventilated area.
P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.
P501 Dispose of contents/container in accordance with local regulations.

Contains HYDROCARBON PROPELLANT

2.3. Other hazards

This product does not contain any substances classified as PBT or vPvB.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

HYDROCARBON PROPELLANT **30-60%**

CAS number: 68476-85-7 **EC number:** 270-704-2

Classification	Classification (67/548/EEC or 1999/45/EC)
Flam. Gas 1 - H220 Press. Gas, Liquefied - H280	F+;R12.

Ethyl alcohol **1-5%**

CAS number: 64-17-5 **EC number:** 200-578-6 **REACH registration number:** 01-2119457610-43-xxxx

Classification	Classification (67/548/EEC or 1999/45/EC)
Flam. Liq. 2 - H225 Eye Irrit. 2 - H319	F;R11

BENZYL BENZOATE **<1%**

CAS number: 120-51-4 **EC number:** 204-402-9
M factor (Acute) = 1

Classification	Classification (67/548/EEC or 1999/45/EC)
Acute Tox. 4 - H302 Aquatic Acute 1 - H400 Aquatic Chronic 2 - H411	Xn;R22 N;R51/53

SODIUM NITRITE **<1%**

CAS number: 7632-00-0 **EC number:** 231-555-9 **REACH registration number:** 01-2119471836-27-xxxx
M factor (Acute) = 1

Classification	Classification (67/548/EEC or 1999/45/EC)
Ox. Sol. 3 - H272 Acute Tox. 3 - H301 Eye Irrit. 2 - H319 Aquatic Acute 1 - H400	O;R8 T;R25 N;R50

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation

Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing.

Ingestion

Rinse mouth thoroughly with water. Do not induce vomiting. Get medical attention if any discomfort continues.

Skin contact

Wash skin thoroughly with soap and water.

Eye contact

Rinse immediately with plenty of water. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues.

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

Inhalation

Vapours may cause drowsiness and dizziness.

Ingestion

May cause discomfort if swallowed.

Skin contact

Prolonged contact may cause dryness of the skin.

Eye contact

May cause discomfort.

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

Notes for the doctor

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Extinguish with foam, carbon dioxide or dry powder.

5.2. Special hazards arising from the substance or mixture

Specific hazards

Extremely flammable aerosol. Pressurised container: may burst if heated

Hazardous combustion products

Thermal decomposition or combustion products may include the following substances: Carbon monoxide (CO). Carbon dioxide (CO_2).

5.3. Advice for firefighters

Protective actions during firefighting

Use water to keep fire exposed containers cool and disperse vapours.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions

Avoid inhalation of vapours and contact with skin and eyes. Provide adequate ventilation. Wear protective clothing and gloves. If aerosol cans are ruptured, care should be taken due to the rapid escape of the pressurised contents and propellant. Wash thoroughly after dealing with a spillage.

6.2. Environmental precautions

Environmental precautions

Do not discharge into drains or watercourses or onto the ground.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up

Eliminate all sources of ignition. Provide adequate ventilation. Absorb small quantities with paper towels and evaporate in a safe place. Once evaporation is complete, place paper in a suitable waste disposal container and seal securely. Flush contaminated area with plenty of water. Wash thoroughly after dealing with a spillage.

6.4. Reference to other sections

Reference to other sections

For personal protection, see Section 8.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Usage precautions

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Avoid inhalation of vapours/spray and contact with skin and eyes. Do not expose to temperatures exceeding 50°C/122°F. Do not pierce or burn, even after use. Provide adequate ventilation. Wear protective gloves. Wash hands thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions

Store at temperatures between 4°C and 40°C. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

Storage class

Flammable compressed gas storage.

7.3. Specific end use(s)

Specific end use(s)

The identified uses for this product are detailed in Section 1.2.

SECTION 8: Exposure Controls/personal protection

8.1. Control parameters

Occupational exposure limits

HYDROCARBON PROPELLANT

Long-term exposure limit (8-hour TWA): WEL 1000 ppm 1750 mg/m3
Short-term exposure limit (15-minute): WEL 1250 ppm 2180 mg/m3

Ethyl alcohol

Long-term exposure limit (8-hour TWA): WEL 1000 ppm 1920 mg/m3

WEL = Workplace Exposure Limit

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Ethyl alcohol (CAS: 64-17-5)

Ingredient comments

WEL = Workplace Exposure Limits

DNEL	Industry - Inhalation; Short term : 1900 mg/m3 Industry - Dermal; Long term : 343 mg/kg/day Industry - Inhalation; Long term : 950 mg/m3 Consumer - Inhalation; Short term : 950 mg/m3 Consumer - Dermal; Long term : 206 mg/kg/day Consumer - Inhalation; Long term : 114 mg/m3 Consumer - Oral; Long term : 87 mg/kg/day
PNEC	- Fresh water; 0.96 mg/l - Marine water; 0.79 mg/l - Soil; 0.62 mg/kg - STP; 580 mg/l

BENZYL BENZOATE (CAS: 120-51-4)

DNEL	Workers - Inhalation; Long term systemic effects: 5.1 mg/m³ Workers - Inhalation; Short term systemic effects: 102 mg/m3 Workers - Dermal; Long term systemic effects: 2.6 mg/kg/day General population - Inhalation; Long term systemic effects: 1.25 mg/m³ General population - Inhalation; Short term systemic effects: 25 mg/m³ General population - Dermal; Long term systemic effects: 1.3 mg/kg/day General population - Oral; Long term systemic effects: 0.4 mg/kg/day General population - Oral; Short term systemic effects: 78 mg/kg/day
PNEC	- Fresh water; 0.0168 mg/l - Marine water; 0.00168 mg/l - STP; 100 mg/l - Sediment (Freshwater); 10.66 mg/kg - Sediment (Marinewater); 1.07 mg/kg - Soil; 2.12 mg/kg

SODIUM NITRITE (CAS: 7632-00-0)

DNEL	Industry - Inhalation; Short term systemic effects: 2 mg/m3 Industry - Inhalation; Long term systemic effects: 2 mg/m3
PNEC	- Fresh water; .0054 mg/l - Sediment (Freshwater); .0195 mg/kg - Intermittent release; .0054 mg/l - Sediment (Marinewater); .0223 mg/kg - Marine water; .00616 mg/l - STP; 21 mg/l - Soil; .000733 mg/kg

8.2. Exposure controls

Protective equipment

Appropriate engineering controls

Provide adequate ventilation.

Eye/face protection

Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible. The following protection should be worn: Tight-fitting safety glasses.

Hand protection

Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin

contact is possible. Wear protective gloves made of the following material: Rubber (natural, latex). Neoprene. Polyvinyl chloride (PVC).

Hygiene measures

Wash hands thoroughly after handling.

SECTION 9: Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Appearance

Aerosol.

Odour

Pleasant, agreeable.

Solubility(ies)

Soluble in water.

9.2. Other information

Other information

Not determined.

SECTION 10: Stability and reactivity

10.1. Reactivity

There are no known reactivity hazards associated with this product.

10.2. Chemical stability

Stability

Stable at normal ambient temperatures and when used as recommended.

10.3. Possibility of hazardous reactions

Not determined.

10.4. Conditions to avoid

Avoid heat, flames and other sources of ignition.

10.5. Incompatible materials

Materials to avoid

No specific material or group of materials is likely to react with the product to produce a hazardous situation.

10.6. Hazardous decomposition products

Thermal decomposition or combustion products may include the following substances: Carbon dioxide (CO_2). Carbon monoxide (CO).

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity - oral

ATE oral (mg/kg)

171,428.57142857

Inhalation

Vapours may cause drowsiness and dizziness.

Ingestion

May cause discomfort if swallowed.

Skin contact

Prolonged contact may cause dryness of the skin.

Eye contact

May cause discomfort.

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Toxicological information on ingredients.

HYDROCARBON PROPELLANT

Toxicological effects

No information available.

Acute toxicity - inhalation

Acute toxicity inhalation (LC_{50} vapours mg/l)

20.01

Species

Rat

ATE inhalation (vapours mg/l)

20.01

Reproductive toxicity

Reproductive toxicity - development

No information available.

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Ethyl alcohol

Acute toxicity - oral

Acute toxicity oral (LD_{50} mg/kg)

2,001.0

Species

Rat

ATE oral (mg/kg)

2,001.0

Acute toxicity - dermal

Acute toxicity dermal (LD_{50} mg/kg)

2001.0

Species

Rabbit

ATE dermal (mg/kg)

2001.0

Acute toxicity - inhalation

Acute toxicity inhalation (LC_{50} vapours mg/l)

21.0

Species

Mouse

ATE inhalation (vapours mg/l)

21.0

Serious eye damage/irritation

Slightly irritating.

Specific target organ toxicity - repeated exposure

STOT - repeated exposure

NOAEL 1730 mg/kg, Oral,

Target organs

Gastro-intestinal tract Liver

Inhalation

Vapours in high concentrations are narcotic. Symptoms following overexposure may include the following: Headache. Fatigue. Dizziness. Nausea, vomiting.

Ingestion

Ingestion of large amounts may cause unconsciousness. May cause nausea, headache, dizziness and intoxication.

Skin contact

Repeated exposure may cause skin dryness or cracking.

Eye contact

Irritating to eyes.

Medical symptoms

EYES AND MUCOUS MEMBRANES. Irritation of eyes and mucous membranes. RESPIRATORY SYSTEM. Upper respiratory irritation. SKIN. Skin irritation. DIGESTIVE SYSTEM. Gastrointestinal symptoms, including upset stomach.

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SODIUM NITRITE

Acute toxicity - oral

Acute toxicity oral (LD_{50} mg/kg)

180.0

Species

Rat

ATE oral (mg/kg)

180.0

SECTION 12: Ecological Information

Ecotoxicity

Not regarded as dangerous for the environment.

Ecological information on ingredients.

Ethyl alcohol

Ecotoxicity

The product is not expected to be hazardous to the environment.

12.1. Toxicity

Acute toxicity - fish

Not determined.

BG040 MAGNOLIA AND VANILLA AIR FRESHENER

Ecological information on ingredients.

HYDROCARBON PROPELLANT

Acute toxicity - fish

Not determined.

Ethyl alcohol

Not considered toxic to fish.

Acute toxicity - fish

Not determined. LC50, 48 hours: > 100 mg/l, Leuciscus idus (Golden orfe) LC_{50}, 96 hours: 11.000 mg/l, Fish

Acute toxicity - aquatic invertebrates

EC_{50}, 48 hours: 12.34 mg/l, Daphnia magna

Acute toxicity - aquatic plants

EC_{50}, hours: mg/l, Selenastrum capricornutum

BENZYL BENZOATE

Acute aquatic toxicity

$LE(C)_{50}$

0.1 < L(E)C50 ≤ 1

M factor (Acute)

1

SODIUM NITRITE

Acute aquatic toxicity

$LE(C)_{50}$

0.1 < L(E)C50 ≤ 1

M factor (Acute)

1

Acute toxicity - fish

LC50, 48 hours: 360 mg/l, Leuciscus idus (Golden orfe) LC50, 96 hours: 0.54-26.3 mg/l, Onchorhynchus mykiss (Rainbow trout)

Acute toxicity - aquatic invertebrates

NOEC, : 9.86 mg/l, Daphnia magna EC_{50}, 48 hours: 15.4 mg/l, Daphnia magna

Chronic toxicity - aquatic invertebrates

NOEC, : 9.86 mg/l, Daphnia magna

12.2. Persistence and degradability

Persistence and degradability

The product is expected to be biodegradable.

Ecological information on ingredients.

Ethyl alcohol

Persistence and degradability

The product is readily biodegradable.

Biodegradation

- Half-life : 1 - <10

12.3. Bioaccumulative potential

The product is not bioaccumulating.

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Ecological information on ingredients.

Ethyl alcohol

The product is not bioaccumulating.

Partition coefficient

: -0.031

12.4. Mobility in soil

Mobility

The product is soluble in water.

Ecological information on ingredients.

Ethyl alcohol

Mobility

The product contains volatile organic compounds (VOCs) which will evaporate easily from all surfaces.

12.5. Results of PBT and vPvB assessment

This product does not contain any substances classified as PBT or vPvB.

12.6. Other adverse effects

Not determined.

Ecological information on ingredients.

Ethyl alcohol

Not known.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal methods

Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

SECTION 14: Transport information

14.1. UN number

UN No. (ADR/RID)	1950
UN No. (IMDG)	1950
UN No. (ICAO)	1950
UN No. (ADN)	1950

14.2. UN proper shipping name

Proper shipping name (ADR/RID)	AEROSOLS
Proper shipping name (IMDG)	AEROSOLS
Proper shipping name (ICAO)	AEROSOLS
Proper shipping name (ADN)	AEROSOLS

14.3. Transport hazard class(es)

ADR/RID class	2.1
IMDG class	2.1
ICAO class/division	2.1
ADN class	2.1

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Transport labels

14.4. Packing group

Not applicable.

14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant

No.

14.6. Special precautions for user

Tunnel restriction code (D)

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Not applicable.

SECTION 15: Regulatory information

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

National regulations

Control of Substances Hazardous to Health Regulations 2002 (as amended).

EU legislation

Commission Regulation (EU) No 453/2010 of 20 May 2010. Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (as amended).

Guidance

Workplace Exposure Limits EH40.

15.2. Chemical safety assessment

SECTION 16: Other information

Revision comments

NOTE: Lines within the margin indicate significant changes from the previous revision.

Revision date	26/05/2015
Revision	2.0
Supersedes date	22/03/2012

Risk phrases in full

R11 Highly flammable.
R12 Extremely flammable.
R22 Harmful if swallowed.
R25 Toxic if swallowed.
R50 Very toxic to aquatic organisms.
R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R8 Contact with combustible material may cause fire.

Hazard statements in full

BG040 MAGNOLIA AND VANILLA AIR FRESHENER

H220 Extremely flammable gas.
H222 Extremely flammable aerosol.
H225 Highly flammable liquid and vapour.
H229 Pressurised container: may burst if heated
H272 May intensify fire; oxidiser.
H280 Contains gas under pressure; may explode if heated.
H301 Toxic if swallowed.
H302 Harmful if swallowed.
H319 Causes serious eye irritation.
H400 Very toxic to aquatic life.
H411 Toxic to aquatic life with long lasting effects.