



## SAFETY DATA SHEET

### Astonish Floor Cleaner Orchard Blossom

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

##### 1.1. Product identifier

**Product name** Astonish Floor Cleaner Orchard Blossom  
**Product number** 261001  
**Internal identification** F1V1

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

**Identified uses** Cleaning vinyl, linoleum, ceramic and natural stone floors.

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

###### Supplier

The London Oil Refining Company Ltd  
Astonish House  
Unit 1 Premier Point  
Staithgate Lane  
Bradford BD6 1DW  
(01274) 767440 (office hours only)  
[www.astonishcleaners.com](http://www.astonishcleaners.com)  
(01274) 726285

**Contact person** info@astonish.co.uk

##### 1.4. Emergency telephone number

**Emergency telephone** (01274) 767440 (office hours only)

#### SECTION 2: Hazards identification

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

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

**Physical hazards** Not Classified  
**Health hazards** Eye Irrit. 2 - H319  
**Environmental hazards** Not Classified

##### 2.2. Label elements

###### Pictogram



**Signal word** Warning

**Hazard statements** H319 Causes serious eye irritation.  
EUH208 Contains 1,2-benzisothiazol-3(2H)-one. May produce an allergic reaction.

## Astonish Floor Cleaner Orchard Blossom

<b>Precautionary statements</b>	<p>P101 If medical advice is needed, have product container or label at hand.</p> <p>P102 Keep out of reach of children.</p> <p>P103 Read label before use.</p> <p>P264 Wash hands thoroughly after handling.</p> <p>P280 Wear eye and face protection.</p> <p>P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.</p> <p>P337+P313 If eye irritation persists: Get medical advice/ attention.</p>
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### Additional Labelling

<b>Detergent labelling</b>	< 5% anionic surfactants, < 5% perfumes, Contains 2-methylisothiazol-3(2H)-one, 1,2-benzisothiazol-3(2H)-one
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### 2.3. Other hazards

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

#### 3.2. Mixtures

<b>Sodium Carbonate</b>		<b>&lt;1%</b>
CAS number: 497-19-8	EC number: 207-838-8	REACH registration number: 01-2119485498-19-0000
<b>Classification</b> Eye Irrit. 2 - H319	<b>Classification (67/548/EEC or 1999/45/EC)</b> Xi; R36	
<b>Citric Acid Monohydrate</b>		<b>&lt;1%</b>
CAS number: 5949-29-1	EC number: 201-069-1	
<b>Classification</b> Eye Irrit. 2 - H319	<b>Classification (67/548/EEC or 1999/45/EC)</b> Xi; R36	
<b>2,2'-iminodiethanol</b>		<b>&lt;1%</b>
CAS number: 111-42-2	EC number: 203-868-0	
<b>Classification</b> Acute Tox. 4 - H302 Skin Irrit. 2 - H315 Eye Dam. 1 - H318 STOT RE 2 - H373	<b>Classification (67/548/EEC or 1999/45/EC)</b> Xn; R22, R48/22. Xi; R38, R41	
<b>tetrasodium ethylene diamine tetraacetate</b>		<b>&lt;1%</b>
CAS number: 64-02-8	EC number: 200-573-9	
<b>Classification</b> Met. Corr. 1 - H290 Acute Tox. 4 - H302 Acute Tox. 4 - H332 Eye Dam. 1 - H318 STOT RE 2 - H373	<b>Classification (67/548/EEC or 1999/45/EC)</b> Xn; R22. Xi; R41	

## Astonish Floor Cleaner Orchard Blossom

<b>2,6-dimethyloct-7-en-2-ol</b>		<b>&lt;1%</b>
CAS number: 18479-58-8	EC number: 242-362-4	
<b>Classification</b> Skin Irrit. 2 - H315 Eye Irrit. 2 - H319	<b>Classification (67/548/EEC or 1999/45/EC)</b> Xi; R36/38	
<b>(ethoxymethoxy) cyclododecane</b>		<b>&lt;1%</b>
CAS number: 58567-11-6	EC number: 261-332-1	REACH registration number: 01-2119971571-34-0000
<b>Classification</b> Skin Irrit. 2 - H315 Skin Sens. 1 - H317 Aquatic Chronic 2 - H411		
<b>2-methylisothiazol-3(2H)-one</b>		<b>&lt;1%</b>
CAS number: 2682-20-4	EC number: 220-239-6	
M factor (Acute) = 1		
<b>Classification</b> Acute Tox. 3 - H301 Acute Tox. 3 - H311 Acute Tox. 2 - H330 Skin Corr. 1B - H314 Skin Sens. 1 - H317 STOT SE 3 - H335 Aquatic Acute 1 - H400 Aquatic Chronic 2 - H411	<b>Classification (67/548/EEC or 1999/45/EC)</b> T; R23. Xn; R22. C; R34. N; R50. R43	
<b>1,2-benzisothiazol-3(2H)-one</b>		<b>&lt;1%</b>
CAS number: 2634-33-5	EC number: 220-120-9	
M factor (Acute) = 1		
<b>Classification</b> Acute Tox. 4 - H302 Skin Irrit. 2 - H315 Eye Dam. 1 - H318 Skin Sens. 1 - H317 Aquatic Acute 1 - H400 Aquatic Chronic 2 - H411	<b>Classification (67/548/EEC or 1999/45/EC)</b> Xn; R22. Xi; R38, R41. N; R50. R43	
<b>(E)-4-(2,6,6-trimethyl-1-cyclohexen-1-yl)-3-buten-2-one</b>		<b>&lt;1%</b>
CAS number: 79-77-6	EC number: 201-224-3	REACH registration number: 01-2119449921-34-0000
<b>Classification</b> Aquatic Chronic 2 - H411		

## Astonish Floor Cleaner Orchard Blossom

<b>3-octanol, 3,7-dimethyl</b>		<b>&lt;1%</b>
CAS number: 78-69-3	EC number: 201-133-9	
<b>Classification</b> Flam. Liq. 3 - H226 Skin Irrit. 2 - H315 Eye Irrit. 2 - H319	<b>Classification (67/548/EEC or 1999/45/EC)</b> Xi; R36/38. R10	
<b>Sodium Hydroxide</b>		<b>&lt;1%</b>
CAS number: 1310-73-2	EC number: 215-185-5	REACH registration number: 01-2119457892-07-0000
<b>Classification</b> Met. Corr. 1 - H290 Skin Corr. 1A - H314	<b>Classification (67/548/EEC or 1999/45/EC)</b> C; R35	
<b>Linalool</b>		<b>&lt;1%</b>
CAS number: 78-70-6	EC number: 201-134-4	
<b>Classification</b> Skin Irrit. 2 - H315 Eye Irrit. 2 - H319	<b>Classification (67/548/EEC or 1999/45/EC)</b> Xi; R36/38	

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>	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation persists after washing.

#### 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 eye irritation.

#### 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

## Astonish Floor Cleaner Orchard Blossom

**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.

### 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

## 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)

## SECTION 8: Exposure Controls/personal protection

### 8.1. Control parameters

#### Occupational exposure limits

##### **Sodium Carbonate**

Long-term exposure limit (8-hour TWA): 10 mg/m<sup>3</sup>

##### **2,2'-iminodiethanol**

Long-term exposure limit (8-hour TWA): WEL 13 mg/m<sup>3</sup>

##### **2,6-dimethyloct-7-en-2-ol**

Long-term exposure limit (8-hour TWA): DNEL 73.5 mg/m<sup>3</sup> Inhalation

Long-term exposure limit (8-hour TWA): DNEL 20.8 mg/kg Dermal

##### **3-octanol, 3,7-dimethyl**

Long-term exposure limit (8-hour TWA): DNEL 2.75 mg/m<sup>3</sup> Inhalation

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

Short-term exposure limit (15-minute): DNEL 2.76 mg/cm<sup>2</sup> Dermal

##### **Sodium Hydroxide**

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

##### **Linalool**

## Astonish Floor Cleaner Orchard Blossom

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  
 WEL = Workplace Exposure Limit

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

**PNEC**

- 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

### (ethoxymethoxy) cyclododecane (CAS: 58567-11-6)

**DNEL**

Workers - Inhalation; Long term systemic effects: 23.5 mg/m<sup>3</sup>  
 Workers - Dermal; Long term systemic effects: 3.3 mg/kg bw/day  
 Consumer - Inhalation; Long term systemic effects: 5.8 mg/m<sup>3</sup>  
 Consumer - Dermal; Long term systemic effects: 1.67 mg/kg bw/day  
 Consumer - Oral; Long term systemic effects: 1.67 mg/kg bw/day

**PNEC**

- Fresh water; 0.0016 mg/l
- Marine water; 0.00016 mg/l
- Intermittent release; 0.016 mg/l
- Sediment (Freshwater); 2.35 mg/kg
- Sediment (Marinewater); 0.235 mg/kg
- Soil; 0.468 mg/kg

### (E)-4-(2,6,6-trimethyl-1-cyclohexen-1-yl)-3-buten-2-one (CAS: 79-77-6)

**DNEL**

Consumer - Inhalation; Long term systemic effects: 3.1 mg/m<sup>3</sup>  
 Workers - Inhalation; Long term systemic effects: 12.7 mg/m<sup>3</sup>  
 Consumer - Dermal; Long term systemic effects: 3.6 mg/kg  
 Workers - Dermal; Long term systemic effects: 6 mg/kg  
 Consumer - Oral; Long term systemic effects: 1.8 mg/kg

**PNEC**

- Fresh water; 0.00403 mg/l
- Marine water; 0.0004 mg/l
- Intermittent release; 0.0403 mg/l
- Sediment (Freshwater); 0.151 mg/kg
- Sediment (Marinewater); 0.0151 mg/kg
- Soil; 0.0508 mg/kg

## 8.2. Exposure controls

**Environmental exposure controls** This product does not pose a hazard in normal use.

## SECTION 9: Physical and Chemical Properties

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

<b>Appearance</b>	Clear Bright Pink thin Liquid
<b>Colour</b>	Bright Pink
<b>Odour</b>	Fruity/Floral

## Astonish Floor Cleaner Orchard Blossom

<b>Odour threshold</b>	Not known.
<b>pH</b>	pH (concentrated solution): 8.0 - 10.0
<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>	1.000 - 1.006 @ 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

## Astonish Floor Cleaner Orchard Blossom

**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.

## SECTION 12: Ecological Information

### 12.1. Toxicity

**Toxicity**                                      The mixture has not been tested. Based on the available data of the ingredients the classification criteria are not met.

### 12.2. Persistence and degradability

**Persistence and degradability**      Does not contain any components considered to be persistent. Contains detergents that satisfy the biodegradation requirements of directive 648/2004/EC.

### 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**      This product does not contain any substances classified as PBT or vPvB.

### 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.

### 14.2. UN proper shipping name

Not applicable.

### 14.3. Transport hazard class(es)



## Astonish Floor Cleaner Orchard Blossom

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

**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 31st March 2004 on detergents.

### 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**

CAS: Chemical Abstracts Service.  
DNEL: Derived No Effect Level.  
PBT: Persistent, Bioaccumulative and Toxic substance.  
PNEC: Predicted No Effect Concentration.  
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.

**Revision comments**

This is first issue.

**Issued by**

The London Oil Refining Company Ltd

**Revision date**

24/05/2017

**SDS number**

5242

## Astonish Floor Cleaner Orchard Blossom

### Risk phrases in full

R10 Flammable.  
R22 Harmful if swallowed.  
R23 Toxic by inhalation.  
R34 Causes burns.  
R36 Irritating to eyes.  
R36/38 Irritating to eyes and skin.  
R38 Irritating to skin.  
R41 Risk of serious damage to eyes.  
R43 May cause sensitisation by skin contact.  
R48/22 Harmful: danger of serious damage to health by prolonged exposure if swallowed.  
R50 Very toxic to aquatic organisms.

### Hazard statements in full

H226 Flammable liquid and vapour.  
H290 May be corrosive to metals.  
H301 Toxic if swallowed.  
H302 Harmful if swallowed.  
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.  
H330 Fatal if inhaled.  
H332 Harmful if inhaled.  
H335 May cause respiratory irritation.  
H373 May cause damage to organs through prolonged or repeated exposure.  
H373 May cause damage to organs (Respiratory tract) through prolonged or repeated exposure.  
H400 Very toxic to aquatic life.  
H411 Toxic to aquatic life with long lasting effects.  
EUH208 Contains 1,2-benzisothiazol-3(2H)-one. May produce an allergic reaction.