

## SAFETY DATA SHEET

Compiled in accordance with REACH Regulation (EC) No 1907/2006, as amended by UK REACH Regulations SI 2019/758

### SECTION 1: Identification of the Substance/Mixture and of the Company/Undertaking

#### 1.1. Product Identifier

Zoflora Concentrated Disinfectant (All Perfumes) – 9405771

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

Household disinfectant.

### SECTION 2: Hazards Identification

#### 2.1. Classification of the substance or mixture

According to Regulation (EC) No. 1272/2008 (GB-CLP) the mixture is classified as Flammable Liquid Category 2, Skin Irritant Category 2, Eye Irritant Category 2 and Hazardous to Aquatic Environment – Chronic Hazard Category 3.

#### 2.2. Label elements



Pictogram(s):

Signal Word:

Danger

Hazard Classification:

Flammable Liquid Category 2  
Skin Irritant Category 2  
Eye Irritant Category 2  
Hazardous to Aquatic Environment Chronic Category 3

Hazard Statements:

H225: Highly flammable liquid and vapour  
H315: Causes skin irritation  
H319: Causes serious eye irritation  
H412: Harmful to aquatic life with long lasting effects

Precautionary Statements:

P101: If medical advice is needed, have product container or label at hand.  
P102: Keep out of reach of children.  
P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources, no smoking.  
P280: Wear protective gloves/eye protection.  
P305+351+338: IN IN EYES – rinse continuously with water for several minutes, remove contact lenses if present and easy to do so – continue rinsing.  
P337+313: Get medical advice/attention.

P501: Dispose of contents by pouring down drain with plenty of water, empty containers can be disposed of by recycling where possible, contact your local council for details.

EUH Statements: EUH208: Contains (see section 2.2.1). May produce an allergic reaction.

### 2.2.1 Supplemental Hazard Information Relating to Perfumes

Blackcurrant & Jasmine:	Contains 4-tert-butylcyclohexyl acetate, linalool, linalyl acetate and hydroxycitronellol. May produce an allergic reaction.
Bluebell Woods:	Contains linalool, benzyl salicylate, hexylcinnamaldehyde, limonene, and citronellol. May produce an allergic reaction.
Bouquet:	Contains nopyl acetate, hexylcinnamaldehyde, geraniol, cedryl methyl ether and linalyl acetate. May produce an allergic reaction.
Coconut and Lime	Contains hexylcinnamaldehyde, linalool and delta-damascone. May produce an allergic reaction.
Country Garden:	Contains benzyl salicylate, tetramethyl acetyloctahydronaphthalenes and citronellol. May produce an allergic reaction.
Cranberry and Orange:	Contains limonene, eugenol, coumarin and ethyl 2,3-epoxy-3-phenylbutyrate. May produce an allergic reaction.
Cucumber & Mint	Contains mhexylcinnamaldehyde, linalool, geraniol, tetramethyl acetyloctahydronaphthalenes, citronellol, menthone, geranyl acetate and hexyl salicylate. May produce an allergic reaction.
Cypress and Sea Sage:	Contains linalool, limonene, and benzyl salicylate. May produce an allergic reaction.
Fig & Cedar:	Contains Cinnamaldehyde, linalool, hexylcinnamaldehyde and citronellol. May produce an allergic reaction.
Fir Needle & Amber:	Contains limonene and 4-tert-butylcyclohexyl acetate. May produce an allergic reaction.
Frosted Peppermint:	Contains linalool and trans-menthone. May produce an allergic reaction.
Green Valley:	Contains Linalool, pentamethylheptenone and hydrocinnamaldehyde. May produce an allergic reaction.
Hello Spring:	Contains hexylcinnamaldehyde, citronellol, butylbenzyl propionaldehyde and delta-damascone. May produce an allergic reaction.
Honeysuckle and Jasmine:	Contains hexylcinnamaldehyde, citronellol, benzyl salicylate, limonene, linalool, butylbenzyl propionaldehyde and geraniol. May produce an allergic reaction.
Lavender:	Contains linalyl acetate, cineole, Tetrahydrolinalool, tetramethyl acetyloctahydronaphthalenes, linalool and limonene. May produce an allergic reaction.
Lavender Escape:	Contains citronellol, geraniol, limonene, nerol, cineole and linalool. May produce an allergic reaction.
Lemon Zing:	Contains linalool, citral and geraniol. May produce an allergic reaction.

Linen Fresh:	Contains linalool, benzyl salicylate, tetramethyl acetyloctahydronaphthalenes and linalyl acetate. May produce an allergic reaction.
Mandarin & Lime:	Contains linalool, limonene, hexylcinnamaldehyde, linalyl acetate and dihydromyrcene. May produce an allergic reaction.
Midnight Blooms:	Contains linalool and longifolene. May produce an allergic reaction.
Orchard Pear:	Contains linalool, hexylcinnamaldehyde, limonene and cyclamen aldehyde. May produce an allergic reaction.
Paradise Peach:	Contains citronellol, limonene, linalool, nerol and hexylcinnamaldehyde. May produce an allergic reaction.
Peony Blush:	Contains hexylcinnamaldehyde, citronellol, linalool, dipentene, geraniol and d-damascone. May produce an allergic reaction.
Pink Grapefruit:	Contains linalool, limonene and hexylcinnamaldehyde. May produce an allergic reaction.
Raspberry & Juniper Berry:	Contains linalool, tetramethyl acetyloctahydronaphthalenes, hexyl cinnamal, citronellol and tetrahydrolinalool. May cause an allergic reaction.
Rhubarb & Bergamot	Contains linalool, limonene, linalyl acetate, geraniol and citronellol. May produce an allergic reaction.
Rhubarb & Cassis	Contains 4-tert-butylcyclohexyl acetate, benzyl salicylate, linalyl acetate, hexyl salicylate, limonene and bis(cyclohexylmethyl)ether. May cause an allergic reaction.
Rose Noir	Contains d-damascone, hexylcinnamaldehyde, linalool, citronellol and tetramethyl acetyloctahydronaphthalenes. May produce an allergic reaction.
Secret Garden:	Contains linalool, geraniol, tetramethyl acetyloctahydronaphthalenes and eugenol. May produce an allergic reaction.
Sparkling Spruce:	Contains 4-tert-butylcyclohexyl acetate and pentamethylheptenone. May produce an allergic reaction.
Spiced Plum:	Contains linalool, hexylcinnamaldehyde and tetramethyl acetyloctahydronaphthalenes. May produce an allergic reaction.
Springtime Fresh:	Contains linalyl acetate, linalool, hexyl cinnamaldehyde, amyl cinnamaldehyde, citronellol, geraniol, cyclamen aldehyde, butylphenyl methylpropional and dimethylcyclohex-3-ene-1-carbaldehyde. May produce an allergic reaction.
Summer Berries:	Contains linalool. May produce an allergic reaction.
Summer Breeze:	Contains hexylcinnamaldehyde, geraniol, citronellol, linalool and butylbenzyl propionaldehyde. May produce an allergic reaction.
Sweet Pea:	Contains geraniol, linalool, ethyl linalool, citronellol, nerol, and benzyl salicylate. May produce an allergic reaction.
Twilight Garden:	Contains hexylcinnamaldehyde, butylbenzyl propionaldehyde, 4-tert-butylcyclohexyl acetate, linalool, cedrol methyl ether, butylphenyl methylpropional and hydroxyisohexyl 3-cyclohexene carboxaldehyde. May produce an allergic reaction.

Vanilla & Amber:	Contains linalool, linalyl acetate, hexyl cinnamal, coumarin, limonene, tetramethyl acetyloctahydronaphthalenes. May produce an allergic reaction.
Velvet Poppy:	Contains linalool, citronellol, geraniol, linalyl acetate and d-damascone. May produce an allergic reaction.
Very Berry:	Contains limonene and citronellol. May produce an allergic reaction.
Violet & Mimosa:	Contains linalool, benzyl salicylate, hexylcinnamaldehyde, limonene, citronellol and butylbenzyl propionaldehyde. May produce an allergic reaction.
White Blossoms:	Contains linalool, hexylcinnamaldehyde, benzyl salicylate, citronellol, cyclamen aldehyde and limonene. May produce an allergic reaction.
Winter Morning:	Contains cinnamaldehyde, linalool, alpha-methylcinnamaldehyde, eugenol, cineole and isolongifolanone. May produce an allergic reaction.
Winter Spice:	Contains limonene, eugenol. May produce an allergic reaction.

### 2.3. Other hazards

None known

## SECTION 3: Composition/Information on Ingredients

### 3.2. Mixtures

Hazardous Ingredient(s)	%w/w	CAS no EC/List no REACH reg. no	Hazard Classification	H Statements
<i>Zoflora Base</i>				
Ethanol 9002380	65-75%	64-17-5 200-578-6 01-2119457610-43-xxxx	Flam Liq 2	225
Benzalkonium chloride 9002397	<3%	68424-85-1 270-325-2 01-2119983287-23-xxxx	Ac Tox 4, Sk Cor 1B, Eye Dam 1, Aq Ac 1, Aq Chr 1	302, 314, 318, 400, 410
Methanol (denaturant for Ethanol) 9002380	<3%	67-56-1 200-659-6 01-2119433307-44-xxxx	Flam Liq 2, Ac Tox 3, STOT SE 1	225, 301, 311, 331, 370
<i>Zoflora Perfume Compounds</i>				
Perfume compounds (see below)	1-15	N/A		
Blackcurrant & Jasmine 6030881			Sk Sens 1, Eye Irr 2, Aq Chr 3	317 319 412
Bluebell Woods 6064000			Eye Irr 2, Sk Sens 1, Aq Chr 2	319, 317, 411

Hazardous Ingredient(s)	%w/w	CAS no EC/List no REACH reg. no	Hazard Classification	H Statements
Bouquet 6099674			Eye Irr 2, Sk Sens 1, Aq Chr 2	319, 317, 411
Coconut and Lime 5613562			Sk Sens 1, Aq Acu 1, Aq Chr 2	317, 400, 411
Country Garden 6064542			Sk Sens 1, Aq Chr 2	317, 411
Cranberry & Orange 5221953			Sk Sens 1, Aq Chr 2	317, 411
Cucumber & Mint 6030551			Sk Irr 2, Sk Sens 1, Eye Dam 1, Aq Chr 2	315, 317, 318, 411
Cypress & Sea sage 6030611			Sk Irr 2, Eye Irr 2, Sk Sens 1, Aq Chr 2	315, 319, 317, 411
Fig & Cedar 5980698			Sk Irr 2, Eye Irr 2, Sk Sens 1, Aq Chr 2	315, 319, 317, 411
Fir Needle & Amber 6044705			Sk Sens 1, Aq Chr 2	317, 411
Frosted Peppermint 5914833			Sk Irr 2, Eye Irr 2, Sk Sens 1, Aq Chr 2	315, 319, 317, 411
Green Valley 5559542			Eye Irr 2, Sk Sens 1, Aq Chr 3	319, 317, 412
Hello Spring 5569920			Eye Irr 2, Sk Sens 1, Aq Chr 2	319, 317, 411
Honeysuckle & Jasmine 5521878			Sk Irr 2, Eye Irr 2, Sk Sens 1	315, 317, 319
Lavender 6099678			Sk Irr 2, Eye Dam 1, Sk Sens 1, Aq Chr 2	315, 318, 317, 411
Lavender Escape 5582245			Sk Irr 2, Eye Dam 1, Sk Sens 1, Aq Chr 2	315, 318, 317, 411
Lemon Zing 5599692			Sk Irr 2, Eye Irr 2, Sk Sens 1, Aq Chr 2	315, 319, 317, 411

Hazardous Ingredient(s)	%w/w	CAS no EC/List no REACH reg. no	Hazard Classification	H Statements
Linen Fresh 6012184			Sk Irr 2, Eye Irr 2, Sk Sens 1, Aq Chr 3	315, 319, 317, 412
Mandarin & Lime 5907978			Sk Irr 2, Eye Irr 2, Sk Sens 1, Aq Chr 2	315, 319, 317, 411
Midnight Blooms 6091999			Eye Irr 2, Sk Sens 1, Aq Chr 2	319, 317, 411
Orchard Pear 5912619			Sk Irr 2, Eye Irr 2, Sk Sens 1, Aq Chr 2	315, 319, 317, 411
Paradise Peach 5608060			Sk Irr 2, Sk Sens 1, Eye Dam 1, Aq Chr 2	315, 317, 318, 411
Peony Blush 6064311			Sk Irr 2, Eye Irr 2, Sk Sens 1, Aq Chr 2	315, 319, 317, 411
Pink Grapefruit 5944766			Sk Irr 2, Eye Irr 2, Sk Sens 1, Aq Chr 2	315, 319, 317, 411
Raspberry & Juniper Berry 6030550			Sk Irr 2, Eye Irr 2, Sk Sens 1, Aq Chr 2	315, 319, 317, 411
Rhubarb & Bergamot 5942576			Sk Irr 2, Eye Irr 2, Sk Sens 1, Aq Chr 2	315, 319, 317, 411
Rhubarb & Cassis 6030612			Sk Irr 2, Eye Irr 2, Sk Sens 1, Aq Chr 2	315, 319, 317, 411
Rose Noir 5913038			Sk Irr 2, Eye Irr 2, Sk Sens 1, Aq Chr 2	315, 319, 317, 411
Secret Garden 5677233			Sk Irr 2, Sk Sens 1, Eye Dam 1, Aq Chr 2	315, 317, 318, 411
Sparkling Spruce 5908491			Sk Sens 1, Aq Chr 2	317, 411
Spiced Plum 5912620			Sk Irr 2, Eye Irr 2, Sk Sens 1, Aq Chr 2	315, 319, 317, 411
Springtime Fresh 6031046			Sk Irr 2, Eye Irr 2, Sk Sens 1, Repro Tox 2, Aq Chr 2	315, 319, 317, 361f, 411

Hazardous Ingredient(s)	%w/w	CAS no EC/List no REACH reg. no	Hazard Classification	H Statements
Summer Berries 5676253			Sk Sens 1	317
Summer Breeze 5370749			Sk Irr 2, Eye Dam 1, Sk Sens 1, Aq Chr 2	315, 318, 317, 411
Sweet Pea 6048755			Sk Irr 2, Eye Dam 1, Sk Sens 1, Aq Chr 2	315, 318, 319, 411
Twilight Garden 5517821			Sk Irr 2, Sk Sens 1, Repro Tox 2, Aq Chr 2	315, 317, 361f, 411
Vanilla & Amber 5517821			Sk Irr 2, Eye Irr 2, Sk Sens 1, Aq Chr 2	315, 319, 317, 411
Velvet Poppy 6031062			Sk Irr 2, Eye Dam 1, Sk Sens 1, Aq Chr 2	315, 318, 317, 411
Very Berry 5613628			Sk Irr 2, Sk Sens 1, Aq Chr 2	315, 317, 411
Violet & Mimosa 5938899			Sk Irr 2, Eye Irr 2, Sk Sens 1, Aq Chr 2	315, 319, 317, 411
White Blossoms 5943665			Sk Irr 2, Eye Irr 2, Sk Sens 1, Aq Chr 2	315, 319, 317, 411
Winter Morning 5528502			Sk Irr 2, Eye Irr 2, Sk Sens 1, Aq Chr 2	315, 319, 317, 411
Winter Spice 6012451			Sk Sens 1	317

\*Full text of H-Phrases can be found in Section 16.3

#### SECTION 4: First Aid Measures

##### 4.1. Description of first aid measures

If inhaled: Remove from exposure and get fresh air. Get medical attention.

If on skin: Wash skin thoroughly with water. If irritation persist seek medical advice.

If in eyes: Rinse with plenty of water for at least 10 minutes, keeping the eyelids open if necessary. Get medical attention.

If swallowed: Wash out mouth with water and then drink plenty of water. Do not induce vomiting. Get medical attention.

Other first aid advice: Not applicable.

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

If inhaled: Inhaling large quantities may cause intoxication.

If on skin: May irritate skin.

If in eyes: May irritate eyes.

If swallowed: Swallowing large quantities may cause intoxication.

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

Medical treatment: If not sure about any symptoms contact a doctor or emergency services.

### **SECTION 5: Firefighting Measures**

#### **5.1. Extinguishing media**

Suitable extinguishing media: Water spray, foam, dry chemical or carbon dioxide.

Unsuitable extinguishing media: Do not use water jet.

#### **5.2. Special hazards arising from the substance or mixture**

May produce carbon dioxide, carbon monoxide and alcohol fumes.

#### **5.3. Advice for firefighters**

Wear self-contained breathing apparatus and protective clothing.

### **SECTION 6: Accidental Release Measures**

#### **6.1. Personal precautions, protective equipment and emergency procedures**

Non-emergency personnel: Wear appropriate protective clothing (see Section 8). Avoid contact with eyes and skin.

Emergency personnel: Extinguish sources of ignition. Wear appropriate protective clothing (see Section 8). Avoid contact with eyes and skin.

#### **6.2. Environmental precautions**

Prevent non-dilute material entering drains and watercourses. Advise local authorities if spillage has entered watercourses and sewer.

#### **6.3. Methods and material for containment and cleaning up**

Absorb onto inert material and transfer to suitable containers for disposal by a licensed waste contractor.

#### **6.4. Reference to other sections**

See Section 8 for protective equipment requirements.

### **SECTION 7: Handling and Storage**

#### **7.1. Precautions for safe handling**

Handling: Avoid contact with eyes and skin. Handle in well-ventilated area to prevent buildup of vapour. Avoid static discharge and sources of ignition.

Hygiene: Do not eat, drink or smoke while using this product. Wash hands thoroughly after use.

### 7.2. Conditions for safe storage, including any incompatibilities

Store in well closed containers in a cool place, away from sources of ignition.

### 7.3. Specific end use(s)

Household disinfectant.

## SECTION 8: Exposure Controls/Personal Protection

### 8.1. Control parameters

Substance	CAS no EC/List no REACH reg. no	LTEL (8 hr TWA ppm)	LTEL (8 hr TWA mg/m <sup>3</sup> )	STEL (ppm)	STEL (mg/ m <sup>3</sup> )	Note
Ethanol 9002380	64-17-5 200-578-6 01-2119457610-43-xxxx	1000	-	-	-	
Methanol (denaturant for Ethanol) 9002380	67-56-1 200-659-6 01-2119433307-44-xxxx	200	-	250	-	

### 8.2. Exposure controls

Engineering controls: Provide adequate ventilation

Eye protection: Chemical goggles or safety glasses

Face protection: Not applicable

Hand protection: Rubber gloves

Skin Protection: Overalls must be worn when handling large quantities

Other protection: None required

Respiratory protection: If ventilation is insufficient, wear respiratory protection

Thermal hazards: None known

Environmental controls: See Section 6.2

## SECTION 9: Physical and Chemical Properties

### 9.1. Information on basic chemical and physical properties

Appearance: Clear yellow mobile liquid

Odour: Perfumed

Odour threshold: Not determined

PH:	Not determined
Melting/freezing point:	-114°C (Ethanol)
Initial boiling point:	78°C (Ethanol)
Boiling range:	Not determined
Flash point:	17°C
Evaporation rate:	3.4 (Ethanol)
Flammability:	Highly flammable
Decomposition temperature:	Not available
Viscosity:	1.52 (Ethanol)
Upper explosive limit:	19% (Ethanol)
Lower explosive limit:	3.3% (Ethanol)
Vapour pressure:	5.81 (Ethanol)
Vapour density (Air=1):	1.59 (Ethanol)
Relative density:	0.85-0.87 at 20°C
Solubility:	Dispersible in water
Partition coefficient:	0.32 (Ethanol)
Auto ignition temperature:	365°C
Oxidizing properties:	Not determined
Explosive properties:	Not determined

## 9.2. Other information

Not available.

## SECTION 10: Stability and Reactivity

### 10.1. Reactivity

Stable

### 10.2. Chemical stability

Stable

### 10.3. Possibility of hazardous reactions

Possible reaction with nitric acid, sulfuric acid and oxidising agents.

### 10.4. Conditions to avoid

Avoid high temperature, static discharge and ignition sources.

### 10.5. Incompatible materials

Acids, oxidising agents.

#### 10.6. Hazardous decomposition products

None known

### SECTION 11: Toxicological Information

#### 11.1. Information on toxicological effects

Acute toxicity:	LD50 (oral rat) 6200-17800mg/kg – ethanol LD50 (oral rat) 795mg/kg – benzalkonium chloride
Skin corrosion/irritation:	May irritate skin
Serious eye damage/irritation:	May irritate eyes
Respiratory or skin sensitisation:	Some perfumes may cause sensitisation by skin contact
Germ cell mutagenicity:	Data not available
Carcinogenicity:	Data not available
Reproductive toxicity:	Data not available
STOT-single exposure:	Data not available
STOT-repeated exposure:	Data not available
Aspiration hazard:	Data not available

#### 11.2. Other information

N/A

### SECTION 12: Ecological Information

#### 12.1. Toxicity

LC50 (fish) 1-10mg/l 96h – benzalkonium chloride  
LC50 (daphnia) <1mg/l 48h – benzalkonium chloride

#### 12.2. Persistence and degradability

Data not available

#### 12.3. Bioaccumulative potential

Data not available

#### 12.4. Mobility in soil

Data not available

#### 12.5. Results of PBT and vPvB assessment

Data not available

#### 12.6. Other adverse effects

N/A

### SECTION 13: Disposal Considerations

#### 13.1. Waste treatment methods

Dispose of waste and residues in accordance with local authority requirements. This material must be disposed of as hazardous waste.

#### **SECTION 14: Transport Information**

**14.1. UN number**

1170

**14.2. UN proper shipping name**

Ethanol Solution (Ethyl Alcohol Solution)

**14.3. Transport hazard class (es)**

3

**14.4. Packing group**

II

**14.5. Environmental hazards**

Not a marine pollutant

**14.6. Special precautions for user**

N/A

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

N/A

**Additional Information:**

Product can be transported as Limited Quantity if less than 1 litre receptacle and packed in cardboard boxes up to a 30kg gross mass or shrink-wrapped trays up to a gross mass of 20kg.

#### **SECTION 15: Regulatory Information**

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

Not regulated by specific legislation.

**15.2. Chemical safety assessment**

Not available

#### **SECTION 16: Other Information**

**16.1. Reason for change**

Updates to fragrances; Bluebell woods, Bouquet, Country Garden, Linen fresh, Lavender, Midnight blooms, Peony blush, Vanilla & amber and Winter spice. Removal of fragrances; Summer bouquet, Tropical twist and Warm cinnamon. Change to include all the fragrance codes to identify which mod it is. General layout corrections.

**16.2. Sources of information**

Ingredient safety data sheet(s), C&L Inventory and REACH Dossiers.

**16.3. Full text of H phrases from section 3**

H225: Highly flammable liquid and vapour

H301: Toxic if swallowed

H302: Harmful if swallowed

H304: May be fatal if swallowed and enters airways

H311: Toxic in contact with skin

- H314: Causes severe skin burns and eye damage
- H315: Causes skin irritation
- H317: May cause an allergic skin reaction
- H318: Causes serious eye damage
- H319: Causes serious eye irritation
- H331: Toxic if inhaled
- H361f: Suspected of damaging fertility
- H370: Causes damage to organs
- H400: Very toxic to aquatic life
- H410: Very toxic to aquatic life with long lasting effects
- H411: Toxic to aquatic life with long lasting effects
- H412: Harmful to aquatic life with long lasting effects

#### **16.4. Method of evaluation**

Hazards for mixture calculated in accordance with Regulation (EC) No. 1272/2008 (GB-CLP) using the information provided for constituents (ingredients).