



Manufacturers of Insette Hair Care, Household & Toiletry Products
Phone: 0151 734 1411
Email: sales@insette.com Website: www.insette.com

1.1 Product And Company Identification

Product Information: Insette Citrus Air freshener

UFI Numbers: HC10-E0QU-S001-N21J

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

Use and substance /mixture: Air freshener

1.3. Details of the supplier of the safety data sheet

Company name: L.E.C. (L`pool) Ltd.,
Alfred Street,
Wavertree,
Liverpool.
L15 4LH
Tel: +44 (0)151 734 1411
Email: steve@insette.com

1.4. Emergency telephone number

Emergency tel: +44(0)151 734 1411

Managing Director: M.P. Johnson, C.O.O: S.C. Daly
Directors: L.M. Blackhurst, D.D. Dwyer,
Address: LEC House, Alfred Street, Wavertree, Liverpool, L15 4LH
Registered in England – Company No. 1256061 VAT No. GB166 3941 43 – DPN: Z9943154

Section 2: Hazards identification

2.1 Classification of the substance or mixture

Classification under CLP: Danger extremely flammable aerosol

Most important adverse effects: Extremely flammable
May cause an allergic skin reaction

2.2 Label elements

Hazard statements: H222: Danger: extremely flammable aerosol.

Signal words: Danger

Hazard pictograms: GHS02: Flame



Hazard Statements: H222 Extremely flammable aerosol

Precautionary statements:

- P234 Keep only in original container.
- P260 Do not breathe vapour/ spray.
- P264 Wash contaminated skin thoroughly after handling.
- P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.
- P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
- P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower.
- P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
- P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P310 Immediately call a POISON CENTER/ doctor.
- P321 Specific treatment (see medical advice on this label).
- P363 Wash contaminated clothing before reuse.
- P390 Absorb spillage to prevent material damage.
- P501 Dispose of contents/ container in accordance with national regulations.
- P410+P412: Protect from sunlight. Do not expose to temperatures exceeding 50°C.

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2.3. Other hazards

Heating may cause an explosion which may cause a fire. Risk of explosion if heated.
 Reactions with the following materials may generate heat: Strong acids.

Section 3:

Composition/information on ingredients

3.2 Mixtures

Hazardous ingredient:

Ingredient	EINECS	CAS	Reach number	CLP Classification	Percent
Sodium Nitrite	231-555-9	7632-00-0	01-2119471836-27	H272, H301, H400	0.0 -0.1%
Parfum(Fragrance)	n/a	n/a	Exempt	H315, H317, H319, H361, H411	0.1 -1.0%
PETROLEUM GASES, LIQUIFIED	270-704-2	68476-85-7	Exempt	H220; H280 Flammable Gas, Category 1	25 -50%

Section 4:

First aid measures

4.1. Description of first aid measures

Skin contact: Wash immediately with plenty of soap and water. Remove all contaminated clothes and footwear immediately unless stuck to skin. Drench the effected skin with running water for 10 minutes if substance is still on skin.

Eye contact: Bathe the eye with running water for about 15 minutes. If symptoms persist seek medical advice.

Ingestion: Do not induce vomiting. Wash out mouth with water. Give 1 cup of water to drink every 10 minutes. If symptoms persist seek medical advice.

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Inhalation: Move to fresh air in case of accidental inhalation of vapours. If symptoms persist seek medical advice.

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

General Information: The severity of the symptoms described will vary dependant on the concentration and length of exposure.

Skin contact: Prolonged contact may cause irritation and redness at the site of contact.

Eye contact: May cause irritation and redness.

Ingestion: No specific symptoms known, but may cause discomfort if swallowed.

Inhalation: In high concentration may cause breathing difficulties.

Delayed/immediate effects: Immediate effects can be expected after short-term exposure.

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

None.

Section 5:

Fire-fighting measures

5.1. Extinguishing media.

Extinguishing media: Use water spray to cool containers.

Carbon dioxide.

Dry chemical powder.

5.2. Special hazards arising from the substance or mixture

Exposure hazards: Extremely flammable.

5.3. Advice for fire-fighters

Advice for fire-fighters: Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes. Fight fire remotely due to possible exploding aerosol containers.

Section 6

Accidental release measures

6.1. Personal precaution, protective equipment and emergency procedures.

Personal precaution: Wear protective clothing, gloves eye and face protection. Eliminate all sources of ignition. Evacuate the area immediately.

6.2. Environmental precautions

Environmental precautions: Do not discharge into drains or rivers. Contain the spillage using bunding.

6.3. Method and material for containment and cleaning up

Clean-up procedures: Absorb into dry earth or sand. Dispose of according to the Local Authority Regulations.

6.4. Reference to other sections: None.

Section 7:

Handling and storage

7.1. Precaution for safe handling

Handling requirements: Ensure there is sufficient ventilation of the area. Smoking is forbidden.
Pressurised container: Do not pierce or burn, even after use.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions: Store in a cool, well ventilated area. Keep away from sources of ignition. Keep out of direct sunlight.

Suitable packaging: As supplied aerosol containers.

7.3. 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

Hazard ingredients:

Workplace exposure limits:

Sodium Nitrite		
Location	8 hour TWA	15 min. STEL
UK	Inhalation; Long term systemic effects: 2 mg/m ³	Inhalation; Short term systemic effects: 2 mg/m ³

Parfum (Fragrance)		
Location	8 hour TWA	15 min. STEL
UK	Not applicable	Not applicable

PETROLEUM GASES LIQUIFIED		
Location	8 hour TWA	15 min. STEL
UK	1750mg mg/m ³	2180mg mg/m ³

8.2. Exposure Control

Engineering measures: Ensure there is sufficient ventilation of the area, ensure lighting and electrical equipment are not a source of ignition. The floor of the storage room must be impermeable to prevent the escape of liquids.

Respiratory protection: Gas/vapour filter, type A: organic Vapours (EN141).

Hand protection: Use protective gloves to specification EN1149-5 compliant.

Eye protection: Tightly fitting safety goggles.

Skin protection: Protective clothing.

Environmental: Prevent from entering in public sewers or the immediate environment.

Section 9:

Physical and chemical properties

9.1. Physical and chemical properties

Physical State	Aerosol
Appearance(Aerosol)	Spray
Odour	Characteristic of variant
Ph	6.0 -8.0
Melting Point/Freezing Point	No data available
Boiling Point/Range	N/A (Aerosol)
Flash Point	-40°C
Evaporation Rate	No data available
Flammability (Solid, Gas)	No data available
Upper/Lower Flammability	No data available
Vapour Pressure	4.0 bar @20°C
Specific Gravity	0.780 -0.800
Water Solubility	Very soluble
Solubility Other Solvents	No data available
Partition Coefficient: n-octanol/water	No data available
Auto-Ignition Temperature	No data available
Viscosity	No data available
Explosive Properties	No data available
Oxidising Properties	No data available

9.2. Other information: No data available.

Section 10:

Stability and reactivity

10.1. Reactivity: Stable under recommended transport or storage conditions.

10.2. Chemical stability: Stable under normal conditions. Stable at room temperature.

10.3. Possibility of hazardous reaction: Hazardous reaction will not occur under normal transport or storage conditions.

10.4. Conditions to avoid: Temperatures exceeding 50°C. should not be stored for long periods above 25°C.

10.5. Incompatible materials: None known.

10.6. Hazardous decomposition products: In combustion emits fumes of carbon dioxide/carbon monoxide.

Section 11

Toxicological information

11.1. Information on toxicological effects

Symptoms/routes of exposure

Skin contact: There may be irritation and redness at the site of contact.

Eye contact: There may be irritation and redness.

Ingestion: There may be soreness and redness of the mouth and throat.

Inhalation: There may be irritation of the throat with a feeling of tightness in the chest.

Delayed/immediate effects: Immediate effects can be expected after short-term exposure.

Acute Toxicity;	No known effect
Skin Corrosion/Irritation;	No known effect
Serious Eye Damage/Irritation;	No known effect
Respiratory Or Skin Sensitisation;	No known effect
Germ Cell Mutagenicity;	No known effect
Carcinogenicity;	No known effect
Reproductive Toxicity;	No known effect
STOT-Single Exposure;	No known effect

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STOT-Repeated Exposure;	No known effect
Aspiration Hazard;	No known effect

12. ECOLOGICAL INFORMATION

Product: The product itself has not been tested.

Toxicity: The ingredients in this formula have been reviewed and no adverse impact to the environment is to be expected when used according to label directions.

Toxicity to fish					
Component	CAS	End Point	Species	Value	Exposure Time
Sodium Nitrite	7632-00-0	LC50	Oncorhynchus mykiss (Rainbow trout)	0.54 mg/l	96 hours
Parfum	N/A	N/A	Very toxic to aquatic life with long lasting effects.		
Liquified petroleum gas	68476-85-7	LC50	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.		

Toxicity to aquatic invertebrates				
Component	CAS	End Point	Species	Value
Sodium Nitrite	7632-00-0	EC50	Daphnia magna	48 hours: 15.4 mg/l 96 hours: 4.93 mg/l
Parfum	N/A			No information available.
Liquified petroleum gas	68476-85-7		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.	

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Toxicity to aquatic plants					
Component	CAS	End Point	Species	Value	Component
Sodium Nitrite	7632-00-0	EC50	Scenedesmus subspicatus	72 hours: > 100 mg/l	
Parfum	N/A			No information available.	
Liquified petroleum gas	68476-85-7	No information available.	No information available.	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.	

Persistence and degradability		
Component	CAS	Biodegradation
Sodium Nitrite	7632-00-0	The product contains mainly inorganic substances which are not biodegradable.
Parfum	N/A	No information available.
Liquified petroleum gas	68476-85-7	Expected to be readily biodegradable. Oxidises rapidly by photo chemical reactions in air.

Bio accumulative Potential			
Component	CAS	Bio concentration factor (BCF)	Partition coefficient
Sodium Nitrite	7632-00-0	The product is not bio accumulating.	
Parfum	N/A	Not available.	
Liquified petroleum gas	68476-85-7	Not expected to bio accumulate significantly.	

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Mobility		
Component	CAS	End point
Sodium Nitrite	7632-00-0	The product is soluble in water.
Parfum	N/A	Not available.
Liquified petroleum gas	68476-85-7	Because of their extreme volatility, air is the only environmental compartment that hydrocarbon gases will be found.

PBT and vPvB assessment		
Component	CAS	Results
Sodium Nitrite	7632-00-0	This substance is not classified as PBT or vPvB according to current EU criteria.
Parfum	N/A	This substance does not meet the PBT/vPvB criteria of REACH, annex XIII.
Liquified petroleum gas	68476-85-7	The substance does not fulfil all screening criteria for persistence, bioaccumulation and toxicity and hence is not considered to be PBT or vPvB.

Other adverse effects: None known.

Section 13:

Disposal considerations

13.1. Waste treatment methods

Disposal operations: Dispose of as per the Local Authority Regulations.

Section 14: Transport information

Classified as dangerous goods for carriage under road/rail/sea/air regulations. This product is packed in accordance with the Limited Quantity Provisions of CDG, ADR and IMDG. These provisions allow transport of aerosols of less than 1 litre packed in cartons of less than 30kg gross weight to be exempt from control providing that they are labelled in accordance with the Limited Quantities requirements of these regulations.

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14.1. UN number: UN1950

14.2. UN proper shipping name: AEROSOLS

14.3. Transport hazard class(es): 2.1

14.4 Packing group: None allocated

14.5. Environmental hazards

Environmentally hazards: No

Marine pollutant: No

14.6. Special precautions for user: See section 8 for safe handling.

Section 15: Regulatory information

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

EU legislation.

The product is as classified under GHS/CLP- Regulation (EC) No 1272/2008 classification, labelling & packaging of substances & mixtures. Ingredients are listed with classification under GHS/CLP - Regulation (EC) No 1272/2008 classification, labelling & packaging of substances & mixtures.

15.2. Chemical safety assessment: No chemical safety assessment has been carried out as not applicable as this product is a mixture.

Section 16: Other information

Other information: This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Key literature references and sources for data

Material Safety Data Sheet, miscellaneous manufacturers.

SDS status: The hazard statements listed below in this section No 16 relate to the raw materials (ingredients) in the product (as listed in section 3) and NOT the product itself. For the hazard statements relating to this product see section 2.

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Insette

LEC (L'POOL) LIMITED

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Email: sales@insette.com Website: www.insette.com

Hazard statements in full: H222 Extremely flammable gas.

H222 Extremely flammable aerosol

H229 Pressurised container. May burst if heated.

H226 Flammable liquid and vapour

H272 May intensify fire; oxidiser.

H280 Contains gas under pressure; may explode if heated.

H304 May be fatal if swallowed and enters airways.

H301 Toxic if swallowed, in contact with skin or if inhaled

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H318 Causes serious eye damage.

H336 May cause drowsiness or dizziness

H361 Suspected of damaging fertility or the unborn child

H319 Causes serious eye irritation.

H400 Very toxic to aquatic life.

H411 Toxic to aquatic life with long lasting effects.

H410 Very toxic to aquatic life with long lasting effects

H290 May be corrosive to metals.

H314 Causes severe skin burns and eye damage.

Abbreviations & Acronyms

ADN: European Agreement Concerning the International Carriage of Dangerous Goods by Inland waterways

ADR: European Agreement Concerning the International Carriage of Dangerous Goods by Road

CAS: Chemical Abstract Service Number

CDG: The Carriage of Dangerous Goods and Use of Transportable Pressure Equipment Regulations

CLP: Classification Labelling & Packaging Regulation (EC No. 1272/2008)

COMAH: Control of Major Accident Hazards

DSEAR: The Dangerous Substances and Explosive Atmospheres Regulations

EH40: Workplace exposure limits -Containing the list of workplace exposure limits for use with the Control of Substances Hazardous to Health Regulations

EINECS: European Inventory of Existing Commercial Chemical Substances

EN: European Standard

GHS: Global Harmonised System of Classification and Labelling of Chemicals

IMDG: International Maritime Dangerous Goods Code

OEL: Occupational Exposure Limit

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PBT: Persistent Bio accumulative and Toxic

vPvB: Very Persistent and Very Bio accumulative

PPE: Personal Protective Equipment

PSSR: The Pressure Systems Safety Regulations

REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals

RID: Regulations Concerning the International Carriage of Dangerous Goods by Rail

RIDDOR: Reporting of Injuries, Diseases and Dangerous Occurrences Regulations

STEL: Short-Term Exposure Limit

TWA: Time-Weighted Averages

WEL: Workplace Exposure Limit

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1.1 Product And Company Identification

Product Information: Insette Jasmine Air freshener

UFI Numbers: TP00-D06P-A002-CAD1

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

Use and substance /mixture: Air freshener

1.3. Details of the supplier of the safety data sheet

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Alfred Street,
Wavertree,
Liverpool.
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- P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
- P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower.
- P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
- P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P310 Immediately call a POISON CENTER/ doctor.
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- P390 Absorb spillage to prevent material damage.
- P501 Dispose of contents/ container in accordance with national regulations.
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 Reactions with the following materials may generate heat: Strong acids.

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3.2 Mixtures

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Parfum(Fragrance)	n/a	n/a	Exempt	H315, H317, H319, H361, H411	0.1-1.0%
PETROLEUM GASES, LIQUIFIED	270-704-2	68476-85-7	Exempt	H220, H280 Flammable Gas, Category 1	25 - 50%

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First aid measures

4.1. Description of first aid measures

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Eye contact: Bathe the eye with running water for about 15 minutes. If symptoms persist seek medical advice.

Ingestion: Do not induce vomiting. Wash out mouth with water. Give 1 cup of water to drink every 10 minutes. If symptoms persist seek medical advice.

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Inhalation: Move to fresh air in case of accidental inhalation of vapours. If symptoms persist seek medical advice.

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General Information: The severity of the symptoms described will vary dependant on the concentration and length of exposure.

Skin contact: Prolonged contact may cause irritation and redness at the site of contact.

Eye contact: May cause irritation and redness.

Ingestion: No specific symptoms known, but may cause discomfort if swallowed.

Inhalation: In high concentration may cause breathing difficulties.

Delayed/immediate effects: Immediate effects can be expected after short-term exposure.

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

None.

Section 5:

Fire-fighting measures

5.1. Extinguishing media.

Extinguishing media: Use water spray to cool containers.

Carbon dioxide.

Dry chemical powder.

5.2. Special hazards arising from the substance or mixture

Exposure hazards: Extremely flammable.

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5.3. Advice for fire-fighters

Advice for fire-fighters: Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes. Fight fire remotely due to possible exploding aerosol containers.

Section 6

Accidental release measures

6.1. Personal precaution, protective equipment and emergency procedures.

Personal precaution: Wear protective clothing, gloves eye and face protection. Eliminate all sources of ignition. Evacuate the area immediately.

6.2. Environmental precautions

Environmental precautions: Do not discharge into drains or rivers. Contain the spillage using bunding.

6.3. Method and material for containment and cleaning up

Clean-up procedures: Absorb into dry earth or sand. Dispose of according to the Local Authority Regulations.

6.4. Reference to other sections: None

Section 7:

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7.1. Precaution for safe handling

Handling requirements: Ensure there is sufficient ventilation of the area. Smoking is forbidden.
Pressurised container: Do not pierce or burn, even after use.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions: Store in a cool, well ventilated area. Keep away from sources of ignition. Keep out of direct sunlight.

Suitable packaging: As supplied aerosol containers.

7.3. Specific end use(s): The identified uses for this product are detailed in section 1.2.

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Section 8:

Exposure controls/personal protection

8.1. Control parameters

Hazard ingredients:

Workplace exposure limits:

Sodium Nitrite		
Location	8 hour TWA	15 min. STEL
UK	Inhalation; Long term systemic effects: 2 mg/m ³	Inhalation; Short term systemic effects: 2 mg/m ³

Parfum (Fragrance)		
Location	8 hour TWA	15 min. STEL
UK	Not applicable	Not applicable

PETROLEUM GASES LIQUEFIED		
Location	8 hour TWA	15 min. STEL
UK	1750mg mg/m ³	2180mg mg/m ³

8.2. Exposure Control

Engineering measures: Ensure there is sufficient ventilation of the area, ensure lighting and electrical equipment are not a source of ignition. The floor of the storage room must be impermeable to prevent the escape of liquids.

Respiratory protection: Gas/vapour filter, type A: organic Vapours (EN141).

Hand protection: Use protective gloves to specification EN1149-5 compliant.

Eye protection: Tightly fitting safety goggles.

Skin protection: Protective Clothing.

Environmental: Prevent from entering in public sewers or the immediate environment.

Section 9:

Physical and chemical properties

9.1. Physical and chemical properties

Physical State	Aerosol
Appearance(Aerosol)	Spray
Odour	Characteristic of variant
Ph	6.0 -8.0
Melting Point/Freezing Point	No data available
Boiling Point/Range	N/A (Aerosol)
Flash Point	-40°C
Evaporation Rate	No data available
Flammability (Solid, Gas)	No data available
Upper/Lower Flammability	No data available
Vapour Pressure	4.0 bar @20°C
Specific Gravity	0.780 -0.800
Water Solubility	Very soluble
Solubility Other Solvents	No data available
Partition Coefficient: n-octanol/water	No data available
Auto-Ignition Temperature	No data available
Viscosity	No data available
Explosive Properties	No data available
Oxidising Properties	No data available

9.2. Other information: No data available.

Section 10:

Stability and reactivity

10.1. Reactivity: Stable under recommended transport or storage conditions.

10.2. Chemical stability: Stable under normal conditions. Stable at room temperature.

10.3. Possibility of hazardous reaction: Hazardous reaction will not occur under normal transport conditions storage conditions.

10.4. Conditions to avoid: Temperatures exceeding 50°C should not be stored for long periods above 25°C.

10.5. Incompatible materials: None known

10.6. Hazardous decomposition products: In combustion emits fumes of carbon dioxide/carbon monoxide.

Section 11

Toxicological information

11.1. Information on toxicological effects

Symptoms/routes of exposure

Skin contact: There may be irritation and redness at the site of contact.

Eye contact: There may be irritation and redness.

Ingestion: There may be soreness and redness of the mouth and throat.

Inhalation: There may be irritation of the throat with a feeling of tightness in the chest.

Delayed/immediate effects: Immediate effects can be expected after short-term exposure.

Acute Toxicity;	No known effect
Skin Corrosion/Irritation;	No known effect
Serious Eye Damage/Irritation;	No known effect
Respiratory Or Skin Sensitisation;	No known effect
Germ Cell Mutagenicity;	No known effect
Carcinogenicity;	No known effect
Reproductive Toxicity;	No known effect
STOT-Single Exposure;	No known effect

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STOT-Repeated Exposure;	No known effect
Aspiration Hazard;	No known effect

12. ECOLOGICAL INFORMATION

Product: The product itself has not been tested.

Toxicity: The ingredients in this formula have been reviewed and no adverse impact to the environment is expected when used according to label directions.

Toxicity to fish					
Component	CAS	End Point	Species	Value	Exposure Time
Sodium Nitrite	7632-00-0	LC50	Onchorhynchus mykiss (Rainbow trout)	0.54 mg/l	96 hours
Parfum	N/A	N/A	Very toxic to aquatic life with long lasting effects.		
Liquified petroleum gas	68476-85-7	LC50	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.		

Toxicity to aquatic invertebrates				
Component	CAS	End Point	Species	Value
Sodium Nitrite	7632-00-0	EC50	Daphnia magna	48 hours: 15.4 mg/l 96 hours: 4.93 mg/l
Parfum	N/A			No information available
Liquified petroleum gas	68476-85-7	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		

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Toxicity to aquatic plants					
Component	CAS	End Point	Species	Value	Component
Sodium Nitrite	7632-00-0	EC50	Scenedesmus subspicatus	72 hours: > 100 mg/l	
Parfum	N/A			No information available.	
Liquified petroleum gas	68476-85-7	No information available.	No information available.	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.	

Persistence and degradability		
Component	CAS	Biodegradation
Sodium Nitrite	7632-00-0	The product contains mainly inorganic substances which are not biodegradable.
Parfum	N/A	No information available.
Liquified petroleum gas	68476-85-7	Expected To Be Readily Biodegradable. Oxidises Rapidly By Photo Chemical Reactions In Air.

Bio accumulative Potential			
Component	CAS	Bio concentration factor (BCF)	Partition coefficient
Sodium Nitrite	7632-00-0	The product is not bio accumulating.	
Parfum	N/A	Not Available.	
Liquified petroleum gas	68476-85-7	Not expected to bio accumulate significantly.	

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Mobility		
Component	CAS	End point
Sodium Nitrite	7632-00-0	The product is soluble in water.
Parfum	N/A	Not available.
Liquified petroleum gas	68476-85-7	Because of their extreme volatility, air is the only environmental compartment that hydrocarbon gases will be found.

PBT and vPvB assessment		
Component	CAS	Results
Sodium Nitrite	7632-00-0	This substance is not classified as PBT or vPvB according to current EU criteria.
Parfum	N/A	This substance does not meet the PBT/vPvB criteria of REACH, annex XIII.
Liquified petroleum gas	68476-85-7	The substance does not fulfil all screening criteria for persistence, bioaccumulation and toxicity and hence is not considered to be PBT or vPvB.

Other adverse effects: None known.

Section 13:

Disposal considerations

13.1. Waste treatment methods

Disposal operations: Dispose of as per the Local Authority Regulations.

Section 14: Transport information

Classified as dangerous goods for carriage under road/rail/sea/air regulations. This product is packed in accordance with the Limited Quantity Provisions of CDG, ADR and IMDG. These provisions allow transport of aerosols of less than 1 litre packed in cartons of less than 30kg gross weight to be exempt from control providing that they are labelled in accordance with the Limited Quantities requirements of these regulations.

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14.1. UN number: UN1950

14.2. UN proper shipping name: AEROSOLS

14.3. Transport hazard class(es): 2.1

14.4 Packing group: None allocated

14.5. Environmental hazards

Environmentally hazards: No

Marine pollutant: No

14.6. Special precautions for user: See section 8 for safe handling.

Section 15: Regulatory information

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

EU legislation.

The product is as classified under GHS/CLP- Regulation (EC) No 1272/2008 classification, labelling & packaging of substances & mixtures. Ingredients are listed with classification under GHS/CLP - Regulation (EC) No 1272/2008 classification, labelling & packaging of substances & mixtures.

15.2. Chemical safety assessment:

No chemical safety assessment has been carried out as not applicable as this product is a mixture.

Section 16: Other information

Other information: This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Key literature references and sources for data

Material Safety Data Sheet, miscellaneous manufacturers.

SDS status: The hazard statements listed below in this Section No 16 relate to the raw materials (ingredients) in the product (as listed in Section 3) and NOT the product itself. For the hazard statements relating to this Product see Section 2.

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Hazard statements in full: H222 Extremely flammable gas.

- H222 Extremely flammable aerosol
- H229 Pressurised container. May burst if heated.
- H226 Flammable liquid and vapour.
- H272 May intensify fire; oxidiser.
- H280 Contains gas under pressure; may explode if heated.
- H304 May be fatal if swallowed and enters airways.
- H301 Toxic if swallowed, in contact with skin or if inhaled.
- H315 Causes skin irritation.
- H317 May cause an allergic skin reaction.
- H318 Causes serious eye damage.
- H336 May cause drowsiness or dizziness.
- H361 Suspected of damaging fertility or the unborn child.
- H319 Causes serious eye irritation.
- H400 Very toxic to aquatic life.
- H411 Toxic to aquatic life with long lasting effects.
- H410 Very toxic to aquatic life with long lasting effects.
- H290 May be corrosive to metals.
- H314 Causes severe skin burns and eye damage.

Abbreviations & Acronyms

AND: European Agreement Concerning the International Carriage of Dangerous Goods by Inland waterways

ADR: European Agreement Concerning the International Carriage of Dangerous Goods By Road

CAS: Chemical Abstract Service Number

CDG: The Carriage of Dangerous Goods and Use of Transportable Pressure Equipment Regulations

CLP: Classification Labelling & Packaging Regulation (EC No. 1272/2008)

COMAH: Control of Major Accident Hazards

DSEAR: The Dangerous Substances and Explosive Atmospheres Regulations

EH40: Workplace exposure limits -Containing the list of workplace exposure limits for use with the Control of Substances Hazardous to Health Regulations

EINECS: European Inventory of Existing Commercial Chemical Substances

EN: European Standard

GHS: Global Harmonised System of Classification and Labelling of Chemicals

IMDG: International Maritime Dangerous Goods Code

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OEL: Occupational Exposure Limit

PBT: Persistent Bio accumulative and Toxic

VPvB: Very Persistent and Very Bio accumulative

PPE: Personal Protective Equipment

PSSR: The Pressure Systems Safety Regulations

REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals

RID: Regulations Concerning the International Carriage of Dangerous Goods by Rail

RIDDOR: Reporting of Injuries, Diseases and Dangerous Occurrences Regulations

STEL: Short-Term Exposure Limit

TWA: Time-Weighted Averages

WEL: Workplace Exposure Limit

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1.1 Product And Company Identification

Product Information: Insette Lavender Air freshener

UFI Numbers: MH00-C0TV-Q002-1N6W

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

Use and substance /mixture: Air freshener

1.3. Details of the supplier of the safety data sheet

Company name: L.E.C. (L`pool) Ltd.,
Alfred Street,
Wavertree,
Liverpool,
L15 4LH
Tel: +44 (0)151 734 1411
Email: steve@insette.com

1.4. Emergency telephone number

Emergency tel: +44(0)151 734 1411

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Section 2: Hazards identification

2.1 Classification of the substance or mixture

Classification under CLP: Danger extremely flammable aerosol

Most important adverse effects: Extremely flammable
May cause an allergic skin reaction

2.2 Label elements

Hazard statements: H222: Danger: extremely flammable aerosol.

Signal words: Danger

Hazard pictograms: GHS02: Flame



Hazard Statements: H222 Extremely flammable aerosol.

Precautionary statements:

- P234 Keep only in original container.
- P260 Do not breathe vapour/ spray.
- P264 Wash contaminated skin thoroughly after handling.
- P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.
- P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
- P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower.
- P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
- P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P310 Immediately call a POISON CENTER/ doctor.
- P321 Specific treatment (see medical advice on this label).
- P363 Wash contaminated clothing before reuse.
- P390 Absorb spillage to prevent material damage.
- P501 Dispose of contents/ container in accordance with national regulations.
- P410+P412: Protect from sunlight. Do not expose to temperatures exceeding 50°C.

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2.3. Other hazards

Heating may cause an explosion which may cause a fire. Risk of explosion if heated.
 Reactions with the following materials may generate heat: Strong acids.

Section 3:

Composition/information on ingredients

3.2 Mixtures

Hazardous ingredient:

Ingredient	EINECS	CAS	Reach number	CLP Classification	Percent
Sodium Nitrite	231-555-9	7632-00-0	01-2119471836-27	H272, H301, H400	0.0 -0.1%
Parfum(Fragrance)	n/a	n/a	Exempt	H315, H317, H319, H361, H411	0.1 -1.0%
PETROLEUM GASES, LIQUIFIED	270-704-2	68476-85-7	Exempt	H220; H280 Flammable Gas, Category 1	25 -50%

Section 4:

First aid measures

4.1. Description of first aid measures

Skin contact: Wash immediately with plenty of soap and water. Remove all contaminated clothes and footwear immediately unless stuck to skin. Drench the effected skin with running water for 10 minutes if substance is still on skin.

Eye contact: Bathe the eye with running water for about 15 minutes. If symptoms persist seek medical advice.

Ingestion: Do not induce vomiting. Wash out mouth with water. Give 1 cup of water to drink every 10 minutes. If symptoms persist seek medical advice.

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Inhalation: Move to fresh air in case of accidental inhalation of vapours. If symptoms persist seek medical advice.

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

General Information: The severity of the symptoms described will vary dependant on the concentration and length of exposure.

Skin contact: Prolonged contact may cause irritation and redness at the site of contact.

Eye contact: May cause irritation and redness.

Ingestion: No specific symptoms known, but may cause discomfort if swallowed.

Inhalation: In high concentration may cause breathing difficulties.

Delayed/immediate effects: Immediate effects can be expected after short-term exposure.

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

None.

Section 5:

Fire-fighting measures

5.1. Extinguishing media.

Extinguishing media: Use water spray to cool containers.

Carbon dioxide.

Dry chemical powder.

5.2. Special hazards arising from the substance or mixture

Exposure hazards: Extremely flammable.

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5.3. Advice for fire-fighters

Advice for fire-fighters: Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes. Fight fire remotely due to possible exploding aerosol containers.

Section 6

Accidental release measures

6.1. Personal precaution, protective equipment and emergency procedures.

Personal precaution: Wear protective clothing, gloves eye and face protection. Eliminate all sources of ignition. Evacuate the area immediately.

6.2. Environmental precautions

Environmental precautions: Do not discharge into drains or rivers. Contain the spillage using bunding.

6.3. Method and material for containment and cleaning up

Clean-up procedures: Absorb into dry earth or sand. Dispose of according to the Local Authority Regulations.

6.4. Reference to other sections: None.

Section 7:

Handling and storage

7.1. Precaution for safe handling

Handling requirements: Ensure there is sufficient ventilation of the area. Smoking is forbidden.
Pressurised container: Do not pierce or burn, even after use.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions: Store in a cool, well ventilated area. Keep away from sources of ignition. Keep out of direct sunlight.

Suitable packaging: As supplied aerosol containers.

7.3. Specific end use(s): The identified uses for this product are detailed in section 1.2.

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Section 8:

Exposure controls/personal protection

8.1. Control parameters

Hazard ingredients:

Workplace exposure limits:

Sodium Nitrite		
Location	8 hour TWA	15 min. STEL
UK	Inhalation; Long term systemic effects: 2 mg/m ³	Inhalation; Short term systemic effects: 2 mg/m ³

Parfum (Fragrance)		
Location	8 hour TWA	15 min. STEL
UK	Not applicable	Not applicable

PETROLEUM GASES LIQUIFIED		
Location	8 hour TWA	15 min. STEL
UK	1750mg mg/m ³	2180mg mg/m ³

8.2. Exposure Control

Engineering measures: Ensure there is sufficient ventilation of the area, ensure lighting and electrical equipment are not a source of ignition. The floor of the storage room must be impermeable to prevent the escape of liquids.

Respiratory protection: Gas/vapour filter, type A: organic Vapours (EN141).

Hand protection: Use protective gloves to specification EN1149-5 compliant.

Eye protection: Tightly fitting safety goggles.

Skin protection: Protective clothing.

Environmental: Prevent from entering in public sewers or the immediate environment.

Section 9:

Physical and chemical properties

9.1. Physical and chemical properties

Physical State	Aerosol
Appearance(Aerosol)	Spray
Odour	Characteristic of variant
Ph	6.0 -8.0
Melting Point/Freezing Point	No data available
Boiling Point/Range	N/A (Aerosol)
Flash Point	-40°C
Evaporation Rate	No data available
Flammability (Solid, Gas)	No data available
Upper/Lower Flammability	No data available
Vapour Pressure	4.0 bar @20°C
Specific Gravity	0.780 -0.800
Water Solubility	Very soluble
Solubility Other Solvents	No data available
Partition Coefficient: n-octanol/water	No data available
Auto-Ignition Temperature	No data available
Viscosity	No data available
Explosive Properties	No data available
Oxidising Properties	No data available

9.2. Other information: No data available.

Section 10:

Stability and reactivity

10.1. Reactivity: Stable under recommended transport or storage conditions.

10.2. Chemical stability: Stable under normal conditions. Stable at room temperature.

10.3. Possibility of hazardous reaction: Hazardous reaction will not occur under normal transport or storage conditions.

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10.4. Conditions to avoid: Temperatures exceeding 50°C. should not be stored for long periods above 25°C.

10.5. Incompatible materials: None known.

10.6. Hazardous decomposition products: In combustion emits fumes of carbon dioxide/carbon monoxide.

Section 11

Toxicological information

11.1. Information on toxicological effects

Symptoms/routes of exposure

Skin contact: There may be irritation and redness at the site of contact.

Eye contact: There may be irritation and redness.

Ingestion: There may be soreness and redness of the mouth and throat.

Inhalation: There may be irritation of the throat with a feeling of tightness in the chest.

Delayed/immediate effects: Immediate effects can be expected after short-term exposure.

Acute Toxicity;	No known effect
Skin Corrosion/Irritation;	No known effect
Serious Eye Damage/Irritation;	No known effect
Respiratory Or Skin Sensitisation;	No known effect
Germ Cell Mutagenicity;	No known effect
Carcinogenicity;	No known effect
Reproductive Toxicity;	No known effect
STOT-Single Exposure;	No known effect

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STOT-Repeated Exposure;	No known effect
Aspiration Hazard;	No known effect

12. ECOLOGICAL INFORMATION

Product: The product itself has not been tested.

Toxicity: The ingredients in this formula have been reviewed and no adverse impact to the environment is to be expected when used according to label directions.

Toxicity to fish					
Component	CAS	End Point	Species	Value	Exposure Time
Sodium Nitrite	7632-00-0	LC50	Oncorhynchus mykiss (Rainbow trout)	0.54 mg/l	96 hours
Parfum	N/A	N/A	Very toxic to aquatic life with long lasting effects.		
Liquified petroleum gas	68476-85-7	LC50	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.		

Toxicity to aquatic invertebrates				
Component	CAS	End Point	Species	Value
Sodium Nitrite	7632-00-0	EC50	Daphnia magna	48 hours: 15.4 mg/l 96 hours: 4.93 mg/l
Parfum	N/A			No information available.
Liquified petroleum gas	68476-85-7	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.		

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Toxicity to aquatic plants					
Component	CAS	End Point	Species	Value	Component
Sodium Nitrite	7632-00-0	EC50	Scenedesmus subspicatus	72 hours: > 100 mg/l	
Parfum	N/A			No information available	
Liquified petroleum gas	68476-85-7	No information available.	No information available.	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.	

Persistence and degradability		
Component	CAS	Biodegradation
Sodium Nitrite	7632-00-0	The product contains mainly inorganic substances which are not biodegradable.
Parfum	N/A	No information available.
Liquified petroleum gas	68476-85-7	Expected to be readily biodegradable. Oxidises rapidly by photo chemical reactions in air.

Bio accumulative Potential			
Component	CAS	Bio concentration factor (BCF)	Partition coefficient
Sodium Nitrite	7632-00-0	The product is not bio accumulating.	
Parfum	N/A	Not available.	
Liquified petroleum gas	68476-85-7	Not expected to bio accumulate significantly.	

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Mobility		
Component	CAS	End point
Sodium Nitrite	7632-00-0	The product is soluble in water.
Parfum	N/A	Not available.
Liquified petroleum gas	68476-85-7	Because of their extreme volatility, air is the only environmental compartment that hydrocarbon gases will be found.

PBT and vPvB assessment		
Component	CAS	Results
Sodium Nitrite	7632-00-0	This substance is not classified as PBT or vPvB according to current EU criteria.
Parfum	N/A	This substance does not meet the PBT/vPvB criteria of REACH, annex XIII.
Liquified petroleum gas	68476-85-7	The substance does not fulfil all screening criteria for persistence, bioaccumulation and toxicity and hence is not considered to be PBT or vPvB.

Other adverse effects: None known.

Section 13:

Disposal considerations

13.1. Waste treatment methods

Disposal operations: Dispose of as per the Local Authority Regulations.

Section 14: Transport information

Classified as dangerous goods for carriage under road/rail/sea/air regulations. This product is packed in accordance with the Limited Quantity Provisions of CDG, ADR and IMDG. These provisions allow transport of aerosols of less than 1 litre packed in cartons of less than 30kg gross weight to be exempt from control providing that they are labelled in accordance with the Limited Quantities requirements of these regulations.

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Email: sales@insette.com Website: www.insette.com

14.1. UN number: UN1950

14.2. UN proper shipping name: AEROSOLS

14.3. Transport hazard class(es): 2.1

14.4 Packing group: None allocated

14.5. Environmental hazards

Environmentally hazards: No

Marine pollutant: No

14.6. Special precautions for user: See section 8 for safe handling.

Section 15: Regulatory information

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

EU legislation.

The product is as classified under GHS/CLP- Regulation (EC) No 1272/2008 classification, labelling & packaging of substances & mixtures. Ingredients are listed with classification under GHS/CLP - Regulation (EC) No 1272/2008 classification, labelling & packaging of substances & mixtures.

15.2. Chemical safety assessment: No chemical safety assessment has been carried out as not applicable as this product is a mixture.

Section 16: Other information

Other information: This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Key literature references and sources for data

Material Safety Data Sheet, miscellaneous manufacturers.

SDS status: The hazard statements listed below in this section No 16 relate to the raw materials (ingredients) in the product (as listed in section 3) and NOT the product itself. For the hazard statements relating to this product see section 2.

Managing Director: M.P. Johnson, C.O.O: S.C. Daly

Directors: L.M. Blackhurst, D.D. Dwyer,

Address: LEC House, Alfred Street, Wavertree, Liverpool, L15 4LH

Registered in England – Company No. 1256061 VAT No. GB166 3941 43 – DPN: Z9943154



Manufacturers of Insette Hair Care, Household & Toiletry Products
Phone: 0151 734 1411
Email: sales@insette.com Website: www.insette.com

Hazard statements in full: H222 Extremely flammable gas.
H222 Extremely flammable aerosol.
H229 Pressurised container. May burst if heated.
H226 Flammable liquid and vapour.
H272 May intensify fire; oxidiser.
H280 Contains gas under pressure; may explode if heated.
H304 May be fatal if swallowed and enters airways.
H301 Toxic if swallowed, in contact with skin or if inhaled.
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H318 Causes serious eye damage.
H336 May cause drowsiness or dizziness.
H361 Suspected of damaging fertility or the unborn child.
H319 Causes serious eye irritation.
H400 Very toxic to aquatic life.
H411 Toxic to aquatic life with long lasting effects.
H410 Very toxic to aquatic life with long lasting effects.
H290 May be corrosive to metals.
H314 Causes severe skin burns and eye damage.

Abbreviations & Acronyms

ADN: European Agreement Concerning the International Carriage of Dangerous Goods by Inland waterways

ADR: European Agreement Concerning the International Carriage of Dangerous Goods by Road

CAS: Chemical Abstract Service Number

CDG: The Carriage of Dangerous Goods and Use of Transportable Pressure Equipment Regulations

CLP: Classification Labelling & Packaging Regulation (EC No. 1272/2008)

COMAH: Control of Major Accident Hazards

DSEAR: The Dangerous Substances and Explosive Atmospheres Regulations

EH40: Workplace exposure limits -Containing the list of workplace exposure limits for use with the Control of Substances Hazardous to Health Regulations

EINECS: European Inventory of Existing Commercial Chemical Substances

EN: European Standard

GHS: Global Harmonised System of Classification and Labelling of Chemicals

IMDG: International Maritime Dangerous Goods Code

OEL: Occupational Exposure Limit

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PBT: Persistent Bio accumulative and Toxic

vPvB: Very Persistent and Very Bio accumulative

PPE: Personal Protective Equipment

PSSR: The Pressure Systems Safety Regulations

REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals

RID: Regulations Concerning the International Carriage of Dangerous Goods by Rail

RIDDOR: Reporting of Injuries, Diseases and Dangerous Occurrences Regulations

STEL: Short-Term Exposure Limit

TWA: Time-Weighted Averages

WEL: Workplace Exposure Limit

Managing Director: M.P. Johnson, C.O.O: S.C. Daly

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Manufacturers of Insette Hair Care, Household & Toiletry Products

Phone: 0151 734 1411

Email: sales@insette.com Website: www.insette.com

1.1 Product And Company Identification

Product Information: Insette Linen Fresh Air freshener

UFI Numbers: HK00-VOH9-000J-PYSY

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

Use and substance /mixture: Air freshener

1.3. Details of the supplier of the safety data sheet

Company name: L.E.C. (L`pool) Ltd.,
Alfred Street,
Wavertree,
Liverpool,
L15 4LH
Tel: +44 (0)151 734 1411
Email: steve@insette.com

1.4. Emergency telephone number

Emergency tel: +44(0)151 734 1411

Managing Director: M.P. Johnson, C.O.O: S.C. Daly

Directors: L.M. Blackhurst, D.D. Dwyer,

Address: LEC House, Alfred Street, Wavertree, Liverpool, L15 4LH

Registered in England – Company No. 1256061 VAT No. GB166 3941 43 – DPN: Z9943154

Section 2: Hazards identification

2.1 Classification of the substance or mixture

Classification under CLP: Danger extremely flammable aerosol

Most important adverse effects: Extremely flammable
May cause an allergic skin reaction

2.2 Label elements

Hazard statements: H222: Danger: extremely flammable aerosol.

Signal words: Danger

Hazard pictograms: GHS02: Flame



Hazard Statements: H222 Extremely flammable aerosol

Precautionary statements:

- P234 Keep only in original container.
- P260 Do not breathe vapour/ spray.
- P264 Wash contaminated skin thoroughly after handling.
- P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.
- P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
- P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower.
- P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
- P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P310 Immediately call a POISON CENTER/ doctor.
- P321 Specific treatment (see medical advice on this label).
- P363 Wash contaminated clothing before reuse.
- P390 Absorb spillage to prevent material damage.
- P501 Dispose of contents/ container in accordance with national regulations.
- P410+P412: Protect from sunlight. Do not expose to temperatures exceeding 50°C.

Managing Director: M.P. Johnson, C.O.O: S.C. Daly

Directors: L.M. Blackhurst, D.D. Dwyer,

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2.3. Other hazards

Heating may cause an explosion which may cause a fire. Risk of explosion if heated.

Reactions with the following materials may generate heat: Strong acids.

Section 3:

Composition/information on ingredients

3.2 Mixtures

Hazardous ingredient:

Ingredient	EINECS	CAS	Reach number	CLP Classification	Percent
Sodium Nitrite	231-555-9	7632-00-0	01-2119471836-27	H272, H301, H400	0.0 -0.1%
Parfum(Fragrance)	n/a	n/a	Exempt	H315, H317, H319, H361, H411	0.1 -1.0%
PETROLEUM GASES, LIQUIFIED	270-704-2	68476-85-7	Exempt	H220; H280 Flammable Gas, Category 1	25 -50%

Section 4:

First aid measures

4.1. Description of first aid measures

Skin contact: Wash immediately with plenty of soap and water. Remove all contaminated clothes and footwear immediately unless stuck to skin. Drench the effected skin with running water for 10 minutes if substance is still on skin.

Eye contact: Bathe the eye with running water for about 15 minutes. If symptoms persist seek medical advice.

Ingestion: Do not induce vomiting. Wash out mouth with water. Give 1 cup of water to drink every 10 minutes. If symptoms persist seek medical advice.

Managing Director: M.P. Johnson, C.O.O: S.C. Daly

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Manufacturers of Insette Hair Care, Household & Toiletry Products

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Email: sales@insette.com Website: www.insette.com

Inhalation: Move to fresh air in case of accidental inhalation of vapours. If symptoms persist seek medical advice.

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

General Information: The severity of the symptoms described will vary dependant on the concentration and length of exposure.

Skin contact: Prolonged contact may cause irritation and redness at the site of contact.

Eye contact: May cause irritation and redness.

Ingestion: No specific symptoms known, but may cause discomfort if swallowed.

Inhalation: In high concentration may cause breathing difficulties.

Delayed/immediate effects: Immediate effects can be expected after short-term exposure.

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

None.

Section 5:

Fire-fighting measures

5.1. Extinguishing media.

Extinguishing media: Use water spray to cool containers.

Carbon dioxide.

Dry chemical powder.

5.2. Special hazards arising from the substance or mixture

Exposure hazards: Extremely flammable.

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Email: sales@insette.com Website: www.insette.com

5.3. Advice for fire-fighters

Advice for fire-fighters: Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes. Fight fire remotely due to possible exploding aerosol containers.

Section 6

Accidental release measures

6.1. Personal precaution, protective equipment and emergency procedures.

Personal precaution: Wear protective clothing, gloves eye and face protection. Eliminate all sources of ignition. Evacuate the area immediately.

6.2. Environmental precautions

Environmental precautions: Do not discharge into drains or rivers. Contain the spillage using bunding.

6.3. Method and material for containment and cleaning up

Clean-up procedures: Absorb into dry earth or sand. Dispose of according to the Local Authority Regulations.

6.4. Reference to other sections: None.

Section 7:

Handling and storage

7.1. Precaution for safe handling

Handling requirements: Ensure there is sufficient ventilation of the area. Smoking is forbidden. Pressurised container: Do not pierce or burn, even after use.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions: Store in a cool, well ventilated area. Keep away from sources of ignition. Keep out of direct sunlight.

Suitable packaging: As supplied aerosol containers.

7.3. Specific end use(s): The identified uses for this product are detailed in section 1.2.

Managing Director: M.P. Johnson, C.O.O: S.C. Daly

Directors: L.M. Blackhurst, D.D. Dwyer,

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Section 8:

Exposure controls/personal protection

8.1. Control parameters

Hazard ingredients:

Workplace exposure limits:

Sodium Nitrite		
Location	8 hour TWA	15 min. STEL
UK	Inhalation; Long term systemic effects: 2 mg/m ³	Inhalation; Short term systemic effects: 2 mg/m ³

Parfum (Fragrance)		
Location	8 hour TWA	15 min. STEL
UK	Not applicable	Not applicable

PETROLEUM GASES LIQUIFIED		
Location	8 hour TWA	15 min. STEL
UK	1750mg mg/m ³	2180mg mg/m ³

8.2. Exposure Control

Engineering measures: Ensure there is sufficient ventilation of the area, ensure lighting and electrical equipment are not a source of ignition. The floor of the storage room must be impermeable to prevent the escape of liquids.

Respiratory protection: Gas/vapour filter, type A: organic vapours (EN141).

Hand protection: Use protective gloves to specification EN1149-5 compliant.

Eye protection: Tightly fitting safety goggles.

Skin protection: Protective clothing.

Environmental: Prevent from entering in public sewers or the immediate environment.

Section 9:

Physical and chemical properties

9.1. Physical and chemical properties

Physical State	Aerosol
Appearance(Aerosol)	Spray
Odour	Characteristic of variant
Ph	6.0 -8.0
Melting Point/Freezing Point	No data available
Boiling Point/Range	N/A (Aerosol)
Flash Point	-40°C
Evaporation Rate	No data available
Flammability (Solid, Gas)	No data available
Upper/Lower Flammability	No data available
Vapour Pressure	4.0 bar @20°C
Specific Gravity	0.780 -0.800
Water Solubility	Very soluble
Solubility Other Solvents	No data available
Partition Coefficient: n-octanol/water	No data available
Auto-Ignition Temperature	No data available
Viscosity	No data available
Explosive Properties	No data available
Oxidising Properties	No data available

9.2. Other information: No data available.

Section 10:

Stability and reactivity

10.1. Reactivity: Stable under recommended transport or storage conditions.

10.2. Chemical stability: Stable under normal conditions. Stable at room temperature.

10.3. Possibility of hazardous reaction: Hazardous reaction will not occur under normal transport or storage conditions.

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Manufacturers of Insette Hair Care, Household & Toiletry Products

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Email: sales@insette.com Website: www.insette.com

10.4. Conditions to avoid: Temperatures exceeding 50°C should not be stored for long periods above 25°C.

10.5. Incompatible materials: None known.

10.6. Hazardous decomposition products: In combustion emits fumes of carbon dioxide/carbon monoxide.

Section 11

Toxicological information

11.1. Information on toxicological effects

Symptoms/routes of exposure

Skin contact: There may be irritation and redness at the site of contact.

Eye contact: There may be irritation and redness.

Ingestion: There may be soreness and redness of the mouth and throat.

Inhalation: There may be irritation of the throat with a feeling of tightness in the chest.

Delayed/immediate effects: Immediate effects can be expected after short-term exposure.

Acute Toxicity;	No known effect
Skin Corrosion/Irritation;	No known effect
Serious Eye Damage/Irritation;	No known effect
Respiratory Or Skin Sensitisation;	No known effect
Germ Cell Mutagenicity;	No known effect
Carcinogenicity;	No known effect
Reproductive Toxicity;	No known effect
STOT-Single Exposure;	No known effect

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STOT-Repeated Exposure;	No known effect
Aspiration Hazard;	No known effect

12. ECOLOGICAL INFORMATION

Product: The product itself has not been tested.

Toxicity: The ingredients in this formula have been reviewed and no adverse impact to the environment is expected when used according to label directions.

Toxicity to fish					
Component	CAS	End Point	Species	Value	Exposure Time
Sodium Nitrite	7632-00-0	LC50	Oncorhynchus mykiss (Rainbow trout)	0.54 mg/l	96 hours
Parfum	N/A	N/A	Very toxic to aquatic life with long lasting effects.		
Liquified petroleum gas	68476-85-7	LC50	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.		

Toxicity to aquatic invertebrates				
Component	CAS	End Point	Species	Value
Sodium Nitrite	7632-00-0	EC50	Daphnia magna	48 hours: 15.4 mg/l 96 hours: 4.93 mg/l
Parfum	N/A			No information available.
Liquified petroleum gas	68476-85-7	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.		

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Toxicity to aquatic plants					
Component	CAS	End Point	Species	Value	Component
Sodium Nitrite	7632-00-0	EC50	Scenedesmus subspicatus	72 hours: > 100 mg/l	
Parfum	N/A			No information available.	
Liquified petroleum gas	68476-85-7	No information available.	No information available.	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.	

Persistence and degradability		
Component	CAS	Biodegradation
Sodium Nitrite	7632-00-0	The product contains mainly inorganic substances which are not biodegradable.
Parfum	N/A	No information available.
Liquified petroleum gas	68476-85-7	Expected to be readily biodegradable. Oxidises rapidly by photo chemical reactions in air.

Bio accumulative Potential			
Component	CAS	Bio concentration factor (BCF)	Partition coefficient
Sodium Nitrite	7632-00-0	The product is not bio accumulating.	
Parfum	N/A	Not available.	
Liquified petroleum gas	68476-85-7	Not expected to bio accumulate significantly.	

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Mobility		
Component	CAS	End point
Sodium Nitrite	7632-00-0	The product is soluble in water.
Parfum	N/A	Not available.
Liquified petroleum gas	68476-85-7	Because of their extreme volatility, air is the only environmental compartment that hydrocarbon gases will be found.

PBT and vPvB assessment		
Component	CAS	Results
Sodium Nitrite	7632-00-0	This substance is not classified as PBT or vPvB according to current EU criteria.
Parfum	N/A	This substance does not meet the PBT/vPvB criteria of REACH, annex XIII.
Liquified petroleum gas	68476-85-7	The substance does not fulfil all screening criteria for persistence, bioaccumulation and toxicity and hence is not considered to be PBT or vPvB.

Other adverse effects: None known.

Section 13:

Disposal considerations

13.1. Waste treatment methods

Disposal operations: Dispose of as per the Local Authority Regulations.

Section 14: Transport information

Classified as dangerous goods for carriage under road/rail/sea/air regulations. This product is packed in accordance with the Limited Quantity Provisions of CDG, ADR and IMDG. These provisions allow transport of aerosols of less than 1 litre packed in cartons of less than 30kg gross weight to be exempt from control providing that they are labelled in accordance with the Limited Quantities requirements of these regulations.

Managing Director: M.P. Johnson, C.O.O: S.C. Daly

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Manufacturers of Insette Hair Care, Household & Toiletry Products

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14.1. UN number: UN1950

14.2. UN proper shipping name: AEROSOLS

14.3. Transport hazard class(es): 2.1

14.4 Packing group: None allocated

14.5. Environmental hazards

Environmentally hazards: No

Marine pollutant: No

14.6. Special precautions for user: See section 8 for safe handling.

Section 15: Regulatory information

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

EU legislation.

The product is as classified under GHS/CLP- Regulation (EC) No 1272/2008 classification, labelling & packaging of substances & mixtures. Ingredients are listed with classification under GHS/CLP - Regulation (EC) No 1272/2008 classification, labelling & packaging of substances & mixtures.

15.2. Chemical safety assessment: No chemical safety assessment has been carried out as not applicable as this product is a mixture.

Section 16: Other information

Other information: This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Key literature references and sources for data

Material Safety Data Sheet, miscellaneous manufacturers.

SDS status: The hazard statements listed below in this section No 16 relate to the raw materials (ingredients) in the product (as listed in section 3) and NOT the product itself. For the hazard statements relating to this product see section 2.

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H272 May intensify fire; oxidiser.
H280 Contains gas under pressure; may explode if heated.
H304 May be fatal if swallowed and enters airways.
H301 Toxic if swallowed, in contact with skin or if inhaled.
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H318 Causes serious eye damage.
H336 May cause drowsiness or dizziness.
H361 Suspected of damaging fertility or the unborn child.
H319 Causes serious eye irritation.
H400 Very toxic to aquatic life.
H411 Toxic to aquatic life with long lasting effects.
H410 Very toxic to aquatic life with long lasting effects.
H290 May be corrosive to metals.
H314 Causes severe skin burns and eye damage.

Abbreviations & Acronyms

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CAS: Chemical Abstract Service Number

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DSEAR: The Dangerous Substances and Explosive Atmospheres Regulations

EH40: Workplace exposure limits -Containing the list of workplace exposure limits for use with the Control of Substances Hazardous to Health Regulations

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PBT: Persistent Bio accumulative and Toxic

vPvB: Very Persistent and Very Bio accumulative

PPE: Personal Protective Equipment

PSSR: The Pressure Systems Safety Regulations

REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals

RID: Regulations Concerning the International Carriage of Dangerous Goods by Rail

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Manufacturers of Insette Hair Care, Household & Toiletry Products
Phone: 0151 734 1411
Email: sales@insette.com Website: www.insette.com

1.1 Product And Company Identification

Product Information: Insette Spring Flowers Air freshener

UFI Numbers: N610-E0C2-5001-ACVE

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

Use and substance /mixture: Air freshener

1.3. Details of the supplier of the safety data sheet

Company name: L.E.C. (L`pool) Ltd.,
Alfred Street,
Wavertree,
Liverpool.
L15 4LH
Tel: +44 (0)151 734 1411
Email: steve@insette.com

1.4. Emergency telephone number

Emergency tel: +44(0)151 734 1411

Managing Director: M.P. Johnson, C.O.O: S.C. Daly
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Section 2: Hazards identification

2.1 Classification of the substance or mixture

Classification under CLP: Danger extremely flammable aerosol

Most important adverse effects: Extremely flammable
May cause an allergic skin reaction

2.2 Label elements

Hazard statements: H222: Danger: extremely flammable aerosol.

Signal words: Danger

Hazard pictograms: GHS02: Flame



Hazard Statements: H222 Extremely flammable aerosol.

Precautionary statements: P234 Keep only in original container.
P260 Do not breathe vapour/ spray.
P264 Wash contaminated skin thoroughly after handling.
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.
P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower.
P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310 Immediately call a POISON CENTER/ doctor.
P321 Specific treatment (see medical advice on this label).
P363 Wash contaminated clothing before reuse.
P390 Absorb spillage to prevent material damage.
P501 Dispose of contents/ container in accordance with national regulations.
P410+P412: Protect from sunlight. Do not expose to temperatures exceeding 50°C.

Managing Director: M.P. Johnson, C.O.O: S.C. Daly

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 Email: sales@insette.com Website: www.insette.com

2.3. Other hazards.

Heating may cause an explosion which may cause a fire. Risk of explosion if heated.
 Reactions with the following materials may generate heat: Strong acids.

Section 3:

Composition/information on ingredients

3.2 Mixtures

Hazardous ingredient:

Ingredient	EINECS	CAS	Reach number	CLP Classification	Percent
Sodium Nitrite	231-555-9	7632-00-0	01-2119471836-27	H272, H301, H400	0.0 -0.1%
Parfum(Fragrance)	n/a	n/a	Exempt	H315, H317, H319, H361, H411	0.1 -1.0%
PETROLEUM GASES, LIQUIFIED	270-704-2	68476-85-7	Exempt	H220; H280 Flammable Gas, Category 1	25 -50%

Section 4:

First aid measures

4.1. Description of first aid measures

Skin contact: Wash immediately with plenty of soap and water. Remove all contaminated clothes and footwear immediately unless stuck to skin. Drench the effected skin with running water for 10 minutes if substance is still on skin.

Eye contact: Bathe the eye with running water for about 15 minutes. If symptoms persist seek medical advice.

Ingestion: Do not induce vomiting. Wash out mouth with water. Give 1 cup of water to drink every 10 minutes. If symptoms persist seek medical advice.

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 Directors: L.M. Blackhurst, D.D. Dwyer,
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Inhalation: Move to fresh air in case of accidental inhalation of vapours. If symptoms persist seek medical advice.

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

General Information: The severity of the symptoms described will vary dependant on the concentration and length of exposure.

Skin contact: Prolonged contact may cause irritation and redness at the site of contact.

Eye contact: May cause irritation and redness.

Ingestion: No specific symptoms known, but may cause discomfort if swallowed.

Inhalation: In high concentration may cause breathing difficulties.

Delayed/immediate effects: Immediate effects can be expected after short-term exposure.

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

None.

Section 5:

Fire-fighting measures

5.1. Extinguishing media.

Extinguishing media: Use water spray to cool containers.

Carbon dioxide.

Dry chemical powder.

5.2. Special hazards arising from the substance or mixture

Exposure hazards: Extremely flammable.

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5.3. Advice for fire-fighters

Advice for fire-fighters: Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes. Fight fire remotely due to possible exploding aerosol containers.

Section 6

Accidental release measures

6.1. Personal precaution, protective equipment and emergency procedures.

Personal precaution: Wear protective clothing, gloves eye and face protection. Eliminate all sources of ignition. Evacuate the area immediately.

6.2. Environmental precautions

Environmental precautions: Do not discharge into drains or rivers. Contain the spillage using bunding.

6.3. Method and material for containment and cleaning up

Clean-up procedures: Absorb into dry earth or sand. Dispose of according to the Local Authority Regulations.

6.4. Reference to other sections: None.

Section 7:

Handling and storage

7.1. Precaution for safe handling

Handling requirements: Ensure there is sufficient ventilation of the area. Smoking is forbidden.
Pressurised container: Do not pierce or burn, even after use.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions: Store in a cool, well ventilated area. Keep away from sources of ignition. Keep out of direct sunlight.

Suitable packaging: As supplied aerosol containers.

7.3. 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

Hazard ingredients:

Workplace exposure limits:

Sodium Nitrite		
Location	8 hour TWA	15 min. STEL
UK	Inhalation; Long term systemic effects: 2 mg/m ³	Inhalation; Short term systemic effects: 2 mg/m ³

Parfum (Fragrance)		
Location	8 hour TWA	15 min. STEL
UK	Not applicable	Not applicable

PETROLEUM GASES LIQUIFIED		
Location	8 hour TWA	15 min. STEL
UK	1750mg mg/m ³	2180mg mg/m ³

8.2. Exposure Control

Engineering measures: Ensure there is sufficient ventilation of the area, ensure lighting and electrical equipment are not a source of ignition. The floor of the storage room must be impermeable to prevent the escape of liquids.

Respiratory protection: Gas/vapour filter, type A: organic Vapours (EN141).

Hand protection: Use protective gloves to specification EN1149-5 compliant.

Eye protection: Tightly fitting safety goggles.

Skin protection: Protective clothing.

Environmental: Prevent from entering in public sewers or the immediate environment.

Section 9:

Physical and chemical properties

9.1. Physical and chemical properties

Physical State	Aerosol
Appearance(Aerosol)	Spray
Odour	Characteristic of variant
Ph	6.0 -8.0
Melting Point/Freezing Point	No data available
Boiling Point/Range	N/A (Aerosol)
Flash Point	-40°C
Evaporation Rate	No data available
Flammability (Solid, Gas)	No data available
Upper/Lower Flammability	No data available
Vapour Pressure	4.0 bar @20°C
Specific Gravity	0.780 -0.800
Water Solubility	Very soluble
Solubility Other Solvents	No data available
Partition Coefficient: n-octanol/water	No data available
Auto-Ignition Temperature	No data available
Viscosity	No data available
Explosive Properties	No data available
Oxidising Properties	No data available

9.2. Other information: No data available.

Section 10:

Stability and reactivity

10.1. Reactivity: Stable under recommended transport or storage conditions.

10.2. Chemical stability: Stable under normal conditions. Stable at room temperature.

10.3. Possibility of hazardous reaction: Hazardous reaction will not occur under normal transport or storage conditions.

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10.4. Conditions to avoid: Temperatures exceeding 50°C. should not be stored for long periods above 25°C.

10.5. Incompatible materials: None known.

10.6. Hazardous decomposition products: In combustion emits fumes of carbon dioxide/carbon monoxide.

Section 11

Toxicological information

11.1. Information on toxicological effects

Symptoms/routes of exposure

Skin contact: There may be irritation and redness at the site of contact.

Eye contact: There may be irritation and redness.

Ingestion: There may be soreness and redness of the mouth and throat.

Inhalation: There may be irritation of the throat with a feeling of tightness in the chest.

Delayed/immediate effects: Immediate effects can be expected after short-term exposure.

Acute Toxicity;	No known effect
Skin Corrosion/Irritation;	No known effect
Serious Eye Damage/Irritation;	No known effect
Respiratory Or Skin Sensitisation;	No known effect
Germ Cell Mutagenicity;	No known effect
Carcinogenicity;	No known effect
Reproductive Toxicity;	No known effect
STOT-Single Exposure;	No known effect

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STOT-Repeated Exposure;	No known effect
Aspiration Hazard;	No known effect

12. ECOLOGICAL INFORMATION

Product: The product itself has not been tested.

Toxicity: The ingredients in this formula have been reviewed and no adverse impact to the environment is to be expected when used according to label directions.

Toxicity to fish					
Component	CAS	End Point	Species	Value	Exposure Time
Sodium Nitrite	7632-00-0	LC50	Oncorhynchus mykiss (Rainbow trout)	0.54 mg/l	96 hours
Parfum	N/A	N/A	Very toxic to aquatic life with long lasting effects.		
Liquified petroleum gas	68476-85-7	LC50	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.		

Toxicity to aquatic invertebrates				
Component	CAS	End Point	Species	Value
Sodium Nitrite	7632-00-0	EC50	Daphnia magna	48 hours: 15.4 mg/l 96 hours: 4.93 mg/l
Parfum	N/A			No information available.
Liquified petroleum gas	68476-85-7		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.	

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Toxicity to aquatic plants					
Component	CAS	End Point	Species	Value	Component
Sodium Nitrite	7632-00-0	EC50	Scenedesmus subspicatus	72 hours: > 100 mg/l	
Parfum	N/A			No information available.	
Liquified petroleum gas	68476-85-7	No information available.	No information available.	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.	

Persistence and degradability		
Component	CAS	Biodegradation
Sodium Nitrite	7632-00-0	The product contains mainly inorganic substances which are not biodegradable.
Parfum	N/A	No information available.
Liquified petroleum gas	68476-85-7	Expected to be readily biodegradable. Oxidises rapidly by photo chemical reactions in air.

Bio accumulative Potential			
Component	CAS	Bio concentration factor (BCF)	Partition coefficient
Sodium Nitrite	7632-00-0	The product is not bio accumulating.	
Parfum	N/A	Not available.	
Liquified petroleum gas	68476-85-7	Not expected to bio accumulate significantly.	

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Mobility		
Component	CAS	End point
Sodium Nitrite	7632-00-0	The product is soluble in water.
Parfum	N/A	Not available.
Liquified petroleum gas	68476-85-7	Because of their extreme volatility, air is the only environmental compartment that hydrocarbon gases will be found.

PBT and vPvB assessment		
Component	CAS	Results
Sodium Nitrite	7632-00-0	This substance is not classified as PBT or vPvB according to current EU criteria.
Parfum	N/A	This substance does not meet the PBT/vPvB criteria of REACH, annex XIII.
Liquified petroleum gas	68476-85-7	The substance does not fulfil all screening criteria for persistence, bioaccumulation and toxicity and hence is not considered to be PBT or vPvB.

Other adverse effects: None known.

Section 13:

Disposal considerations

13.1. Waste treatment methods

Disposal operations: Dispose of as per the Local Authority Regulations.

Section 14: Transport information

Classified as dangerous goods for carriage under road/rail/sea/air regulations. This product is packed in accordance with the Limited Quantity Provisions of CDG, ADR and IMDG. These provisions allow transport of aerosols of less than 1 litre packed in cartons of less than 30kg gross weight to be exempt from control providing that they are labelled in accordance with the Limited Quantities requirements of these regulations.

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14.1. UN number: UN1950

14.2. UN proper shipping name: AEROSOLS

14.3. Transport hazard class(es): 2.1

14.4 Packing group: None allocated

14.5. Environmental hazards

Environmentally hazards: No

Marine pollutant: No

14.6. Special precautions for user: See section 8 for safe handling.

Section 15: Regulatory information

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

EU legislation.

The product is as classified under GHS/CLP- Regulation (EC) No 1272/2008 classification, labelling & packaging of substances & mixtures. Ingredients are listed with classification under GHS/CLP - Regulation (EC) No 1272/2008 classification, labelling & packaging of substances & mixtures.

15.2. Chemical safety assessment: No chemical safety assessment has been carried out as not applicable as this product is a mixture.

Section 16: Other information

Other information: This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Key literature references and sources for data

Material Safety Data Sheet, miscellaneous manufacturers.

SDS status: The hazard statements listed below in this section No 16 relate to the raw materials (ingredients) in the product (as listed in section 3) and NOT the product itself. For the hazard statements relating to this product see section 2.

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Hazard statements in full: H222 Extremely flammable gas.
H222 Extremely flammable aerosol.
H229 Pressurised container. May burst if heated.
H226 Flammable liquid and vapour.
H272 May intensify fire; oxidiser.
H280 Contains gas under pressure; may explode if heated.
H304 May be fatal if swallowed and enters airways.
H301 Toxic if swallowed, in contact with skin or if inhaled.
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H318 Causes serious eye damage.
H336 May cause drowsiness or dizziness.
H361 Suspected of damaging fertility or the unborn child.
H319 Causes serious eye irritation.
H400 Very toxic to aquatic life.
H411 Toxic to aquatic life with long lasting effects.
H410 Very toxic to aquatic life with long lasting effects.
H290 May be corrosive to metals.
H314 Causes severe skin burns and eye damage.

Abbreviations & Acronyms

ADN: European Agreement Concerning the International Carriage of Dangerous Goods by Inland waterways

ADR: European Agreement Concerning the International Carriage of Dangerous Goods by Road

CAS: Chemical Abstract Service Number

CDG: The Carriage of Dangerous Goods and Use of Transportable Pressure Equipment Regulations

CLP: Classification Labelling & Packaging Regulation (EC No. 1272/2008)

COMAH: Control of Major Accident Hazards

DSEAR: The Dangerous Substances and Explosive Atmospheres Regulations

EH40: Workplace exposure limits -Containing the list of workplace exposure limits for use with the Control of Substances Hazardous to Health Regulations

EINECS: European Inventory of Existing Commercial Chemical Substances

EN: European Standard

GHS: Global Harmonised System of Classification and Labelling of Chemicals

IMDG: International Maritime Dangerous Goods Code

OEL: Occupational Exposure Limit

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PBT: Persistent Bio accumulative and Toxic

vPvB: Very Persistent and Very Bio accumulative

PPE: Personal Protective Equipment

PSSR: The Pressure Systems Safety Regulations

REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals

RID: Regulations Concerning the International Carriage of Dangerous Goods by Rail

RIDDOR: Reporting of Injuries, Diseases and Dangerous Occurrences Regulations

STEL: Short-Term Exposure Limit

TWA: Time-Weighted Averages

WEL: Workplace Exposure Limit

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1.1 Product And Company Identification

Product Information: Insette Summer Rose's Air freshener

UFI Numbers: K810-X01F-F00H-YQFG

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

Use and substance /mixture: Air freshener

1.3. Details of the supplier of the safety data sheet

Company name: L.E.C. (L`pool) Ltd.,
Alfred Street,
Wavertree,
Liverpool.
L15 4LH
Tel: +44 (0)151 734 1411
Email: steve@insette.com

1.4. Emergency telephone number

Emergency tel: +44(0)151 734 1411

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Section 2: Hazards identification

2.1 Classification of the substance or mixture

Classification under CLP: Danger extremely flammable aerosol

Most important adverse effects: Extremely flammable
May cause an allergic skin reaction

2.2 Label elements

Hazard statements: H222: Danger: extremely flammable aerosol.

Signal words: Danger

Hazard pictograms: GHS02: Flame



Hazard Statements: H222 Extremely flammable aerosol.

Precautionary statements:

- P234 Keep only in original container.
- P260 Do not breathe vapour/ spray.
- P264 Wash contaminated skin thoroughly after handling.
- P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.
- P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
- P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower.
- P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
- P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P310 Immediately call a POISON CENTER/ doctor.
- P321 Specific treatment (see medical advice on this label).
- P363 Wash contaminated clothing before reuse.
- P390 Absorb spillage to prevent material damage.
- P501 Dispose of contents/ container in accordance with national regulations.
- P410+P412: Protect from sunlight. Do not expose to temperatures exceeding 50°C.

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2.3. Other hazards

Heating may cause an explosion which may cause a fire. Risk of explosion if heated.

Reactions with the following materials may generate heat: Strong acids.

Section 3:

Composition/information on ingredients

3.2 Mixtures

Hazardous ingredient:

Ingredient	EINECS	CAS	Reach number	CLP Classification	Percent
Sodium Nitrite	231-555-9	7632-00-0	01-2119471836-27	H272, H301, H400	0.0 -0.1%
Parfum(Fragrance)	n/a	n/a	Exempt	H315, H317, H319, H361, H411	0.1 -1.0%
PETROLEUM GASES, LIQUIFIED	270-704-2	68476-85-7	Exempt	H220; H280 Flammable Gas, Category 1	25 -50%

Section 4:

First aid measures

4.1. Description of first aid measures

Skin contact: Wash immediately with plenty of soap and water. Remove all contaminated clothes and footwear immediately unless stuck to skin. Drench the effected skin with running water for 10 minutes if substance is still on skin.

Eye contact: Bathe the eye with running water for about 15 minutes. If symptoms persist seek medical advice.

Ingestion: Do not induce vomiting. Wash out mouth with water. Give 1 cup of water to drink every 10 minutes. If symptoms persist seek medical advice.

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Inhalation: Move to fresh air in case of accidental inhalation of vapours. If symptoms persist seek medical advice.

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

General Information: The severity of the symptoms described will vary dependant on the concentration and length of exposure.

Skin contact: Prolonged contact may cause irritation and redness at the site of contact.

Eye contact: May cause irritation and redness.

Ingestion: No specific symptoms known, but may cause discomfort if swallowed.

Inhalation: In high concentration may cause breathing difficulties.

Delayed/immediate effects: Immediate effects can be expected after short-term exposure.

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

None.

Section 5:

Fire-fighting measures

5.1. Extinguishing media.

Extinguishing media: Use water spray to cool containers.

Carbon dioxide.

Dry chemical powder.

5.2. Special hazards arising from the substance or mixture

Exposure hazards: Extremely flammable.

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5.3. Advice for fire-fighters

Advice for fire-fighters: Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes. Fight fire remotely due to possible exploding aerosol containers.

Section 6

Accidental release measures

6.1. Personal precaution, protective equipment and emergency procedures.

Personal precaution: Wear protective clothing, gloves eye and face protection. Eliminate all sources of ignition. Evacuate the area immediately.

6.2. Environmental precautions

Environmental precautions: Do not discharge into drains or rivers. Contain the spillage using bunding.

6.3. Method and material for containment and cleaning up

Clean-up procedures: Absorb into dry earth or sand. Dispose of according to the Local Authority Regulations.

6.4. Reference to other sections: None.

Section 7:

Handling and storage

7.1. Precaution for safe handling

Handling requirements: Ensure there is sufficient ventilation of the area. Smoking is forbidden. Pressurised container: Do not pierce or burn, even after use.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions: Store in a cool, well ventilated area. Keep away from sources of ignition. Keep out of direct sunlight.

Suitable packaging: As supplied aerosol containers.

7.3. Specific end use(s): The identified uses for this product are detailed in section 1.2.

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Section 8:

Exposure control/personal protection

8.1. Control parameters

Hazard ingredients:

Workplace exposure limits:

Sodium Nitrite		
Location	8 hour TWA	15 min. STEL
UK	Inhalation; Long term systemic effects: 2 mg/m ³	Inhalation; Short term systemic effects: 2 mg/m ³

Parfum (Fragrance)		
Location	8 hour TWA	15 min. STEL
UK	Not applicable	Not applicable

PETROLEUM GASES LIQUIFIED		
Location	8 hour TWA	15 min. STEL
UK	1750mg mg/m ³	2180mg mg/m ³

8.2. Exposure Control

Engineering measures: Ensure there is sufficient ventilation of the area, ensure lighting and electrical equipment are not a source of ignition. The floor of the storage room must be impermeable to prevent the escape of liquids.

Respiratory protection: Gas/vapour filter, type A: organic Vapours (EN141).

Hand protection: Use protective gloves to specification EN1149-5 compliant.

Eye protection: Tightly fitting safety goggles.

Skin protection: Protective clothing.

Environmental: Prevent from entering in public sewers or the immediate environment.

Section 9:

Physical and chemical properties

9.1. Physical and chemical properties

Physical State	Aerosol
Appearance(Aerosol)	Spray
Odour	Characteristic of variant
Ph	6.0 -8.0
Melting Point/Freezing Point	No data available
Boiling Point/Range	N/A (Aerosol)
Flash Point	-40°C
Evaporation Rate	No data available
Flammability (Solid, Gas)	No data available
Upper/Lower Flammability	No data available
Vapour Pressure	4.0 bar @20°C
Specific Gravity	0.780 -0.800
Water Solubility	Very soluble
Solubility Other Solvents	No data available
Partition Coefficient: n-octanol/water	No data available
Auto-Ignition Temperature	No data available
Viscosity	No data available
Explosive Properties	No data available
Oxidising Properties	No data available

9.2. Other information: No data available.

Section 10:

Stability and reactivity

10.1. Reactivity: Stable under recommended transport or storage conditions.

10.2. Chemical stability: Stable under normal conditions. Stable at room temperature.

10.3. Possibility of hazardous reaction: Hazardous reaction will not occur under normal transport or storage conditions.

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10.4. Conditions to avoid: Temperatures exceeding 50°C should not be stored for long periods above 25°C.

10.5. Incompatible materials: None known.

10.6. Hazardous decomposition products: In combustion emits fumes of carbon dioxide/carbon monoxide.

Section 11

Toxicological information

11.1. Information on toxicological effects

Symptoms/routes of exposure

Skin contact: There may be irritation and redness at the site of contact.

Eye contact: There may be irritation and redness.

Ingestion: There may be soreness and redness of the mouth and throat.

Inhalation: There may be irritation of the throat with a feeling of tightness in the chest.

Delayed/immediate effects: Immediate effects can be expected after short-term exposure.

Acute Toxicity;	No known effect
Skin Corrosion/Irritation;	No known effect
Serious Eye Damage/Irritation;	No known effect
Respiratory Or Skin Sensitisation;	No known effect
Germ Cell Mutagenicity;	No known effect
Carcinogenicity;	No known effect
Reproductive Toxicity;	No known effect
STOT-Single Exposure;	No known effect

Managing Director: M.P. Johnson, C.O.O: S.C. Daly

Directors: L.M. Blackhurst, D.D. Dwyer,

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STOT-Repeated Exposure;	No known effect
Aspiration Hazard;	No known effect

12. ECOLOGICAL INFORMATION

Product: The product itself has not been tested.

Toxicity: The ingredients in this formula have been reviewed and no adverse impact to the environment is to be expected when used according to label directions.

Toxicity to fish					
Component	CAS	End Point	Species	Value	Exposure Time
Sodium Nitrite	7632-00-0	LC50	Oncorhynchus mykiss (Rainbow trout)	0.54 mg/l	96 hours
Parfum	N/A	N/A	Very toxic to aquatic life with long lasting effects.		
Liquified petroleum gas	68476-85-7	LC50	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.		

Toxicity to aquatic invertebrates				
Component	CAS	End Point	Species	Value
Sodium Nitrite	7632-00-0	EC50	Daphnia magna	48 hours: 15.4 mg/l 96 hours: 4.93 mg/l
Parfum	N/A			No information available.
Liquified petroleum gas	68476-85-7	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.		

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Phone: 0151 734 1411

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Toxicity to aquatic plants					
Component	CAS	End Point	Species	Value	Component
Sodium Nitrite	7632-00-0	EC50	Scenedesmus subspicatus	72 hours: > 100 mg/l	
Parfum	N/A			No information available.	
Liquified petroleum gas	68476-85-7	No information available.	No information available.	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.	

Persistence and degradability		
Component	CAS	Biodegradation
Sodium Nitrite	7632-00-0	The product contains mainly inorganic substances which are not biodegradable.
Parfum	N/A	No information available.
Liquified petroleum gas	68476-85-7	Expected to be readily biodegradable. Oxidises rapidly by photo chemical reactions in air.

Bio accumulative Potential			
Component	CAS	Bio concentration factor (BCF)	Partition coefficient
Sodium Nitrite	7632-00-0	The product is not bio accumulating.	
Parfum	N/A	Not available.	
Liquified petroleum gas	68476-85-7	Not expected to bio accumulate significantly.	

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Mobility		
Component	CAS	End point
Sodium Nitrite	7632-00-0	The product is soluble in water.
Parfum	N/A	Not available.
Liquified petroleum gas	68476-85-7	Because of their extreme volatility, air is the only environmental compartment that hydrocarbon gases will be found.

PBT and vPvB assessment		
Component	CAS	Results
Sodium Nitrite	7632-00-0	This substance is not classified as PBT or vPvB according to current EU criteria.
Parfum	N/A	This substance does not meet the PBT/vPvB criteria of REACH, annex XIII.
Liquified petroleum gas	68476-85-7	The substance does not fulfil all screening criteria for persistence, bioaccumulation and toxicity and hence is not considered to be PBT or vPvB.

Other adverse effects: None known.

Section 13:

Disposal considerations

13.1. Waste treatment methods

Disposal operations: Dispose of as per the Local Authority Regulations.

Section 14: Transport information

Classified as dangerous goods for carriage under road/rail/sea/air regulations. This product is packed in accordance with the Limited Quantity Provisions of CDG, ADR and IMDG. These provisions allow transport of aerosols of less than 1 litre packed in cartons of less than 30kg gross weight to be exempt from control providing that they are labelled in accordance with the Limited Quantities requirements of these regulations.

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14.1. UN number: UN1950

14.2. UN proper shipping name: AEROSOLS

14.3. Transport hazard class(es): 2.1

14.4. Packing group: None allocated

14.5. Environmental hazards

Environmentally hazards: No

Marine pollutant: No

14.6. Special precautions for user: See section 8 for safe handling.

Section 15: Regulatory information

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

EU legislation.

The product is as classified under GHS/CLP- Regulation (EC) No 1272/2008 classification, labelling & packaging of substances & mixtures. Ingredients are listed with classification under GHS/CLP - Regulation (EC) No 1272/2008 classification, labelling & packaging of substances & mixtures.

15.2. Chemical safety assessment: No chemical safety assessment has been carried out as not applicable as this product is a mixture.

Section 16: Other information

Other information: This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Key literature references and sources for data

Material Safety Data Sheet, miscellaneous manufacturers.

SDS status: The hazard statements listed below in this section No 16 relate to the raw materials (ingredients) in the product (as listed in section 3) and NOT the product itself. For the hazard statements relating to this product see section 2.

Managing Director: M.P. Johnson, C.O.O: S.C. Daly

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Hazard statements in full: H222 Extremely flammable gas.
H222 Extremely flammable aerosol.
H229 Pressurised container. May burst if heated.
H226 Flammable liquid and vapour.
H272 May intensify fire; oxidiser.
H280 Contains gas under pressure; may explode if heated.
H304 May be fatal if swallowed and enters airways.
H301 Toxic if swallowed, in contact with skin or if inhaled.
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H318 Causes serious eye damage.
H336 May cause drowsiness or dizziness.
H361 Suspected of damaging fertility or the unborn child.
H319 Causes serious eye irritation.
H400 Very toxic to aquatic life.
H411 Toxic to aquatic life with long lasting effects.
H410 Very toxic to aquatic life with long lasting effects.
H290 May be corrosive to metals.
H314 Causes severe skin burns and eye damage.

Abbreviations & Acronyms

ADN: European Agreement Concerning the International Carriage of Dangerous Goods by Inland waterways

ADR: European Agreement Concerning the International Carriage of Dangerous Goods by Road

CAS: Chemical Abstract Service Number

CDG: The Carriage of Dangerous Goods and Use of Transportable Pressure Equipment Regulations

CLP: Classification Labelling & Packaging Regulation (EC No. 1272/2008)

COMAH: Control of Major Accident Hazards

DSEAR: The Dangerous Substances and Explosive Atmospheres Regulations

EH40: Workplace exposure limits -Containing the list of workplace exposure limits for use with the Control of Substances Hazardous to Health Regulations

EINECS: European Inventory of Existing Commercial Chemical Substances

EN: European Standard

GHS: Global Harmonised System of Classification and Labelling of Chemicals

IMDG: International Maritime Dangerous Goods Code

OEL: Occupational Exposure Limit

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PBT: Persistent Bio accumulative and Toxic

vPvB: Very Persistent and Very Bio accumulative

PPE: Personal Protective Equipment

PSSR: The Pressure Systems Safety Regulations

REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals

RID: Regulations Concerning the International Carriage of Dangerous Goods by Rail

RIDDOR: Reporting of Injuries, Diseases and Dangerous Occurrences Regulations

STEL: Short-Term Exposure Limit

TWA: Time-Weighted Averages

WEL: Workplace Exposure Limit

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Directors: L.M. Blackhurst, D.D. Dwyer,

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1.1 Product And Company Identification

Product Information: Insette Wild Berries Air Freshener

UFI: M800-UORP-S00K-1MFQ

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

Use and substance /mixture: Air Freshener

1.3. Details of the supplier of the safety data sheet

Company name: L.E.C. (L`pool) Ltd.,
Alfred Street,
Wavertree,
Liverpool,
L15 4LH
Tel: +44 (0)151 734 1411
Email: steve@insette.com

1.4. Emergency telephone number

Emergency tel: +44(0)151 734 1411

Managing Director: M.P. Johnson, C.O.O: S.C. Daly

Directors: L.M. Blackhurst, D.D. Dwyer,

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Section 2: Hazards identification

2.1 Classification of the substance or mixture

Classification under CLP: Danger extremely flammable aerosol

Most important adverse effects: Extremely flammable
May cause an allergic skin reaction

2.2 Label elements

Hazard statements: H222: Danger: extremely flammable aerosol.

Signal words: Danger

Hazard pictograms: GHS02: Flame



Hazard Statements: H222 Extremely flammable aerosol

Precautionary statements: P234 Keep only in original container.
P260 Do not breathe vapour / spray.
P264 Wash contaminated skin thoroughly after handling.
P280 Wear protective gloves / protective clothing / eye protection / face protection.
P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water / shower.
P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310 Immediately call a POISON CENTER / doctor.
P321 Specific treatment (see medical advice on this label).
P363 Wash contaminated clothing before reuse.
P390 Absorb spillage to prevent material damage.

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

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

2.3. Other hazards

Heating may cause an explosion which may cause a fire. Risk of explosion if heated.

Reactions with the following materials may generate heat: Strong acids.

Section 3:

Composition/information on ingredients

3.2 Mixtures

Hazardous ingredient:

Ingredient	EINECS	CAS	Reach number	CLP Classification	Percent
Sodium Nitrite	231-555-9	7632-00-0	01-2119471836-27	H272, H301, H400	0.0 -0.1%
Parfum (Fragrance)	n/a	n/a	Exempt	H315, H317, H319, H361, H411	0.1 -1.0%
PETROLEUM GASES, LIQUIFIED	270-704-2	68476-85-7	Exempt	H220; H280 Flammable Gas, Category 1	25 -50%

Section 4:

First aid measures

4.1. Description of first aid measures

Skin contact: Wash immediately with plenty of soap and water. Remove all contaminated clothes and footwear immediately unless stuck to skin. Drench the effected skin with running water for 10 minutes if substance is still on skin.

Eye contact: Bathe the eye with running water for about 15 minutes. If symptoms persist seek medical advice.

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Ingestion: Do not induce vomiting. Wash out mouth with water. Give 1 cup of water to drink every 10 minutes. If symptoms persist seek medical advice.

Inhalation: Move to fresh air in case of accidental inhalation of vapours. If symptoms persist seek medical advice.

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

General Information: The severity of the symptoms described will vary dependant on the concentration and length of exposure.

Skin contact: Prolonged contact may cause irritation and redness at the site of contact.

Eye contact: May cause irritation and redness.

Ingestion: No specific symptoms known, but may cause discomfort if swallowed.

Inhalation: In high concentration may cause breathing difficulties.

Delayed/immediate effects: Immediate effects can be expected after short-term exposure.

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

None.

Section 5:

Fire-fighting measures

5.1. Extinguishing media.

Extinguishing media:

Use water spray to cool containers.

Carbon dioxide.

Dry chemical powder.

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5.2. Special hazards arising from the substance or mixture

Exposure hazards: Extremely flammable.

5.3. Advice for fire-fighters

Advice for fire-fighters: Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes. Fight fire remotely due to possible exploding aerosol containers.

Section 6

Accidental release measures

6.1. Personal precaution, protective equipment and emergency procedures.

Personal precaution: Wear protective clothing, gloves eye and face protection. Eliminate all sources of ignition. Evacuate the area immediately.

6.2. Environmental precautions

Environmental precautions: Do not discharge into drains or rivers. Contain the spillage using bunding.

6.3. Method and material for containment and cleaning up

Clean-up procedures: Absorb into dry earth or sand. Dispose of according to the Local Authority Regulations.

6.4. Reference to other sections: None.

Section 7:

Handling and storage

7.1. Precaution for safe handling

Handling requirements: Ensure there is sufficient ventilation of the area. Smoking is forbidden. Pressurised container: Do not pierce or burn, even after use.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions: Store in a cool, well-ventilated area. Keep away from sources of ignition. Keep out of direct sunlight.

Suitable packaging: As supplied aerosol containers.

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7.3. 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

Hazard ingredients:

Workplace exposure limits:

Sodium Nitrite		
Location	8-hour TWA	15 min. STEL
UK	Inhalation; Long term systemic effects: 2 mg/m ³	Inhalation; Short term systemic effects: 2 mg/m ³

Parfum (Fragrance)		
Location	8-hour TWA	15 min. STEL
UK	Not applicable	Not applicable

PETROLEUM GASES LIQUIFIED		
Location	8-hour TWA	15 min. STEL
UK	1750mg mg/m ³	2180mg mg/m ³

8.2. Exposure Control

Engineering measures: Ensure there is sufficient ventilation of the area, ensure lighting and electrical equipment are not a source of ignition. The floor of the storage room must be impermeable to prevent the escape of liquids.

Respiratory protection: Gas/vapour filter, type A: organic Vapours (EN141).

Hand protection: Use protective gloves to specification EN1149-5 compliant.

Eye protection: Tightly fitting safety goggles.

Skin protection: Protective clothing.

Environmental: Prevent from entering in public sewers or the immediate environment.

Section 9:

Physical and chemical properties

9.1. Physical and chemical properties

Physical State	Aerosol
Appearance(Aerosol)	Spray
Odour	Characteristic of variant
Ph	6.0 -8.0
Melting Point/Freezing Point	No data available
Boiling Point/Range	N/A (Aerosol)
Flash Point	-40°C
Evaporation Rate	No data available
Flammability (Solid, Gas)	No data available
Upper/Lower Flammability	No data available
Vapour Pressure	4.0 bar @20°C
Specific Gravity	0.780 -0.800
Water Solubility	Very soluble
Solubility Other Solvents	No data available
Partition Coefficient: n-octanol/water	No data available
Auto-Ignition Temperature	No data available
Viscosity	No data available
Explosive Properties	No data available
Oxidising Properties	No data available

9.2. Other information: No data available.

Section 10:

Stability and reactivity

10.1. Reactivity: Stable under recommended transport or storage conditions.

10.2. Chemical stability: Stable under normal conditions. Stable at room temperature.

10.3. Possibility of hazardous reaction: Hazardous reaction will not occur under normal transport or storage conditions.

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10.4. Conditions to avoid: Temperatures exceeding 50°C. Should not be stored for long periods above 25°C.

10.5. Incompatible materials: None known.

10.6. Hazardous decomposition products: In combustion emits fumes of carbon dioxide/carbon monoxide.

Section 11

Toxicological information

11.1. Information on toxicological effects

Symptoms/routes of exposure

Skin contact: There may be irritation and redness at the site of contact.

Eye contact: There may be irritation and redness.

Ingestion: There may be soreness and redness of the mouth and throat.

Inhalation: There may be irritation of the throat with a feeling of tightness in the chest.

Delayed/immediate effects: Immediate effects can be expected after short-term exposure.

Acute Toxicity;	No known effect
Skin Corrosion/Irritation;	No known effect
Serious Eye Damage/Irritation;	No known effect
Respiratory Or Skin Sensitisation;	No known effect
Germ Cell Mutagenicity;	No known effect
Carcinogenicity;	No known effect
Reproductive Toxicity;	No known effect
STOT-Single Exposure;	No known effect
STOT-Repeated Exposure;	No known effect

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Aspiration Hazard;	No known effect
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12. ECOLOGICAL INFORMATION

Product: The product itself has not been tested.

Toxicity: The ingredients in this formula have been reviewed and no adverse impact to the environment is to be expected when used according to label directions.

Toxicity to fish					
Component	CAS	End Point	Species	Value	Exposure Time
Sodium Nitrite	7632-00-0	LC50	Onchorhynchus mykiss (Rainbow trout)	0.54 mg/l	96 hours
Parfum	N/A	N/A	Very toxic to aquatic life with long lasting effects.		
Liquified petroleum gas	68476-85-7	LC50	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.		

Toxicity to aquatic invertebrates				
Component	CAS	End Point	Species	Value
Sodium Nitrite	7632-00-0	EC50	Daphnia magna	48 hours: 15.4 mg/l, 96 hours: 4.93 mg/l
Parfum	N/A			No information available

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Liquified petroleum gas	68476-85-7	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.
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Toxicity to aquatic plants					
Component	CAS	End Point	Species	Value	Component
Sodium Nitrite	7632-00-0	EC50	Scenedesmus subspicatus	72 hours: > 100 mg/l	
Parfum	N/A			No information available.	
Liquified petroleum gas	68476-85-7	No information available.	No information available.		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.

Persistence and degradability		
Component	CAS	Biodegradation
Sodium Nitrite	7632-00-0	The product contains mainly inorganic substances which are not biodegradable.
Parfum	N/A	No information available.
Liquified petroleum gas	68476-85-7	Expected to be readily biodegradable. Oxidises rapidly by photo chemical reactions in air.

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Bio accumulative Potential			
Component	CAS	Bio concentration factor (BCF)	Partition coefficient
Sodium Nitrite	7632-00-0	The product is not bio accumulating.	
Parfum	N/A	Not available.	
Liquified petroleum gas	68476-85-7	Not expected to bio accumulate significantly.	

Mobility		
Component	CAS	End point
Sodium Nitrite	7632-00-0	The product is soluble in water.
Parfum	N/A	Not available
Liquified petroleum gas	68476-85-7	Because of their extreme volatility, air is the only environmental compartment that hydrocarbon gases will be found.

PBT and vPvB assessment		
Component	CAS	Results
Sodium Nitrite	7632-00-0	This substance is not classified as PBT or vPvB according to current EU criteria.
Parfum	N/A	This substance does not meet the PBT/vPvB criteria of REACH, annex XIII.
Liquified petroleum gas	68476-85-7	The substance does not fulfil all screening criteria for persistence, bioaccumulation and toxicity and hence is not considered to be PBT or vPvB.

Other adverse effects: None known.

Managing Director: M.P. Johnson, C.O.O: S.C. Daly

Directors: L.M. Blackhurst, D.D. Dwyer,

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Section 13:

Disposal considerations

13.1. Waste treatment methods

Disposal operations: Dispose of as per the Local Authority Regulations.

Section 14: Transport information

Classified as dangerous goods for carriage under road/rail/sea/air regulations. This product is packed in accordance with the Limited Quantity Provisions of CDG, ADR and IMDG. These provisions allow transport of aerosols of less than 1 litre packed in cartons of less than 30kg gross weight to be exempt from control providing that they are labelled in accordance with the Limited Quantities requirements of these regulations.

14.1. UN number: UN1950

14.2. UN proper shipping name: AEROSOLS

14.3. Transport hazard class(es): 2.1

14.4 Packing group: None allocated

14.5. Environmental hazards

Environmentally hazards: No

Marine pollutant: No

14.6. Special precautions for user: See section 8 for safe handling.

Section 15: Regulatory information

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

EU legislation.

The product is as classified under GHS/CLP-Regulation (EC) No 1272/2008 classification, labelling & packaging of substances & mixtures. Ingredients are listed with classification under GHS/CLP - Regulation (EC) No 1272/2008 classification, labelling & packaging of substances & mixtures.

15.2. Chemical safety assessment: No chemical safety assessment has been carried out as not applicable as this product is a mixture.

Managing Director: M.P. Johnson, C.O.O: S.C. Daly

Directors: L.M. Blackhurst, D.D. Dwyer,

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Section 16: Other information

Other information: This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Key literature references and sources for data

Material Safety Data Sheet, miscellaneous manufacturers.

SDS status: The hazard statements listed below in this section no 16 relate to the raw materials (ingredients) in the product (as listed in section 3) and NOT the product itself. For the hazard statements relating to this product see section 2.

Hazard statements in full: H222 Extremely flammable gas.

H222 Extremely flammable aerosol.

H229 Pressurised container. May burst if heated.

H226 Flammable liquid and vapour.

H272 May intensify fire; oxidiser.

H280 Contains gas under pressure; may explode if heated.

H304 May be fatal if swallowed and enters airways.

H301 Toxic if swallowed, in contact with skin or if inhaled.

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H318 Causes serious eye damage.

H336 May cause drowsiness or dizziness.

H361 Suspected of damaging fertility or the unborn child.

H319 Causes serious eye irritation.

H400 Very toxic to aquatic life.

H411 Toxic to aquatic life with long lasting effects.

H410 Very toxic to aquatic life with long lasting effects.

H290 May be corrosive to metals.

H314 Causes severe skin burns and eye damage.

Managing Director: M.P. Johnson, C.O.O: S.C. Daly

Directors: L.M. Blackhurst, D.D. Dwyer,

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Abbreviations & Acronyms

ADN: European Agreement Concerning the International Carriage of Dangerous Goods by Inland waterways

ADR: European Agreement Concerning the International Carriage of Dangerous Goods by Road

CAS: Chemical Abstract Service Number

CDG: The Carriage of Dangerous Goods and Use of Transportable Pressure Equipment Regulations

CLP: Classification Labelling & Packaging Regulation (EC No. 1272/2008)

COMAH: Control of Major Accident Hazards

DSEAR: The Dangerous Substances and Explosive Atmospheres Regulations

EH40: Workplace exposure limits -Containing the list of workplace exposure limits for use with the Control of Substances Hazardous to Health Regulations

EINECS: European Inventory of Existing Commercial Chemical Substances

EN: European Standard

GHS: Global Harmonised System of Classification and Labelling of Chemicals

IMDG: International Maritime Dangerous Goods Code

OEL: Occupational Exposure Limit

PBT: Persistent Bio accumulative and Toxic

vPvB: Very Persistent and Very Bio accumulative

PPE: Personal Protective Equipment

PSSR: The Pressure Systems Safety Regulations

REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals

RID: Regulations Concerning the International Carriage of Dangerous Goods by Rail

RIDDOR: Reporting of Injuries, Diseases and Dangerous Occurrences Regulations

STEL: Short-Term Exposure Limit

TWA: Time-Weighted Averages

WEL: Workplace Exposure Limit

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