

SAFETY DATA SHEET**BG040 FRESH LINEN AIR FRESHENER****SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1. Product identifier**

Product name BG040 FRESH LINEN AIR FRESHENER
Product number A5880
Internal identification A5880

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

Health hazards

Elicitation - EUH208

Environmental hazards

Not Classified

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

F+;R12.

2.2. Label elements**Pictogram**

Signal word Danger

Hazard statements

EUH208 Contains 4-TERTIARY-BUTYLCYCLOHEXYL ACETATE. May produce an allergic reaction.
H229 Pressurised container: may burst if heated
H222 Extremely flammable aerosol.

Precautionary statements

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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.

P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.

P102 Keep out of reach of children.

P260 Do not breathe vapour/spray.

P271 Use only outdoors or in a well-ventilated area.

P501 Dispose of contents/container in accordance with national regulations.

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 CAS number: 68476-85-7 EC number: 270-704-2	30-60%
Classification Flam. Gas 1 - H220 Press. Gas, Liquefied - H280	Classification (67/548/EEC or 1999/45/EC) F+;R12.
Ethyl alcohol CAS number: 64-17-5 EC number: 200-578-6 REACH registration number: 01-2119457610-43-xxxx	1-5%
Classification Flam. Liq. 2 - H225 Eye Irrit. 2 - H319	Classification (67/548/EEC or 1999/45/EC) F;R11
4-TERTIARY-BUTYLCYCLOHEXYL ACETATE CAS number: 32210-23-4 EC number: 250-954-9	<1%
Classification Skin Sens. 1 - H317 Aquatic Chronic 2 - H411	Classification (67/548/EEC or 1999/45/EC) N;R51/53.
SODIUM NITRITE CAS number: 7632-00-0 EC number: 231-555-9 REACH registration number: 01-2119471836-27-xxxx M factor (Acute) = 1	<1%
Classification Ox. Sol. 3 - H272 Acute Tox. 3 - H301 Eye Irrit. 2 - H319 Aquatic Acute 1 - H400	Classification (67/548/EEC or 1999/45/EC) 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.

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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. Get medical attention if any discomfort continues.

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

Repeated exposure may cause skin dryness or cracking. May cause skin sensitisation or allergic reactions in sensitive individuals.

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 (CO₂).

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. Wear suitable

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protective equipment, including gloves, goggles/face shield, respirator, boots, clothing or apron, as appropriate. 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. Wear protective gloves. Wash hands thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions

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

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
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PNEC	- Fresh water; 0.96 mg/l - Marine water; 0.79 mg/l - Soil; 0.62 mg/kg - STP; 580 mg/l
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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
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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
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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)

Miscible with water.

9.2. Other information

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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 (CO₂). Carbon monoxide (CO).

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity - oral

ATE oral (mg/kg)

170,293.28287606

Inhalation

Vapours may cause drowsiness and dizziness.

Ingestion

May cause discomfort if swallowed.

Skin contact

Repeated exposure may cause skin dryness or cracking. May cause skin sensitisation or allergic reactions in sensitive individuals.

Eye contact

May cause discomfort.

Toxicological information on ingredients.

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HYDROCARBON PROPELLANT

Toxicological effects

No information available.

Acute toxicity - inhalation

Acute toxicity inhalation (LC₅₀ vapours mg/l)

20.01

Species

Rat

ATE inhalation (vapours mg/l)

20.01

Reproductive toxicity

Reproductive toxicity - development

No information available.

BG040 FRESH LINEN AIR FRESHENER**Ethyl alcohol****Acute toxicity - oral****Acute toxicity oral (LD₅₀ mg/kg)**

2,001.0

Species

Rat

ATE oral (mg/kg)

2,001.0

Acute toxicity - dermal**Acute toxicity dermal (LD₅₀ mg/kg)**

2001.0

Species

Rabbit

ATE dermal (mg/kg)

2001.0

Acute toxicity - inhalation**Acute toxicity inhalation (LC₅₀ 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 (LD₅₀ 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.

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) LC₅₀, 96 hours: 11.000 mg/l, Fish

Acute toxicity - aquatic invertebrates

EC₅₀, 48 hours: 12.34 mg/l, Daphnia magna

Acute toxicity - aquatic plants

EC₅₀, hours: mg/l, Selenastrum capricornutum

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 EC₅₀, 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

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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.

Ecological information on ingredients.**Ethyl alcohol**

The product is not bioaccumulating.

Partition coefficient

: -0.031

12.4. Mobility in soil**Mobility**

The product is miscible with water and may spread in water systems.

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
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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

Transport labels



14.4. Packing group

ADR/RID packing group 5F

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 13/05/2015
 Revision 2.0
 Supersedes date 22/03/2012
 Risk phrases in full

BG040 FRESH LINEN AIR FRESHENER

R11 Highly flammable.

R12 Extremely flammable.

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

EUH208 Contains 4-TERTIARY-BUTYLCYCLOHEXYL ACETATE. May produce an allergic reaction.

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.

H317 May cause an allergic skin reaction.

H319 Causes serious eye irritation.

H400 Very toxic to aquatic life.

H411 Toxic to aquatic life with long lasting effects.

Disclaimer

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.