



## SAFETY DATA SHEET

### Astonish Berry Harvest Concentrated Disinfectant.

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

##### 1.1. Product identifier

<b>Product name</b>	Astonish Berry Harvest Concentrated Disinfectant.
<b>Product number</b>	921001
<b>Internal identification</b>	9210F3V1

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

<b>Identified uses</b>	Disinfecting surfaces around the home. Effective against bacterial and enveloped viruses.
<b>Uses advised against</b>	Do not use for personal cleansing. Avoid direct contact with pets.

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

<b>Supplier</b>	The London Oil Refining Company Ltd Astonish House Unit 1 Premier Point Staithgate Lane Bradford, BD6 1DW, UK Tel: +44 1274 767440 (8am-4pm Mon-Fri) www.astonishcleaners.co.uk
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Astonish Cleaners Europe Ltd  
38 Main Street  
Swords  
Co. Dublin  
Republic of Ireland  
K67E0A2  
Tel: +353 768 885288 (8am-4pm Mon-Fri)  
www.astonishcleaners.eu

<b>Contact person</b>	info@astonish.co.uk info@astonishcleaners.eu
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<b>Manufacturer</b>	As supplier.
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##### 1.4. Emergency telephone number

<b>Emergency telephone</b>	UK - Emergency Telephone: +44 (0) 1274 767440 (8am-4pm Mon-Fri). Alternatively in UK: Contact NHS 111 Telephone 111 (24 hours a day, 7 days a week); Website 111.nhs.uk or a doctor.
	ROI - Emergency Telephone: +353 768 885288 (8am-4pm Mon-Fri) Poisons Information Centre of Ireland (ROI): + 353 (1) 809 2166 (8am-10pm 7 days a week)


#### SECTION 2: Hazards identification

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

###### Classification (EC 1272/2008)

<b>Physical hazards</b>	Not Classified
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## Astonish Berry Harvest Concentrated Disinfectant.

<b>Health hazards</b>	Skin Irrit. 2 - H315 Eye Dam. 1 - H318
<b>Environmental hazards</b>	Aquatic Chronic 3 - H412
<b>2.2. Label elements</b>	
<b>Hazard pictograms</b>	
	
<b>Signal word</b>	Danger
<b>Hazard statements</b>	EUH208 Contains Linalool, Hexyl cinnamal. May produce an allergic reaction. H315 Causes skin irritation. H318 Causes serious eye damage. H412 Harmful to aquatic life with long lasting effects.
<b>Precautionary statements</b>	P101 If medical advice is needed, have product container or label at hand. P102 Keep out of reach of children. P103 Read label before use. P264 Wash hands thoroughly after handling. P264 Wash contaminated skin thoroughly after handling. P273 Avoid release to the environment. P280 Wear protective clothing, gloves, eye and face protection. P302+P352 IF ON SKIN: Wash with plenty of water. P305+P351+P338+P310 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON Centre or doctor/physician. P332+P313 If skin irritation occurs: Get medical advice/ attention. P337+P313 If eye irritation persists: Get medical advice/ attention.
<b>Contains</b>	Quaternary ammonium compounds, benzyl (C12 - C16) alkyl dimethyl, chlorides, Undecanol, branched and linear, ethoxylated (>5-15 EO)
<b>Additional Labelling</b>	None
<b>Biocide Labelling</b>	Contains active substance: Quaternary ammonium compounds, benzyl (C12 - C16) alkyl dimethyl, chlorides
<b>Detergent labelling</b>	< 5% cationic surfactants, < 5% disinfectants, < 5% non-ionic surfactants, < 5% perfumes, Contains Linalool, Hexyl cinnamal, Benzyl salicylate, dl-Citronellol, d-Limonene, Alpha-Isomethyl Ionone

### 2.3. Other hazards

None

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

<b>Ethanol</b>	<b>1-5%</b>
CAS number: 64-17-5	EC number: 200-578-6
	REACH registration number: 01-2119457610-43-XXXX
<b>Classification</b>	
Flam. Liq. 2 - H225	
Eye Irrit. 2 - H319	

## Astonish Berry Harvest Concentrated Disinfectant.

<b>Quaternary ammonium compounds, benzyl (C12 - C16) alkyl dimethyl, chlorides</b> <span style="float: right;"><b>1-5%</b></span>		
CAS number: 68424-85-1	EC number: 270-325-2	REACH registration number: 01-2119965180-41-XXXX
M factor (Acute) = 10	M factor (Chronic) = 1	
<b>Classification</b> Acute Tox. 4 - H302 Skin Corr. 1B - H314 Eye Dam. 1 - H318 Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410		
<b>Undecanol, branched and linear, ethoxylated (&gt;5-15 EO)</b> <span style="float: right;"><b>1-5%</b></span>		
CAS number: 68439-46-3		
<b>Classification</b> Acute Tox. 4 - H302 Eye Dam. 1 - H318		
<b>Linalool</b> <span style="float: right;"><b>&lt;1%</b></span>		
CAS number: 78-70-6	EC number: 201-134-4	REACH registration number: 01-2119474016-42-XXXX
<b>Classification</b> Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 Skin Sens. 1B - H317		
<b>Citric Acid Monohydrate</b> <span style="float: right;"><b>&lt;1%</b></span>		
CAS number: 5949-29-1	EC number: 201-069-1	REACH registration number: 01-2119457026-42-XXXX
<b>Classification</b> Eye Irrit. 2 - H319		
<b>methanol</b> <span style="float: right;"><b>&lt;1%</b></span>		
CAS number: 67-56-1	EC number: 200-659-6	REACH registration number: 01-2119433307-44-XXXX
<b>Classification</b> Flam. Liq. 2 - H225 Acute Tox. 3 - H301 Acute Tox. 3 - H311 Acute Tox. 3 - H331 STOT SE 1 - H370		

## Astonish Berry Harvest Concentrated Disinfectant.

<b>Hexyl cinnamal</b> <span style="float: right;"><b>&lt;1%</b></span>		
CAS number: 101-86-0	EC number: 202-983-3	REACH registration number: 01-2119533092-50-XXXX
M factor (Acute) = 1		
<b>Classification</b> Skin Sens. 1B - H317 Aquatic Acute 1 - H400 Aquatic Chronic 2 - H411		
<b>Benzyl salicylate</b> <span style="float: right;"><b>&lt;1%</b></span>		
CAS number: 118-58-1	EC number: 204-262-9	REACH registration number: 01-2119969442-31-XXXX
<b>Classification</b> Eye Irrit. 2 - H319 Skin Sens. 1B - H317 Aquatic Chronic 3 - H412		
<b>dl-Citronellol</b> <span style="float: right;"><b>&lt;1%</b></span>		
CAS number: 106-22-9	EC number: 203-375-0	REACH registration number: 01-2119453995-23-XXXX
<b>Classification</b> Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 Skin Sens. 1 - H317		
<b>d-Limonene</b> <span style="float: right;"><b>&lt;1%</b></span>		
CAS number: 5989-27-5	EC number: 227-813-5	REACH registration number: 01-2119529223-47-XXXX
M factor (Chronic) = 1		
<b>Classification</b> Flam. Liq. 3 - H226 Skin Irrit. 2 - H315 Skin Sens. 1B - H317 Asp. Tox. 1 - H304 Aquatic Chronic 1 - H410		
<b>Alpha-Isomethyl Ionone</b> <span style="float: right;"><b>&lt;1%</b></span>		
CAS number: 127-51-5	EC number: 204-846-3	
<b>Classification</b> Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 Skin Sens. 1 - H317 Aquatic Chronic 2 - H411		

## Astonish Berry Harvest Concentrated Disinfectant.

<b>Sodium Hydroxide</b>		<b>&lt;1%</b>
CAS number: 1310-73-2	EC number: 215-185-5	REACH registration number: 01-2119457892-27-XXXX
<b>Classification</b>		
Met. Corr. 1 - H290		
Skin Corr. 1A - H314		

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 exposure and give water to drink if mouth irritation experienced. Seek medical advice if recovery not rapid.
<b>Ingestion</b>	Drink water. If symptoms persist seek medical advice.
<b>Skin contact</b>	Wash skin thoroughly with soap and water. Remove contaminated clothing and rinse skin thoroughly with water. Get medical attention if irritation persists after washing.
<b>Eye contact</b>	Do not rub eye. Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention immediately.
<b>Protection of first aiders</b>	First aid personnel should wear appropriate protective equipment during any rescue.

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

<b>Inhalation</b>	Possible mild irritation of breathing passage and possible mouth irritation.
<b>Ingestion</b>	Possible mild stomach upset and mild soreness of mouth.
<b>Skin contact</b>	Causes skin irritation.
<b>Eye contact</b>	Causes serious eye damage.

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

<b>Notes for the doctor</b>	No data available
<b>Specific treatments</b>	No data available.

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

**Suitable extinguishing media** Use extinguisher suitable to cause of fire.

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

**Specific hazards** Product does not support combustion, minimal fire hazard. Minimal quantities of oxides of carbon may be produced.

#### 5.3. Advice for firefighters

**Protective actions during firefighting** Use protection suitable to cause of fire.

### SECTION 6: Accidental release measures

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

**Personal precautions** Avoid contact with skin and eyes. For personal protection, see Section 8.

#### 6.2. Environmental precautions

## Astonish Berry Harvest Concentrated Disinfectant.

**Environmental precautions** Product is intended to be rinsed away to sewer after use. For bigger spillages non-household spillages prevent entry into sewer or drains.

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

**Methods for cleaning up** Absorb household spillages with e.g kitchen roll and dispose of in bin. Wipe affected area clean with a damp cloth.

### 6.4. Reference to other sections

**Reference to other sections** For personal protection, see Section 8. For waste disposal, see Section 13.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

**Usage precautions** Use as instructed on label. Avoid contact with skin and eyes.

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

**Storage precautions** Store in ambient conditions. Keep out of the reach of children.

### 7.3. Specific end use(s)

**Specific end use(s)** Disinfecting surfaces around the home.

## SECTION 8: Exposure controls/Personal protection

### 8.1. Control parameters

#### Occupational exposure limits

##### **Ethanol**

Short-term exposure limit (15-minute): ELV (IE) 1000 ppm

##### **Linalool**

Long-term exposure limit (8-hour TWA): DNEL 2.5 mg/kg Dermal

Long-term exposure limit (8-hour TWA): DNEL 2.8 mg/m<sup>3</sup> Inhalation

Long-term exposure limit (8-hour TWA): DNEL 15 mg/cm<sup>3</sup> Dermal

Short-term exposure limit (15-minute): DNEL 15 mg/cm<sup>3</sup> Dermal

##### **methanol**

Short-term exposure limit (15-minute): WEL 250 ppm 333 mg/m<sup>3</sup>

Long-term exposure limit (8-hour TWA): ELV (IE) 200 ppm 260 mg/m<sup>3</sup>

##### **Benzyl salicylate**

Long-term exposure limit (8-hour TWA): DNEL 3.17 mg/m<sup>3</sup> Inhalation

Long-term exposure limit (8-hour TWA): DNEL 0.9 mg/kg Dermal

##### **Sodium Hydroxide**

Short-term exposure limit (15-minute): WEL 2 mg/m<sup>3</sup>

WEL = Workplace Exposure Limit.

#### Ethanol (CAS: 64-17-5)

##### **DNEL**

Workers - Dermal; Long term : 343 mg/kg

Workers - Inhalation; : 950 mg/m<sup>3</sup>

Consumer - Inhalation; local effects: 950 mg/m<sup>3</sup>

Consumer - Dermal; Long term : 206 mg/kg

Consumer - Inhalation; : 114 mg/m<sup>3</sup>

Consumer - Oral; Long term : 87 mg/kg

## Astonish Berry Harvest Concentrated Disinfectant.

<b>PNEC</b>	- Fresh water; 0.96 mg/l
	- marine water; 0.79 mg/l
	- Sediment (Freshwater); 3.6 mg/kg
	- Soil; 0.63 mg/kg

### Citric Acid Monohydrate (CAS: 5949-29-1)

<b>PNEC</b>	- Fresh water; 0.44 mg/l
	- Sediment (Freshwater); 3.46 mg/kg
	- Sediment (Marinewater); 34.6 mg/kg
	- marine water; 0.044 mg/l
	- STP; >1000 mg/l
	- Soil; 33.1 mg/kg

### methanol (CAS: 67-56-1)

<b>DNEL</b>	Workers - Dermal; Short term systemic effects: 40 mg/kg
	Workers - Inhalation; Short term systemic effects: 260 mg/m <sup>3</sup>
	Workers - Inhalation; Short term local effects: 260 mg/m <sup>3</sup>
	Workers - Dermal; Long term systemic effects: 40 mg/kg
	Workers - Inhalation; Long term systemic effects: 260 mg/m <sup>3</sup>
	Workers - Inhalation; Long term local effects: 260 mg/m <sup>3</sup>
	Consumer - Dermal; Short term systemic effects: 8 mg/kg
	Consumer - Inhalation; Short term systemic effects: 50 mg/m <sup>3</sup>
	Consumer - Oral; Short term systemic effects: 8 mg/kg
	Consumer - Inhalation; Long term local effects: 50 mg/m <sup>3</sup>
	Consumer - Oral; Long term systemic effects: 8 mg/kg
	Consumer - Inhalation; Long term systemic effects: 50 mg/m <sup>3</sup>
	Consumer - Dermal; Long term systemic effects: 8 mg/kg
	Consumer - Inhalation; Short term local effects: 50 mg/m <sup>3</sup>
<b>PNEC</b>	- Fresh water; 154 mg/l
	- marine water; 15.4 mg/l
	- Sediment; 570.4 mg/kg
	- Soil; 23.5 mg/kg
	- STP; 100 mg/l
	- Intermittent release; 1540 mg/l

## 8.2. Exposure controls

<b>Eye/face protection</b>	Wear eye protection. Avoid contact with face.
<b>Hand protection</b>	Wear protective gloves.
<b>Environmental exposure controls</b>	This product does not pose a hazard in normal use when following the usage instructions.

## **SECTION 9: Physical and chemical properties**

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

<b>Appearance</b>	Clear Strawberry Red Liquid
<b>Colour</b>	Red.
<b>Odour</b>	Fruity/Floral
<b>Odour threshold</b>	Not known.
<b>pH</b>	pH (concentrated solution): 5.8 - 7.2

## Astonish Berry Harvest Concentrated Disinfectant.

<b>Melting point</b>	Not known.
<b>Initial boiling point and range</b>	Not measured (>100°C)
<b>Flash point</b>	64.0°C Closed cup.
<b>Evaporation rate</b>	Not known.
<b>Evaporation factor</b>	Not known.
<b>Flammability (solid, gas)</b>	Does not ignite.
<b>Upper/lower flammability or explosive limits</b>	Does not ignite.
<b>Other flammability</b>	Not relevant.
<b>Vapour pressure</b>	Not determined.
<b>Vapour density</b>	> 1 (Air=1)
<b>Relative density</b>	0.990 - 1.000 @ 20°C
<b>Bulk density</b>	Not relevant.
<b>Solubility(ies)</b>	Soluble in water
<b>Partition coefficient</b>	Not known.
<b>Auto-ignition temperature</b>	Not known.
<b>Decomposition Temperature</b>	Not available.
<b>Viscosity</b>	Not determined.
<b>Explosive properties</b>	None
<b>Explosive under the influence of a flame</b>	Not considered to be explosive.
<b>Oxidising properties</b>	Not applicable.

### 9.2. Other information

**Other information** None.

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

**Reactivity** No reactivity hazards expected.

### 10.2. Chemical stability

**Stability** Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

**Possibility of hazardous reactions** None under normal conditions.

### 10.4. Conditions to avoid

**Conditions to avoid** None known.

### 10.5. Incompatible materials

**Materials to avoid** None known.

### 10.6. Hazardous decomposition products



## Astonish Berry Harvest Concentrated Disinfectant.

**Hazardous decomposition products** Carbon oxides.

### SECTION 11: Toxicological information

#### 11.1. Information on toxicological effects

**Toxicological effects** This mixture has not been tested. Based on the available data of the ingredients the classification criteria are not met.

#### Acute toxicity - oral

**ATE oral (mg/kg)** 10,973.08

#### Acute toxicity - dermal

**ATE dermal (mg/kg)** 200,000.0

#### Acute toxicity - inhalation

**ATE inhalation (vapours mg/l)** 2,000.0

### SECTION 12: Ecological information

#### 12.1. Toxicity

**Toxicity** Normal use of product is not expected to pose a risk to the environment.

#### 12.2. Persistence and degradability

**Persistence and degradability** Contains detergents that satisfy the biodegradation requirements of directive 648/2004/EC. No other relevant information is available.

#### 12.3. Bioaccumulative potential

**Bioaccumulative potential** Bioaccumulation is not expected.

**Partition coefficient** Not known.

#### 12.4. Mobility in soil

**Mobility** The components of the mixture are readily absorbed into soil and are mobile in water environment.

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

**Results of PBT and vPvB assessment** No data available.

#### 12.6. Other adverse effects

**Other adverse effects** None known.

### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

**General information** Dispose of according to local regulations. Avoid disposing into drainage systems and into the environment. Dispose of contaminated packaging in the same way as the product itself. Non-contaminated packages may be recycled.

### SECTION 14: Transport information

**General** Not regulated.

#### 14.1. UN number

Not applicable.

## Astonish Berry Harvest Concentrated Disinfectant.

### 14.2. UN proper shipping name

Not applicable.

### 14.3. Transport hazard class(es)

Not regulated.

### 14.4. Packing group

Not applicable.

### 14.5. Environmental hazards

**Environmentally hazardous substance/marine pollutant**

No.

### 14.6. Special precautions for user

Not applicable.

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

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code** Not applicable.

## **SECTION 15: Regulatory information**

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

#### **National regulations**

For Great Britain after the end of the transitional period, the EU Detergents Regulation - has been amended by the Detergents EU Exit Statutory Instruments (SIs), that is:

the Detergents (Amendment) (EU Exit) Regulations 2019 (S.I. 2019/672)  
the Detergents (Safeguarding) (Amendment) (EU Exit) Regulations 2019 (S.I. 2019/671)  
the Detergents (Amendment) (EU Exit) Regulations 2020 (S.I. 2020/1617)

For Great Britain after the end of the transitional period, the EU Biocides Regulations - has been amended by:

the Chemicals (Health and Safety) and Genetically Modified Organisms (Contained Use) (Amendment etc.) (EU Exit) Regulations 2019 (CMGO Regs 2019)  
the Chemicals (Health and Safety) and Genetically Modified Organisms (Contained Use) (Amendment etc.) (EU Exit) Regulations 2020 (CMGO Regs 2020)

#### **EU legislation**

This safety data sheet is compliant with EC Regulation 1907/2006 (REACH) as adapted by 453/2010, Directive 67/548/EEC and EC Regulation 1272/2008 (CLP).  
Dangerous Preparations Directive 1999/45/EC.  
Regulation (EC) No 648/2004 of the European Parliament and of the Council of 31 March 2004 on detergents (as amended).  
Biocidal Products Regulation (528/2012/EC)

### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

## **SECTION 16: Other information**

## Astonish Berry Harvest Concentrated Disinfectant.

<b>Abbreviations and acronyms used in the safety data sheet</b>	ATE: Acute Toxicity Estimate. CAS: Chemical Abstracts Service. DNEL: Derived No Effect Level. ECHA: European Chemicals Agency GHS: Globally Harmonized System. PBT: Persistent, Bioaccumulative and Toxic substance. PNEC: Predicted No Effect Concentration. REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006. vPvB: Very Persistent and Very Bioaccumulative.
<b>General information</b>	<p>Note: The hazard statements below are explanations of phrases used in the SDS as abbreviations and DO NOT apply to the product. The statements applicable to the product are those identified in Section 2 only.</p> <p>Any animal testing information or data listed in this safety data sheet is historic published data within the public domain. There is a requirement to declare this information if it is known and this does not impact our cruelty free status. The London Oil Refining Company Ltd does not commission animal testing.</p>
<b>Revision comments</b>	Product name change. Revised formulation. Updated Supplier Information. Updated Regulatory Information In Section 15
<b>Issued by</b>	The London Oil Refining Company Ltd
<b>Revision date</b>	07/07/2021
<b>Revision</b>	3.1
<b>Supersedes date</b>	03/11/2020
<b>SDS number</b>	5437
<b>Hazard statements in full</b>	H225 Highly flammable liquid and vapour. H226 Flammable liquid and vapour. H290 May be corrosive to metals. 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. 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. EUH208 Contains Linalool, Hexyl cinnamal. May produce an allergic reaction.



## SAFETY DATA SHEET

### Astonish Zesty Lemon Concentrated Disinfectant

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

##### 1.1. Product identifier

<b>Product name</b>	Astonish Zesty Lemon Concentrated Disinfectant
<b>Product number</b>	923001
<b>Internal identification</b>	9230F3V1

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

<b>Identified uses</b>	Disinfecting surfaces around the home. Effective against bacterial and enveloped viruses.
<b>Uses advised against</b>	Do not use for personal cleansing. Avoid direct contact with pets.

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

<b>Supplier</b>	The London Oil Refining Company Ltd Astonish House Unit 1 Premier Point Staithgate Lane Bradford, BD6 1DW, UK Tel: +44 1274 767440 (8am-4pm Mon-Fri) www.astonishcleaners.co.uk
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Astonish Cleaners Europe Ltd  
38 Main Street  
Swords  
Co. Dublin  
Republic of Ireland  
K67E0A2  
Tel: +353 768 885288 (8am-4pm Mon-Fri)  
www.astonishcleaners.eu

<b>Contact person</b>	info@astonish.co.uk info@astonishcleaners.eu
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<b>Manufacturer</b>	As supplier.
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##### 1.4. Emergency telephone number

<b>Emergency telephone</b>	UK - Emergency Telephone: +44 (0) 1274 767440 (8am-4pm Mon-Fri). Alternatively in UK: Contact NHS 111 Telephone 111 (24 hours a day, 7 days a week); Website 111.nhs.uk or a doctor.
	ROI - Emergency Telephone: +353 768 885288 (8am-4pm Mon-Fri) Poisons Information Centre of Ireland (ROI): + 353 (1) 809 2166 (8am-10pm 7 days a week)


#### SECTION 2: Hazards identification

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

###### Classification (EC 1272/2008)

<b>Physical hazards</b>	Not Classified
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## Astonish Zesty Lemon Concentrated Disinfectant

<b>Health hazards</b>	Skin Irrit. 2 - H315 Eye Dam. 1 - H318
<b>Environmental hazards</b>	Aquatic Chronic 3 - H412
<b>2.2. Label elements</b>	
<b>Hazard pictograms</b>	
	
<b>Signal word</b>	Danger
<b>Hazard statements</b>	H315 Causes skin irritation. H318 Causes serious eye damage. H412 Harmful to aquatic life with long lasting effects.
<b>Precautionary statements</b>	P101 If medical advice is needed, have product container or label at hand. P102 Keep out of reach of children. P103 Read label before use. P264 Wash hands thoroughly after handling. P264 Wash contaminated skin thoroughly after handling. P273 Avoid release to the environment. P280 Wear protective clothing, gloves, eye and face protection. P302+P352 IF ON SKIN: Wash with plenty of water. P305+P351+P338+P310 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON Centre or doctor/physician. P332+P313 If skin irritation occurs: Get medical advice/ attention. P337+P313 If eye irritation persists: Get medical advice/ attention.
<b>Contains</b>	Quaternary ammonium compounds, benzyl (C12 - C16) alkyl dimethyl, chlorides, Undecanol, branched and linear, ethoxylated (>5-15 EO)
<b>Additional Labelling</b>	Irish PCS100225
<b>Biocide Labelling</b>	Contains active substance: Quaternary ammonium compounds, benzyl (C12 - C16) alkyl dimethyl, chlorides
<b>Detergent labelling</b>	< 5% cationic surfactants, < 5% disinfectants, < 5% non-ionic surfactants, < 5% perfumes, Contains d-Limonene, citral, dl-Citronellol, Hexyl cinnamal, Geraniol, Butylphenyl methylpropional

### 2.3. Other hazards

None

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

<b>Ethanol</b>		<b>1-5%</b>
CAS number: 64-17-5	EC number: 200-578-6	REACH registration number: 01-2119457610-43-XXXX
<b>Classification</b>		
Flam. Liq. 2 - H225		
Eye Irrit. 2 - H319		

## Astonish Zesty Lemon Concentrated Disinfectant

<b>Quaternary ammonium compounds, benzyl (C12 - C16) alkyl dimethyl, chlorides</b> <span style="float: right;"><b>1-5%</b></span>		
CAS number: 68424-85-1	EC number: 270-325-2	REACH registration number: 01-2119965180-41-XXXX
M factor (Acute) = 10	M factor (Chronic) = 1	
<b>Classification</b> Acute Tox. 4 - H302 Skin Corr. 1B - H314 Eye Dam. 1 - H318 Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410		
<b>Undecanol, branched and linear, ethoxylated (&gt;5-15 EO)</b> <span style="float: right;"><b>1-5%</b></span>		
CAS number: 68439-46-3		
<b>Classification</b> Acute Tox. 4 - H302 Eye Dam. 1 - H318		
<b>Citric Acid Monohydrate</b> <span style="float: right;"><b>&lt;1%</b></span>		
CAS number: 5949-29-1	EC number: 201-069-1	REACH registration number: 01-2119457026-42-XXXX
<b>Classification</b> Eye Irrit. 2 - H319		
<b>methanol</b> <span style="float: right;"><b>&lt;1%</b></span>		
CAS number: 67-56-1	EC number: 200-659-6	REACH registration number: 01-2119433307-44-XXXX
<b>Classification</b> Flam. Liq. 2 - H225 Acute Tox. 3 - H301 Acute Tox. 3 - H311 Acute Tox. 3 - H331 STOT SE 1 - H370		

## Astonish Zesty Lemon Concentrated Disinfectant

<b>d-Limonene</b> <span style="float: right;"><b>&lt;1%</b></span>		
CAS number: 5989-27-5	EC number: 227-813-5	REACH registration number: 01-2119529223-47-XXXX
M factor (Chronic) = 1		
<b>Classification</b> Flam. Liq. 3 - H226 Skin Irrit. 2 - H315 Skin Sens. 1B - H317 Asp. Tox. 1 - H304 Aquatic Chronic 1 - H410		
<b>Citral</b> <span style="float: right;"><b>&lt;1%</b></span>		
CAS number: 5392-40-5	EC number: 226-394-6	REACH registration number: 01-2119462829-23-XXXX
<b>Classification</b> Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 Skin Sens. 1 - H317		
<b>Hexyl cinnamal</b> <span style="float: right;"><b>&lt;1%</b></span>		
CAS number: 101-86-0	EC number: 202-983-3	REACH registration number: 01-2119533092-50-XXXX
M factor (Acute) = 1		
<b>Classification</b> Skin Sens. 1B - H317 Aquatic Acute 1 - H400 Aquatic Chronic 2 - H411		
<b>Geraniol</b> <span style="float: right;"><b>&lt;1%</b></span>		
CAS number: 106-24-1	EC number: 203-377-1	REACH registration number: 01-2119552430-49-XXXX
<b>Classification</b> Skin Irrit. 2 - H315 Eye Dam. 1 - H318 Skin Sens. 1 - H317		

## Astonish Zesty Lemon Concentrated Disinfectant

<b>Butylphenyl methylpropional</b>		<b>&lt;1%</b>
CAS number: 80-54-6	EC number: 201-289-8	REACH registration number: 01-2119485965-18-XXXX
<b>Classification</b>		
Acute Tox. 4 - H302		
Skin Irrit. 2 - H315		
Skin Sens. 1 - H317		
Repr. 1B - H360		
Aquatic Chronic 2 - H411		
<b>Sodium Hydroxide</b>		<b>&lt;1%</b>
CAS number: 1310-73-2	EC number: 215-185-5	REACH registration number: 01-2119457892-27-XXXX
<b>Classification</b>		
Met. Corr. 1 - H290		
Skin Corr. 1A - H314		

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 exposure and give water to drink if mouth irritation experienced. Seek medical advice if recovery not rapid.
<b>Ingestion</b>	Drink water. If symptoms persist seek medical advice.
<b>Skin contact</b>	Wash skin thoroughly with soap and water. Remove contaminated clothing and rinse skin thoroughly with water. Get medical attention if irritation persists after washing.
<b>Eye contact</b>	Do not rub eye. Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention immediately.
<b>Protection of first aiders</b>	First aid personnel should wear appropriate protective equipment during any rescue.

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

<b>Inhalation</b>	Possible mild irritation of breathing passage and possible mouth irritation.
<b>Ingestion</b>	Possible mild stomach upset and mild soreness of mouth.
<b>Skin contact</b>	Causes skin irritation.
<b>Eye contact</b>	Causes serious eye damage.

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

<b>Notes for the doctor</b>	No data available
<b>Specific treatments</b>	No data available.

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

**Suitable extinguishing media** Use extinguisher suitable to cause of fire.

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



## Astonish Zesty Lemon Concentrated Disinfectant

**Specific hazards** Product does not support combustion, minimal fire hazard. Minimal quantities of oxides of carbon may be produced.

### 5.3. Advice for firefighters

**Protective actions during firefighting** Use protection suitable to cause of fire.

## SECTION 6: Accidental release measures

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

**Personal precautions** Avoid contact with skin and eyes. For personal protection, see Section 8.

### 6.2. Environmental precautions

**Environmental precautions** Product is intended to be rinsed away to sewer after use. For bigger spillages non-household spillages prevent entry into sewer or drains.

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

**Methods for cleaning up** Absorb household spillages with e.g kitchen roll and dispose of in bin. Wipe affected area clean with a damp cloth.

### 6.4. Reference to other sections

**Reference to other sections** For personal protection, see Section 8. For waste disposal, see Section 13.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

**Usage precautions** Use as instructed on label. Avoid contact with skin and eyes.

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

**Storage precautions** Store in ambient conditions. Keep out of the reach of children.

### 7.3. Specific end use(s)

**Specific end use(s)** Disinfecting surfaces around the home.

## SECTION 8: Exposure controls/Personal protection

### 8.1. Control parameters

#### Occupational exposure limits

##### **Ethanol**

Short-term exposure limit (15-minute): ELV (IE) 1000 ppm

##### **methanol**

Short-term exposure limit (15-minute): WEL 250 ppm 333 mg/m<sup>3</sup>

Long-term exposure limit (8-hour TWA): ELV (IE) 200 ppm 260 mg/m<sup>3</sup>

##### **Geraniol**

Long-term exposure limit (8-hour TWA): DNEL 161.6 mg/m<sup>3</sup> Inhalation

Long-term exposure limit (8-hour TWA): DNEL 12.5 mg/kg Dermal

##### **Butylphenyl methylpropional**

Long-term exposure limit (8-hour TWA): DNEL 0.44 mg/cm<sup>3</sup> Inhalation

Short-term exposure limit (15-minute): DNEL 0.41 mg/cm<sup>2</sup> Dermal

Long-term exposure limit (8-hour TWA): DNEL 2.075 mg/kg Dermal

##### **Sodium Hydroxide**

Short-term exposure limit (15-minute): WEL 2 mg/m<sup>3</sup>

WEL = Workplace Exposure Limit.

## Astonish Zesty Lemon Concentrated Disinfectant

### Ethanol (CAS: 64-17-5)

<b>DNEL</b>	Workers - Dermal; Long term : 343 mg/kg
	Workers - Inhalation; : 950 mg/m <sup>3</sup>
	Consumer - Inhalation; local effects: 950 mg/m <sup>3</sup>
	Consumer - Dermal; Long term : 206 mg/kg
	Consumer - Inhalation; : 114 mg/m <sup>3</sup>
	Consumer - Oral; Long term : 87 mg/kg
<b>PNEC</b>	- Fresh water; 0.96 mg/l
	- marine water; 0.79 mg/l
	- Sediment (Freshwater); 3.6 mg/kg
	- Soil; 0.63 mg/kg

### Citric Acid Monohydrate (CAS: 5949-29-1)

<b>PNEC</b>	- Fresh water; 0.44 mg/l
	- Sediment (Freshwater); 3.46 mg/kg
	- Sediment (Marinewater); 34.6 mg/kg
	- marine water; 0.044 mg/l
	- STP; >1000 mg/l
	- Soil; 33.1 mg/kg

### methanol (CAS: 67-56-1)

<b>DNEL</b>	Workers - Dermal; Short term systemic effects: 40 mg/kg
	Workers - Inhalation; Short term systemic effects: 260 mg/m <sup>3</sup>
	Workers - Inhalation; Short term local effects: 260 mg/m <sup>3</sup>
	Workers - Dermal; Long term systemic effects: 40 mg/kg
	Workers - Inhalation; Long term systemic effects: 260 mg/m <sup>3</sup>
	Workers - Inhalation; Long term local effects: 260 mg/m <sup>3</sup>
	Consumer - Dermal; Short term systemic effects: 8 mg/kg
	Consumer - Inhalation; Short term systemic effects: 50 mg/m <sup>3</sup>
	Consumer - Oral; Short term systemic effects: 8 mg/kg
	Consumer - Inhalation; Long term local effects: 50 mg/m <sup>3</sup>
	Consumer - Oral; Long term systemic effects: 8 mg/kg
	Consumer - Inhalation; Long term systemic effects: 50 mg/m <sup>3</sup>
	Consumer - Dermal; Long term systemic effects: 8 mg/kg
	Consumer - Inhalation; Short term local effects: 50 mg/m <sup>3</sup>
<b>PNEC</b>	- Fresh water; 154 mg/l
	- marine water; 15.4 mg/l
	- Sediment; 570.4 mg/kg
	- Soil; 23.5 mg/kg
	- STP; 100 mg/l
	- Intermittent release; 1540 mg/l

## 8.2. Exposure controls

<b>Eye/face protection</b>	Wear eye protection. Avoid contact with face.
<b>Hand protection</b>	Wear protective gloves.
<b>Environmental exposure controls</b>	This product does not pose a hazard in normal use when following the usage instructions.

## SECTION 9: Physical and chemical properties

## Astonish Zesty Lemon Concentrated Disinfectant

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

<b>Appearance</b>	Clear Yellow Liquid
<b>Colour</b>	Yellow.
<b>Odour</b>	Lemon/Citrus
<b>Odour threshold</b>	Not known.
<b>pH</b>	pH (concentrated solution): 5.8 - 7.2
<b>Melting point</b>	Not known.
<b>Initial boiling point and range</b>	Not measured (>100°C)
<b>Flash point</b>	Not determined.
<b>Evaporation rate</b>	Not known.
<b>Evaporation factor</b>	Not known.
<b>Flammability (solid, gas)</b>	Does not ignite.
<b>Upper/lower flammability or explosive limits</b>	Does not ignite.
<b>Other flammability</b>	Not relevant.
<b>Vapour pressure</b>	Not determined.
<b>Vapour density</b>	> 1 (Air=1)
<b>Relative density</b>	0.990 - 1.000 @ 20°C
<b>Bulk density</b>	Not relevant.
<b>Solubility(ies)</b>	Soluble in water
<b>Partition coefficient</b>	Not known.
<b>Auto-ignition temperature</b>	Not known.
<b>Decomposition Temperature</b>	Not available.
<b>Viscosity</b>	Not determined.
<b>Explosive properties</b>	None
<b>Explosive under the influence of a flame</b>	Not considered to be explosive.
<b>Oxidising properties</b>	Not applicable.

### 9.2. Other information

**Other information** None.

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

**Reactivity** No reactivity hazards expected.

### 10.2. Chemical stability

**Stability** Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

## Astonish Zesty Lemon Concentrated Disinfectant

**Possibility of hazardous reactions** None under normal conditions.

### 10.4. Conditions to avoid

**Conditions to avoid** None known.

### 10.5. Incompatible materials

**Materials to avoid** None known.

### 10.6. Hazardous decomposition products

**Hazardous decomposition products** Carbon oxides.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

**Toxicological effects** This mixture has not been tested. Based on the available data of the ingredients the classification criteria are not met.

#### Acute toxicity - oral

**ATE oral (mg/kg)** 10,973.08

#### Acute toxicity - dermal

**ATE dermal (mg/kg)** 200,000.0

#### Acute toxicity - inhalation

**ATE inhalation (vapours mg/l)** 2,000.0

## SECTION 12: Ecological information

### 12.1. Toxicity

**Toxicity** Normal use of product is not expected to pose a risk to the environment.

### 12.2. Persistence and degradability

**Persistence and degradability** Contains detergents that satisfy the biodegradation requirements of directive 648/2004/EC. No other relevant information is available.

### 12.3. Bioaccumulative potential

**Bioaccumulative potential** Bioaccumulation is not expected.

**Partition coefficient** Not known.

### 12.4. Mobility in soil

**Mobility** The components of the mixture are readily absorbed into soil and are mobile in water environment.

### 12.5. Results of PBT and vPvB assessment

**Results of PBT and vPvB assessment** No data available.

### 12.6. Other adverse effects

**Other adverse effects** None known.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

## Astonish Zesty Lemon Concentrated Disinfectant

**General information** Dispose of according to local regulations. Avoid disposing into drainage systems and into the environment. Dispose of contaminated packaging in the same way as the product itself. Non-contaminated packages may be recycled.

### SECTION 14: Transport information

**General** Not regulated.

#### 14.1. UN number

Not applicable.

#### 14.2. UN proper shipping name

Not applicable.

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

Not regulated.

#### 14.4. Packing group

Not applicable.

#### 14.5. Environmental hazards

**Environmentally hazardous substance/marine pollutant**

No.

#### 14.6. Special precautions for user

Not applicable.

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

**Transport in bulk according to** Not applicable.

**Annex II of MARPOL 73/78  
and the IBC Code**

### SECTION 15: Regulatory information

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

##### **National regulations**

For Great Britain after the end of the transitional period, the EU Detergents Regulation - has been amended by the Detergents EU Exit Statutory Instruments (SIs), that is:

the Detergents (Amendment) (EU Exit) Regulations 2019 (S.I. 2019/672)  
the Detergents (Safeguarding) (Amendment) (EU Exit) Regulations 2019 (S.I. 2019/671)  
the Detergents (Amendment) (EU Exit) Regulations 2020 (S.I. 2020/1617)

For Great Britain after the end of the transitional period, the EU Biocides Regulations - has been amended by:

the Chemicals (Health and Safety) and Genetically Modified Organisms (Contained Use) (Amendment etc.) (EU Exit) Regulations 2019 (CMGO Regs 2019)  
the Chemicals (Health and Safety) and Genetically Modified Organisms (Contained Use) (Amendment etc.) (EU Exit) Regulations 2020 (CMGO Regs 2020)

##### **EU legislation**

This safety data sheet is compliant with EC Regulation 1907/2006 (REACH) as adapted by 453/2010, Directive 67/548/EEC and EC Regulation 1272/2008 (CLP).  
Dangerous Preparations Directive 1999/45/EC.  
Regulation (EC) No 648/2004 of the European Parliament and of the Council of 31 March 2004 on detergents (as amended).  
Biocidal Products Regulation (528/2012/EC)

## Astonish Zesty Lemon Concentrated Disinfectant

### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

### SECTION 16: Other information

**Abbreviations and acronyms used in the safety data sheet**

ATE: Acute Toxicity Estimate.  
 CAS: Chemical Abstracts Service.  
 DNEL: Derived No Effect Level.  
 ECHA: European Chemicals Agency  
 GHS: Globally Harmonized System.  
 PBT: Persistent, Bioaccumulative and Toxic substance.  
 PNEC: Predicted No Effect Concentration.  
 REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006.  
 vPvB: Very Persistent and Very Bioaccumulative.

**General information**

Note: The hazard statements below are explanations of phrases used in the SDS as abbreviations and DO NOT apply to the product. The statements applicable to the product are those identified in Section 2 only.

Any animal testing information or data listed in this safety data sheet is historic published data within the public domain. There is a requirement to declare this information if it is known and this does not impact our cruelty free status. The London Oil Refining Company Ltd does not commission animal testing.

**Revision comments**

Revised formulation. Updated Supplier Information. Updated Regulatory Information In Section 15

**Issued by**

The London Oil Refining Company Ltd

**Revision date**

08/07/2021

**Revision**

3.1

**Supersedes date**

03/11/2020

**SDS number**

5466

**Hazard statements in full**

H225 Highly flammable liquid and vapour.  
 H226 Flammable liquid and vapour.  
 H290 May be corrosive to metals.  
 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.  
 H360 May damage fertility or the unborn child.  
 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.



## SAFETY DATA SHEET

### Astonish Exotic Orchid Concentrated Disinfectant

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

##### 1.1. Product identifier

<b>Product name</b>	Astonish Exotic Orchid Concentrated Disinfectant
<b>Product number</b>	922001
<b>Internal identification</b>	9220F3V1

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

<b>Identified uses</b>	Disinfecting surfaces around the home. Effective against bacterial and enveloped viruses.
<b>Uses advised against</b>	Do not use for personal cleansing. Avoid direct contact with pets.

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

<b>Supplier</b>	The London Oil Refining Company Ltd Astonish House Unit 1 Premier Point Staithgate Lane Bradford, BD6 1DW, UK Tel: +44 1274 767440 (8am-4pm Mon-Fri) <a href="http://www.astonishcleaners.co.uk">www.astonishcleaners.co.uk</a>
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Astonish Cleaners Europe Ltd  
38 Main Street  
Swords  
Co. Dublin  
Republic of Ireland  
K67E0A2  
Tel: +353 768 885288 (8am-4pm Mon-Fri)  
[www.astonishcleaners.eu](http://www.astonishcleaners.eu)

<b>Contact person</b>	<a href="mailto:info@astonish.co.uk">info@astonish.co.uk</a> <a href="mailto:info@astonishcleaners.eu">info@astonishcleaners.eu</a>
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<b>Manufacturer</b>	As supplier.
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##### 1.4. Emergency telephone number

<b>Emergency telephone</b>	UK - Emergency Telephone: +44 (0) 1274 767440 (8am-4pm Mon-Fri). Alternatively in UK: Contact NHS 111 Telephone 111 (24 hours a day, 7 days a week); Website <a href="http://111.nhs.uk">111.nhs.uk</a> or a doctor.
	ROI - Emergency Telephone: +353 768 885288 (8am-4pm Mon-Fri) Poisons Information Centre of Ireland (ROI): + 353 (1) 809 2166 (8am-10pm 7 days a week)

#### SECTION 2: Hazards identification

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

###### Classification (EC 1272/2008)

<b>Physical hazards</b>	Not Classified
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## Astonish Exotic Orchid Concentrated Disinfectant

**Health hazards** Skin Irrit. 2 - H315 Eye Dam. 1 - H318

**Environmental hazards** Aquatic Chronic 3 - H412

### 2.2. Label elements

#### Hazard pictograms



**Signal word** Danger

**Hazard statements** EUH208 Contains Hexyl cinnamal, Linalool. May produce an allergic reaction.  
H315 Causes skin irritation.  
H318 Causes serious eye damage.  
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.  
P103 Read label before use.  
P264 Wash hands thoroughly after handling.  
P264 Wash contaminated skin thoroughly after handling.  
P273 Avoid release to the environment.  
P280 Wear protective gloves, eye and face protection.  
P302+P352 IF ON SKIN: Wash with plenty of water.  
P305+P351+P338+P310 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON Centre or doctor/physician.  
P332+P313 If skin irritation occurs: Get medical advice/ attention.  
P337+P313 If eye irritation persists: Get medical advice/ attention.

**Contains** Quaternary ammonium compounds, benzyl (C12 - C16) alkyl dimethyl, chlorides, Undecanol, branched and linear, ethoxylated (>5-15 EO)

**Additional Labelling** Irish PCS100223

**Biocide Labelling** Contains active substance: Quaternary ammonium compounds, benzyl (C12 - C16) alkyl dimethyl, chlorides

**Detergent labelling** < 5% cationic surfactants, < 5% disinfectants, < 5% non-ionic surfactants, < 5% perfumes, Contains Hexyl cinnamal, Linalool, Amyl Cinnamal, benzyl alcohol, dl-Citronellol, d-Limonene, Alpha-Isomethyl Ionone

### 2.3. Other hazards

None

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

<b>Ethanol</b>		<b>1-5%</b>
CAS number: 64-17-5	EC number: 200-578-6	REACH registration number: 01-2119457610-43-XXXX
<b>Classification</b>		
Flam. Liq. 2 - H225		
Eye Irrit. 2 - H319		



## Astonish Exotic Orchid Concentrated Disinfectant

<b>Quaternary ammonium compounds, benzyl (C12 - C16) alkyl dimethyl, chlorides</b> <span style="float: right;"><b>1-5%</b></span>		
CAS number: 68424-85-1	EC number: 270-325-2	REACH registration number: 01-2119965180-41-XXXX
M factor (Acute) = 10	M factor (Chronic) = 1	
<b>Classification</b> Acute Tox. 4 - H302 Skin Corr. 1B - H314 Eye Dam. 1 - H318 Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410		
<b>Undecanol, branched and linear, ethoxylated (&gt;5-15 EO)</b> <span style="float: right;"><b>1-5%</b></span>		
CAS number: 68439-46-3		
<b>Classification</b> Acute Tox. 4 - H302 Eye Dam. 1 - H318		
<b>Citric Acid Monohydrate</b> <span style="float: right;"><b>&lt;1%</b></span>		
CAS number: 5949-29-1	EC number: 201-069-1	REACH registration number: 01-2119457026-42-XXXX
<b>Classification</b> Eye Irrit. 2 - H319		
<b>methanol</b> <span style="float: right;"><b>&lt;1%</b></span>		
CAS number: 67-56-1	EC number: 200-659-6	REACH registration number: 01-2119433307-44-XXXX
<b>Classification</b> Flam. Liq. 2 - H225 Acute Tox. 3 - H301 Acute Tox. 3 - H311 Acute Tox. 3 - H331 STOT SE 1 - H370		
<b>Hexyl cinnamal</b> <span style="float: right;"><b>&lt;1%</b></span>		
CAS number: 101-86-0	EC number: 202-983-3	REACH registration number: 01-2119533092-50-XXXX
M factor (Acute) = 1		
<b>Classification</b> Skin Sens. 1B - H317 Aquatic Acute 1 - H400 Aquatic Chronic 2 - H411		

## Astonish Exotic Orchid Concentrated Disinfectant

<b>Linalool</b> <span style="float: right;"><b>&lt;1%</b></span>		
CAS number: 78-70-6	EC number: 201-134-4	REACH registration number: 01-2119474016-42-XXXX
<b>Classification</b> Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 Skin Sens. 1B - H317		
<b>Amyl Cinnamal</b> <span style="float: right;"><b>&lt;1%</b></span>		
CAS number: 122-40-7	EC number: 204-541-5	
<b>Classification</b> Skin Sens. 1B - H317 Aquatic Chronic 2 - H411		
<b>benzyl alcohol</b> <span style="float: right;"><b>&lt;1%</b></span>		
CAS number: 100-51-6	EC number: 202-859-9	
<b>Classification</b> Acute Tox. 4 - H302 Acute Tox. 4 - H332 Eye Irrit. 2 - H319		
<b>dl-Citronellol</b> <span style="float: right;"><b>&lt;1%</b></span>		
CAS number: 106-22-9	EC number: 203-375-0	REACH registration number: 01-2119453995-23-XXXX
<b>Classification</b> Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 Skin Sens. 1 - H317		
<b>d-Limonene</b> <span style="float: right;"><b>&lt;1%</b></span>		
CAS number: 5989-27-5	EC number: 227-813-5	REACH registration number: 01-2119529223-47-XXXX
M factor (Chronic) = 1		
<b>Classification</b> Flam. Liq. 3 - H226 Skin Irrit. 2 - H315 Skin Sens. 1B - H317 Asp. Tox. 1 - H304 Aquatic Chronic 1 - H410		

## Astonish Exotic Orchid Concentrated Disinfectant

<b>Alpha-Isomethyl Ionone</b>	<b>&lt;1%</b>
CAS number: 127-51-5	EC number: 204-846-3
<b>Classification</b>	
Skin Irrit. 2 - H315	
Eye Irrit. 2 - H319	
Skin Sens. 1 - H317	
Aquatic Chronic 2 - H411	
<b>Sodium Hydroxide</b>	<b>&lt;1%</b>
CAS number: 1310-73-2	EC number: 215-185-5
	REACH registration number: 01-2119457892-27-XXXX
<b>Classification</b>	
Met. Corr. 1 - H290	
Skin Corr. 1A - H314	

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 exposure and give water to drink if mouth irritation experienced. Seek medical advice if recovery not rapid.
<b>Ingestion</b>	Drink water. If symptoms persist seek medical advice.
<b>Skin contact</b>	Wash skin thoroughly with soap and water. Remove contaminated clothing and rinse skin thoroughly with water. Get medical attention if irritation persists after washing.
<b>Eye contact</b>	Do not rub eye. Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention immediately.
<b>Protection of first aiders</b>	First aid personnel should wear appropriate protective equipment during any rescue.

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

<b>Inhalation</b>	Possible mild irritation of breathing passage and possible mouth irritation.
<b>Ingestion</b>	Possible mild stomach upset and mild soreness of mouth.
<b>Skin contact</b>	Causes skin irritation.
<b>Eye contact</b>	Causes serious eye damage.

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

<b>Notes for the doctor</b>	No data available
<b>Specific treatments</b>	No data available.

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

**Suitable extinguishing media** Use extinguisher suitable to cause of fire.

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

**Specific hazards** Product does not support combustion, minimal fire hazard. Minimal quantities of oxides of carbon may be produced.

## Astonish Exotic Orchid Concentrated Disinfectant

### 5.3. Advice for firefighters

**Protective actions during firefighting** Use protection suitable to cause of fire.

## SECTION 6: Accidental release measures

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

**Personal precautions** Avoid contact with skin and eyes. For personal protection, see Section 8.

### 6.2. Environmental precautions

**Environmental precautions** Product is intended to be rinsed away to sewer after use. For bigger spillages non-household spillages prevent entry into sewer or drains.

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

**Methods for cleaning up** Absorb household spillages with e.g kitchen roll and dispose of in bin. Wipe affected area clean with a damp cloth.

### 6.4. Reference to other sections

**Reference to other sections** For personal protection, see Section 8. For waste disposal, see Section 13.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

**Usage precautions** Use as instructed on label. Avoid contact with skin and eyes.

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

**Storage precautions** Store in ambient conditions. Keep out of the reach of children.

### 7.3. Specific end use(s)

**Specific end use(s)** Disinfecting surfaces around the home.

## SECTION 8: Exposure controls/Personal protection

### 8.1. Control parameters

#### Occupational exposure limits

##### **Ethanol**

Short-term exposure limit (15-minute): ELV (IE) 1000 ppm

##### **methanol**

Short-term exposure limit (15-minute): WEL 250 ppm 333 mg/m<sup>3</sup>

Long-term exposure limit (8-hour TWA): ELV (IE) 200 ppm 260 mg/m<sup>3</sup>

##### **Linalool**

Long-term exposure limit (8-hour TWA): DNEL 2.5 mg/kg Dermal

Long-term exposure limit (8-hour TWA): DNEL 2.8 mg/m<sup>3</sup> Inhalation

Long-term exposure limit (8-hour TWA): DNEL 15 mg/cm<sup>3</sup> Dermal

Short-term exposure limit (15-minute): DNEL 15 mg/cm<sup>3</sup> Dermal

##### **Sodium Hydroxide**

Short-term exposure limit (15-minute): WEL 2 mg/m<sup>3</sup>

WEL = Workplace Exposure Limit.

Ethanol (CAS: 64-17-5)

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<b>DNEL</b>	Workers - Dermal; Long term : 343 mg/kg
	Workers - Inhalation; : 950 mg/m <sup>3</sup>
	Consumer - Inhalation; local effects: 950 mg/m <sup>3</sup>
	Consumer - Dermal; Long term : 206 mg/kg
	Consumer - Inhalation; : 114 mg/m <sup>3</sup>
	Consumer - Oral; Long term : 87 mg/kg

<b>PNEC</b>	- Fresh water; 0.96 mg/l
	- marine water; 0.79 mg/l
	- Sediment (Freshwater); 3.6 mg/kg
	- Soil; 0.63 mg/kg

### Citric Acid Monohydrate (CAS: 5949-29-1)

<b>PNEC</b>	- Fresh water; 0.44 mg/l
	- Sediment (Freshwater); 3.46 mg/kg
	- Sediment (Marinewater); 34.6 mg/kg
	- marine water; 0.044 mg/l
	- STP; >1000 mg/l
- Soil; 33.1 mg/kg	

### methanol (CAS: 67-56-1)

<b>DNEL</b>	Workers - Dermal; Short term systemic effects: 40 mg/kg
	Workers - Inhalation; Short term systemic effects: 260 mg/m <sup>3</sup>
	Workers - Inhalation; Short term local effects: 260 mg/m <sup>3</sup>
	Workers - Dermal; Long term systemic effects: 40 mg/kg
	Workers - Inhalation; Long term systemic effects: 260 mg/m <sup>3</sup>
	Workers - Inhalation; Long term local effects: 260 mg/m <sup>3</sup>
	Consumer - Dermal; Short term systemic effects: 8 mg/kg
	Consumer - Inhalation; Short term systemic effects: 50 mg/m <sup>3</sup>
	Consumer - Oral; Short term systemic effects: 8 mg/kg
	Consumer - Inhalation; Long term local effects: 50 mg/m <sup>3</sup>
	Consumer - Oral; Long term systemic effects: 8 mg/kg
	Consumer - Inhalation; Long term systemic effects: 50 mg/m <sup>3</sup>
	Consumer - Dermal; Long term systemic effects: 8 mg/kg
	Consumer - Inhalation; Short term local effects: 50 mg/m <sup>3</sup>

<b>PNEC</b>	- Fresh water; 154 mg/l
	- marine water; 15.4 mg/l
	- Sediment; 570.4 mg/kg
	- Soil; 23.5 mg/kg
	- STP; 100 mg/l
- Intermittent release; 1540 mg/l	

## 8.2. Exposure controls

<b>Eye/face protection</b>	Wear eye protection. Avoid contact with face.
<b>Hand protection</b>	Wear protective gloves.
<b>Environmental exposure controls</b>	This product does not pose a hazard in normal use when following the usage instructions.

## **SECTION 9: Physical and chemical properties**

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

<b>Appearance</b>	Clear pale green liquid
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## Astonish Exotic Orchid Concentrated Disinfectant

<b>Colour</b>	Pale Green
<b>Odour</b>	Floral
<b>Odour threshold</b>	Not known.
<b>pH</b>	pH (concentrated solution): 5.8 - 7.2
<b>Melting point</b>	Not known.
<b>Initial boiling point and range</b>	Not measured (>100°C)
<b>Flash point</b>	Not determined.
<b>Evaporation rate</b>	Not known.
<b>Evaporation factor</b>	Not known.
<b>Flammability (solid, gas)</b>	Does not ignite.
<b>Upper/lower flammability or explosive limits</b>	Does not ignite.
<b>Other flammability</b>	Not relevant.
<b>Vapour pressure</b>	Not determined.
<b>Vapour density</b>	> 1 (Air=1)
<b>Relative density</b>	0.990 - 1.000 @ 20°C
<b>Bulk density</b>	Not relevant.
<b>Solubility(ies)</b>	Soluble in water
<b>Partition coefficient</b>	Not known.
<b>Auto-ignition temperature</b>	Not known.
<b>Decomposition Temperature</b>	Not available.
<b>Viscosity</b>	Not determined.
<b>Explosive properties</b>	None
<b>Explosive under the influence of a flame</b>	Not considered to be explosive.
<b>Oxidising properties</b>	Not applicable.

### 9.2. Other information

**Other information** None.

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

**Reactivity** No reactivity hazards expected.

### 10.2. Chemical stability

**Stability** Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

**Possibility of hazardous reactions** None under normal conditions.

### 10.4. Conditions to avoid

## Astonish Exotic Orchid Concentrated Disinfectant

**Conditions to avoid** None known.

### 10.5. Incompatible materials

**Materials to avoid** None known.

### 10.6. Hazardous decomposition products

**Hazardous decomposition products** Carbon oxides.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

**Toxicological effects** This mixture has not been tested. Based on the available data of the ingredients the classification criteria are not met.

#### Acute toxicity - oral

**ATE oral (mg/kg)** 10,973.08

#### Acute toxicity - dermal

**ATE dermal (mg/kg)** 200,000.0

#### Acute toxicity - inhalation

**ATE inhalation (vapours mg/l)** 2,000.0

## SECTION 12: Ecological information

### 12.1. Toxicity

**Toxicity** Normal use of product is not expected to pose a risk to the environment.

### 12.2. Persistence and degradability

**Persistence and degradability** Contains detergents that satisfy the biodegradation requirements of directive 648/2004/EC. No other relevant information is available.

### 12.3. Bioaccumulative potential

**Bioaccumulative potential** Bioaccumulation is not expected.

**Partition coefficient** Not known.

### 12.4. Mobility in soil

**Mobility** The components of the mixture are readily absorbed into soil and are mobile in water environment.

### 12.5. Results of PBT and vPvB assessment

**Results of PBT and vPvB assessment** No data available.

### 12.6. Other adverse effects

**Other adverse effects** None known.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

**General information** Dispose of according to local regulations. Avoid disposing into drainage systems and into the environment. Dispose of contaminated packaging in the same way as the product itself. Non-contaminated packages may be recycled.

## Astonish Exotic Orchid Concentrated Disinfectant

### SECTION 14: Transport information

**General** Not regulated.

#### 14.1. UN number

Not applicable.

#### 14.2. UN proper shipping name

Not applicable.

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

Not regulated.

#### 14.4. Packing group

Not applicable.

#### 14.5. Environmental hazards

**Environmentally hazardous substance/marine pollutant**

No.

#### 14.6. Special precautions for user

Not applicable.

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

**Transport in bulk according to** Not applicable.

**Annex II of MARPOL 73/78**

**and the IBC Code**

### SECTION 15: Regulatory information

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

##### **National regulations**

For Great Britain after the end of the transitional period, the EU Detergents Regulation - has been amended by the Detergents EU Exit Statutory Instruments (SIs), that is:

the Detergents (Amendment) (EU Exit) Regulations 2019 (S.I. 2019/672)

the Detergents (Safeguarding) (Amendment) (EU Exit) Regulations 2019 (S.I. 2019/671)

the Detergents (Amendment) (EU Exit) Regulations 2020 (S.I. 2020/1617)

For Great Britain after the end of the transitional period, the EU Biocides Regulations - has been amended by:

the Chemicals (Health and Safety) and Genetically Modified Organisms (Contained Use) (Amendment etc.) (EU Exit) Regulations 2019 (CMGO Regs 2019)

the Chemicals (Health and Safety) and Genetically Modified Organisms (Contained Use) (Amendment etc.) (EU Exit) Regulations 2020 (CMGO Regs 2020)

##### **EU legislation**

This safety data sheet is compliant with EC Regulation 1907/2006 (REACH) as adapted by 453/2010, Directive 67/548/EEC and EC Regulation 1272/2008 (CLP).

Dangerous Preparations Directive 1999/45/EC.

Regulation (EC) No 648/2004 of the European Parliament and of the Council of 31 March 2004 on detergents (as amended).

Biocidal Products Regulation (528/2012/EC)

#### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out.



## Astonish Exotic Orchid Concentrated Disinfectant

### SECTION 16: Other information

<b>Abbreviations and acronyms used in the safety data sheet</b>	<p>ATE: Acute Toxicity Estimate.  CAS: Chemical Abstracts Service.  DNEL: Derived No Effect Level.  ECHA: European Chemicals Agency  GHS: Globally Harmonized System.  PBT: Persistent, Bioaccumulative and Toxic substance.  PNEC: Predicted No Effect Concentration.  REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006.  vPvB: Very Persistent and Very Bioaccumulative.</p>
<b>General information</b>	<p>Note: The hazard statements below are explanations of phrases used in the SDS as abbreviations and DO NOT apply to the product. The statements applicable to the product are those identified in Section 2 only.</p> <p>Any animal testing information or data listed in this safety data sheet is historic published data within the public domain. There is a requirement to declare this information if it is known and this does not impact our cruelty free status. The London Oil Refining Company Ltd does not commission animal testing.</p>
<b>Revision comments</b>	Revised formulation. Updated Supplier Information. Updated Regulatory Information In Section 15
<b>Issued by</b>	The London Oil Refining Company Ltd
<b>Revision date</b>	07/07/2021
<b>Revision</b>	3.1
<b>Supersedes date</b>	03/11/2020
<b>SDS number</b>	5467
<b>Hazard statements in full</b>	<p>H225 Highly flammable liquid and vapour.  H226 Flammable liquid and vapour.  H290 May be corrosive to metals.  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.  H332 Harmful if inhaled.  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.  EUH208 Contains Hexyl cinnamal, Linalool. May produce an allergic reaction.</p>