

SAFETY DATA SHEET according to regulation (EC) No.1907/2006

SECTION 1: Identification of the substance/mixture and company

1.1. Product Identifier

Product code: J5ZAF
Name: Floral Fresh

1.2. Product Uses Bactericidal air freshener concentrate.

1.3. Supplier

Quadralene Ltd
Bateman Street
Derby
DE23 8JL

Phone: 01332 292500
Web: www.quadralene.co.uk
Fax: 01332 295941
Email: info@quadralene.co.uk

1.4. Emergency telephone number

Emergency telephone number: 01332 292402

SECTION 2: Hazards identification (Undiluted product)

2.1. Classification of the mixture

According to 1272/2008

Health Hazards: Eye Dam. 1, Skin Irrit. 2, Skin Sens. 1

Physical Hazards: Not Classified

Environmental Hazards: Aquatic Chronic 3

2.2. Label elements

According to 1272/2008

Danger



H318 Causes serious eye damage

H315 Causes skin irritation

H317 May cause an allergic skin reaction

H412 Harmful to aquatic life with long lasting effects

EUH208 Contains Geraniol, Limonene, Citral, Hydroxycitronellol, Amyl cinnamal, Benzyl cinnamate and Terpene hydrocarbon. May produce an allergic reaction

P261 Avoid breathing mist/vapours/spray.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P302 + P352 IF ON SKIN: Wash with plenty of water.

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P333 + P313 If skin irritation or rash occurs: Get medical advice/attention.

P362 + P364 Take off contaminated clothing and wash it before reuse.

P405 Store locked up.

2.3. Other hazards

SECTION 3: Composition/ information on ingredients

Material	CAS number	Level	Hazards (see section 16)	
Benzalkonium chloride	68424-85-1	1-5%	Acute Tox. 4, Aquatic Acute 1, Skin Corr. 1B	H302 H312 H314 H400
Nonionic surfactant	68131-39-5	5-15%	Acute Tox. 4, Eye Dam. 1	H302 H318
Fragrance compound (see section 16)	Mixture	5-15%	Aquatic Chronic 2, Eye Dam. 1, Skin Irrit. 2, Skin Sens. 1	H315 H318 H317 H411 EUH208

SECTION 4: First aid measures

4.1. Description of first aid measures

- Eye contact: Immediately flush eyes with water, holding eyelids apart, for at least 10 minutes. Seek medical assistance immediately.
- Skin contact: Remove contaminated clothing, wash skin with soap and water. Seek medical attention if irritation persists.
- Inhalation: If irritation occurs, remove to fresh air, keep warm and at rest, seek medical attention immediately.
- Ingestion: Do not induce vomiting. If conscious, give water to drink. Seek medical assistance immediately.

First aider PPE: As required to prevent contact. See section 8.2.

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

- Eye hazard: Will cause severe damage.
- Skin hazard: Irritating to skin. May cause an allergic reaction.
- Respiratory hazard: Breathing spray mist may cause irritation.
- Other hazards:

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

No special treatment or attention required additional to section 4.2.

SECTION 5: Fire fighting measures

Flammability hazard: Not combustible.

5.1. Extinguishing media

No special requirements. As appropriate for the fire.

5.2. Special hazards arising from the mixture

No specific hazards arising from the mixture.

5.3. Advice for firefighters

No special measures arising from the mixture.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Take precautions to avoid contact. Use Personal Protective Equipment as detailed in section 8
Spillage may make floors slippery. Keep the area clear. Observe regulations.

6.2. Environmental precautions

Prevent spills from entering water courses.

6.3. Methods and material for containment and cleaning up

Small quantities, flush to foul sewer with a large quantity of water.
Large quantities, contain and absorb or pump into suitable containers for disposal.

6.4. Reference to other sections

Observe the advice given in sections 8 and 13

SECTION 7: Handling and storage

Shelf life: 24 months in original sealed containers.

7.1. Precautions for safe handling

Do not mix with other products. Observe good industrial hygiene.

7.2. Conditions for safe storage, including any incompatibilities

Store in a cool, dry place protected from frost and away from acids and strong oxidising agents. Store upright in original containers. Recommended storage temperature 5-25°C.

7.3. Product Uses

Dilute one part with 50 equal parts of water for spraying rooms, toilets and vehicle interiors. Alternatively, apply a little of the undiluted product to absorbent pads in air diffusion equipment.

Neat product may cause staining if spilled.

Please refer to product safety data sheet before use. Use only as directed.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Workplace exposure limits

None set in UK Eh40

8.2. Exposure controls

These measures are suggested on the basis of general use methods and may not be appropriate to all potential uses of the product. The user is responsible for carrying out a full risk assessment of their specific processes and systems of work.

Eye protection:	Wear eye protection appropriate to the process according to BS EN 166.
Hand protection:	Wear nitrile or neoprene gloves. Exact choice of glove depends on specific risk assessments.
Body protection:	As necessary to prevent contact.
Respiratory protection:	Use in a well ventilated area, avoid breathing spray mist, wear a protective mask to EN149 if necessary.
Other protection:	

Personal protective equipment:



Exact PPE requirements should be determined from a specific risk assessment of the processes being carried out.

Environmental protection: Prevent mixture from entering water courses.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance:	Red liquid	
Odour:	Strong, bouquet	
pH (typical):	7.3	1% in water (typical).
Initial boiling point:	100°C.	Flash point: Not applicable.
Auto-ignition temp:	Not applicable.	Viscosity: Free flowing.
Explosive properties:	Not applicable.	
Oxidising properties:	Not applicable.	
Vapour pressure:	17.5mm Hg at 20°C.	
Solubility:	Miscible with water.	
Relative density at 20° C (typical):	1.012	

9.2. Other information

SECTION 10: Stability and reactivity

- 10.1. Reactivity** Incompatible with strong oxidising agents and acids.
- 10.2. Chemical stability** Stable under recommended storage conditions.
- 10.3. Possibility of hazardous reactions** No hazardous reactions are expected to occur.
- 10.4. Conditions to avoid** Extremes of temperature.
- 10.5. Incompatible materials** Incompatible with strong oxidising agents and acids.
- 10.6. Hazardous decomposition products** May produce toxic fumes in fire.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

- Acute toxicity: Based on available data, the classification criteria are not met.
- Skin corrosion/ irritation: Mixture is classified as Skin Irrit. 2. See section 2.
- Serious eye damage/ irritation: Mixture is classified as Eye Dam. 1. See section 2.
- Respiratory or skin sensitisation: Mixture is classified as Skin Sens. 1. See section 2.
- Germ cell mutagenicity: Does not contain any ingredients classified as mutagenic.
- Carcinogenicity: Does not contain any ingredients classified as carcinogenic.
- Reproductive toxicity: Does not contain any ingredients classified as toxic for reproduction.
- STOT single exposure: Based on available data, the classification criteria are not met.
- STOT repeated exposure: Does not contain any ingredients classified as STOT RE.
- Aspiration toxicity: Based on available data, the classification criteria are not met.

Routes of exposure/ symptoms

- Eye contact: Will cause severe damage.
- Skin contact: Irritating to skin. May cause an allergic reaction.
- Inhalation: Breathing spray mist may cause irritation.
- Ingestion: Moderate toxicity, will cause irritation to gastro-intestinal tract.

SECTION 12: Ecological information

- 12.1. Toxicity** This product has microbiocidal properties. Large quantities may affect biological treatment plants.
- 12.2. Persistence and degradability** Harmful to aquatic life with long lasting effects
- 12.3. Bioaccumulative potential** Not expected to bioaccumulate
- 12.4. Mobility in soil** This product has high water solubility
- 12.5. Results of PBT and vPvB assessment** Contains no ingredients classified as PBT or vPvB.
- 12.6. Other adverse effects** No other adverse effects are anticipated.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Dispose of surplus product and packaging via a licenced chemical waste contractor.

SECTION 14: Transport information

- 14.1. UN number** Not classified **14.2. UN proper shipping name** N/a
- 14.3. Transport hazard class(es)** N/a **14.4. Packing group** Na
- 14.5. Environmental hazards** Not classified as environmentally hazardous for transport
- 14.6. Special precautions for user** No specific precautions.
- 14.7. Transport in bulk according to Annex II of MARPOL 7 3/78 and the IBC Code** Not available for bulk transport.

SECTION 15: Regulatory information

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

Contents according to (EC) regulation No.648/2004 on detergents:

Nonionic surfactants	<5%	Disinfectant
Cationic surfactants	<5%	
Perfume		

15.2. Chemical safety assessment A chemical safety assessment has not been carried out.

SECTION 16: Other information

Hazard statements relating to ingredients (see section 3)

H302 Harmful if swallowed

H312 Harmful in contact with skin

H314 Causes severe skin burns and eye damage

H400 Very toxic to aquatic life

H318 Causes serious eye damage

H315 Causes skin irritation

H317 May cause an allergic skin reaction

H411 Toxic to aquatic life with long lasting effects

EUH208 Contains <name of sensitising substance>. May produce an allergic reaction

Fragrance compound contains the following materials that are classified as Skin Sens. Amyl cinnamal CAS 122-40-7, benzyl cinnamate CAS 103-41-3, citral CAS 5392-40-5, citronellol CAS 106-22-9, coumarin CAS 91-64-5, geraniol CAS 106-24-1, hydroxycitronellal CAS 107-75-5, Limonene CAS 5989-27-5, terpene hydrocarbon CAS 68956-56-9, benzyl salicylate CAS 118-58-1 and Pin-2(3)-ene CAS 127-91-3.

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This product should be stored, handled and used in accordance with good industrial practice and in conformity with legal regulations. The information in this data sheet is based on the present state of our knowledge and is intended to describe products from the point of view of safety requirements and thus should not be construed as guaranteeing specific properties. It is for users to satisfy themselves of the suitability of this product for their own applications.

