

## SAFETY DATA SHEET

### Zoflora Lemon Zing Disinfectant Spray New Formulation

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

##### 1.1. Product identifier

**Product name** Zoflora Lemon Zing Disinfectant Spray New Formulation

**Container size** 300ml

Zoflora Disinfectant  
Mist Lemon Zing  
SDS/1559/2

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

**Identified uses** Disinfectant.

##### 1.3. Details of the supplier of the safety data sheet

**Manufacturer** Hydrokem Aerosols Ltd  
Hickmans Road, Birkenhead, Wirral, CH41 1JH  
0151 630 4414

##### 1.4. Emergency telephone number

#### SECTION 2: Hazards identification

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

###### Classification (SI 2019 No. 720)

**Physical hazards** Aerosol 1 - H222, H229

**Health hazards** Eye Irrit. 2 - H319

**Environmental hazards** Not Classified

##### 2.2. Label elements

###### Hazard pictograms



**Signal word** Danger

**Hazard statements** H222 Extremely flammable aerosol.  
H229 Pressurised container: may burst if heated.  
H319 Causes serious eye irritation.

**Precautionary statements** P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
P211 Do not spray on an open flame or other ignition source.  
P251 Do not pierce or burn, even after use.  
P264 Wash contaminated skin thoroughly after handling.  
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.  
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P337+P313 If eye irritation persists: Get medical advice/ attention.  
P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.

##### 2.3. Other hazards

#### SECTION 3: Composition/information on ingredients

##### 3.1. Substances

Not applicable

##### 3.2. Mixtures

## Zoflora Lemon Zing Disinfectant Spray New Formulation

<b>ethanol</b>	<b>50%</b>
CAS number: 64-17-5	EC number: 200-578-6
<b>Classification</b>	
Flam. Liq. 2 - H225	
Eye Irrit. 2 - H319	
<b>Petroleum Gases, Liquefied</b>	<b>10-30%</b>
CAS number: 68476-85-7	EC number: 270-704-2
<b>Classification</b>	
Flam. Gas 1A - H220	
Press. Gas (Liq.) - H280	
<b>sodium nitrite</b>	<b>&lt;1%</b>
CAS number: 7632-00-0	EC number: 231-555-9
M factor (Acute) = 1	
<b>Classification</b>	
Ox. Sol. 3 - H272	
Acute Tox. 3 - H301	
Aquatic Acute 1 - H400	
<b>Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides</b>	<b>&lt;1%</b>
CAS number: 68424-85-1	
M factor (Acute) = 1	
<b>Classification</b>	
Acute Tox. 4 - H302	
Skin Corr. 1C - H314	
Eye Dam. 1 - H318	
Aquatic Acute 1 - H400	

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

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

<b>Inhalation</b>	Remove affected person from source of contamination.
<b>Ingestion</b>	Not relevant.
<b>Skin contact</b>	Rinse with water. Get medical attention if irritation persists after washing.
<b>Eye contact</b>	Remove any contact lenses and open eyelids wide apart. Rinse with water. Get medical attention if any discomfort continues.

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

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

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

## Zoflora Lemon Zing Disinfectant Spray New Formulation

**Suitable extinguishing media** Powder. Carbon dioxide (CO<sub>2</sub>). Dry chemicals, sand, dolomite etc.

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

**Specific hazards** Pressurised container: may burst if heated

### 5.3. Advice for firefighters

**Protective actions during firefighting** Containers close to fire should be removed or cooled with water. Use water to keep fire exposed containers cool and disperse vapours.

## SECTION 6: Accidental release measures

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

**Personal precautions** No smoking, sparks, flames or other sources of ignition near spillage.

### 6.2. Environmental precautions

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

**Methods for cleaning up** Eliminate all sources of ignition. Provide adequate ventilation. Contain spillage with sand, earth or other suitable non-combustible material. Collect and dispose of spillage as indicated in Section 13.

### 6.4. Reference to other sections

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

**Usage precautions** Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Avoid contact with skin and eyes. Use only in well-ventilated areas.

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

**Storage precautions** Do not store near heat sources or expose to high temperatures.

### 7.3. Specific end use(s)

## SECTION 8: Exposure controls/Personal protection

### 8.1. Control parameters

#### Occupational exposure limits

ethanol

Long-term exposure limit (8-hour TWA): WEL 1000 ppm 1920 mg/m<sup>3</sup>

#### Petroleum Gases, Liquefied

Long-term exposure limit (8-hour TWA): WEL 1000 ppm 1750 mg/m<sup>3</sup>

Short-term exposure limit (15-minute): WEL 1250 ppm 2180 mg/m<sup>3</sup>

WEL = Workplace Exposure Limit.

### 8.2. Exposure controls

## SECTION 9: Physical and chemical properties

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

**Appearance** Aerosol.

**Colour** Clear.

**Odour** Fragrant.

**pH** Not applicable.

**Flash point** Aerosol Propellant <-60°C

**Flammability (solid, gas)** Extremely Flammable Aerosol

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Vapour pressure	3.0 bar +/- 0.5 bar @ Room Temperature
Solubility(ies)	Miscible with water.
Viscosity	Not applicable.

### 9.2. Other information

#### SECTION 10: Stability and reactivity

##### 10.1. Reactivity

##### 10.2. Chemical stability

Stability	Stable at normal ambient temperatures.
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##### 10.3. Possibility of hazardous reactions

##### 10.4. Conditions to avoid

Conditions to avoid	Avoid exposing aerosol containers to high temperatures or direct sunlight.
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##### 10.5. Incompatible materials

##### 10.6. Hazardous decomposition products

#### SECTION 11: Toxicological information

##### 11.1. Information on toxicological effects

##### Acute toxicity - oral

Summary	Ethanol - LD50 Rat, oral: 10,470 mg/kg (OECD 401)
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ATE oral (mg/kg)	100,000.0
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##### Acute toxicity - dermal

Summary	Ethanol - LD50 Rabbit, Dermal: > 2,000 mg/kg (OECD 401)
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Skin contact	May cause irritation.
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Eye contact	Causes serious eye irritation.
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#### SECTION 12: Ecological information

Ecotoxicity	No information available.
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##### 12.1. Toxicity

Toxicity	No data available
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##### 12.2. Persistence and degradability

##### 12.3. Bioaccumulative potential

##### 12.4. Mobility in soil

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

##### 12.6. Other adverse effects

#### SECTION 13: Disposal considerations

##### 13.1. Waste treatment methods

General information	Dispose of waste product or used containers in accordance with local regulations
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#### SECTION 14: Transport information

##### 14.1. UN number

UN No. (ADR/RID)	1950
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## Zoflora Lemon Zing Disinfectant Spray New Formulation

UN No. (IMDG) 1950  
UN No. (ICAO) 1950  
UN No. (ADN) 1950

### 14.2. UN proper shipping name

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

### 14.3. Transport hazard class(es)

ADR/RID class 2.1  
ADR/RID classification code 5F  
ADR/RID label 2.1  
IMDG class 2.1  
ICAO class/division 2.1  
ADN class 2.1

### Transport labels



### 14.4. Packing group

### 14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant  
No.

### 14.6. Special precautions for user

EmS F-D, S-U  
ADR transport category 2  
Tunnel restriction code (D)

### 14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

## SECTION 15: Regulatory information

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

### 15.2. Chemical safety assessment

## SECTION 16: Other information

Issued by C. Milne  
Revision date 24/11/2022  
SDS number 5384

## Zoflora Lemon Zing Disinfectant Spray New Formulation

<b>Hazard statements in full</b>	H220 Extremely flammable gas. H222 Extremely flammable aerosol. H225 Highly flammable liquid and vapour. H229 Pressurised container: may burst if heated. H272 May intensify fire; oxidiser. H280 Contains gas under pressure; may explode if heated. H301 Toxic if swallowed. H302 Harmful if swallowed. H314 Causes severe skin burns and eye damage. H318 Causes serious eye damage. H319 Causes serious eye irritation. H400 Very toxic to aquatic life.
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