



## SAFETY DATA SHEET

### Astonish Wood Floor Cleaner

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

##### 1.1. Product identifier

**Product name** Astonish Wood Floor Cleaner  
**Product number** WOOD(MIX)SEALED  
**Internal identification** F9V2

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

**Identified uses** Cleaning laminate and sealed wood 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](mailto: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 Wood Floor Cleaner

<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% non-ionic surfactants, < 5% perfumes, < 5% soap, Contains benzyl benzoate, 1,2-benzisothiazol-3(2H)-one, 2-methylisothiazol-3(2H)-one
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### 2.3. Other hazards

None

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

<b>Undecanol, branched and linear, ethoxylated (&gt;5-15 EO)</b>			<b>1-5%</b>
CAS number: 127036-24-2		EC number: 931-721-7	
<b>Classification</b>	<b>Classification (67/548/EEC or 1999/45/EC)</b>		
Acute Tox. 4 - H302	Xn; R22. Xi; R41		
Eye Dam. 1 - H318			
<b>Butyl Diglycol</b>			<b>1-5%</b>
CAS number: 112-34-5		EC number: 203-961-6	
<b>Classification</b>	<b>Classification (67/548/EEC or 1999/45/EC)</b>		
Eye Irrit. 2 - H319	Xi; R36		
<b>Isopropanol</b>			<b>1-5%</b>
CAS number: 67-63-0		EC number: 200-661-7	
		REACH registration number: 01-2119457558-25-0000	
<b>Classification</b>	<b>Classification (67/548/EEC or 1999/45/EC)</b>		
Flam. Liq. 2 - H225	F; R11. Xi; R36. R67		
Eye Irrit. 2 - H319			
STOT SE 3 - H336			
<b>C9/C11 Alcohol Ethoxylate 2.5Meo</b>			<b>1-5%</b>
CAS number: —			
<b>Classification</b>	<b>Classification (67/548/EEC or 1999/45/EC)</b>		
Eye Dam. 1 - H318	Xi; R41		

## Astonish Wood Floor Cleaner

<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>	<b>Classification (67/548/EEC or 1999/45/EC)</b>	
Acute Tox. 4 - H302	Xn; R22. Xi; R38, R41. N; R50. R43	
Skin Irrit. 2 - H315		
Eye Dam. 1 - H318		
Skin Sens. 1 - H317		
Aquatic Acute 1 - H400		
Aquatic Chronic 2 - H411		
<b>Citric Acid Monohydrate</b>		<b>&lt;1%</b>
CAS number: 5949-29-1	EC number: 201-069-1	
<b>Classification</b>	<b>Classification (67/548/EEC or 1999/45/EC)</b>	
Eye Irrit. 2 - H319	Xi; R36	
<b>1-(1,2,3,4,5,6,7,8-Octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one</b>		<b>&lt;1%</b>
CAS number: 54464-57-2	EC number: 259-174-3	
M factor (Chronic) = 1		
<b>Classification</b>	<b>Classification (67/548/EEC or 1999/45/EC)</b>	
Skin Irrit. 2 - H315	Xi; R38. N; R51/53. R43	
Skin Sens. 1B - H317		
Aquatic Chronic 1 - H410		
<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>	<b>Classification (67/548/EEC or 1999/45/EC)</b>	
Skin Irrit. 2 - H315	Xi; R36/38	
Eye Irrit. 2 - H319		
<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>	<b>Classification (67/548/EEC or 1999/45/EC)</b>	
Met. Corr. 1 - H290	C; R35	
Skin Corr. 1A - H314		

## Astonish Wood Floor Cleaner

<b>Acetyl cedrene</b>	<b>&lt;1%</b>
CAS number: 32388-55-9	EC number: 251-020-3
M factor (Chronic) = 1	
<b>Classification</b> Skin Sens. 1B - H317 Aquatic Chronic 1 - H410	<b>Classification (67/548/EEC or 1999/45/EC)</b> N; R50/53. R43
<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>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

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>	Rinse affected area with water.
<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>	Possible mild transient irritation of skin.
<b>Eye contact</b>	Causes eye irritation.

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

## Astonish Wood Floor Cleaner

**Notes for the doctor** No data available

**Specific treatments** 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.

#### 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** None

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

**Usage precautions** Use as instructed on label. Avoid contact with 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)** Cleaning wood floors

### SECTION 8: Exposure Controls/personal protection

#### 8.1. Control parameters

##### Occupational exposure limits

##### **Butyl Diglycol**

Long-term exposure limit (8-hour TWA): 10 ppm 67.5 mg/m<sup>3</sup>

Short-term exposure limit (15-minute): 15 ppm 101.2 mg/m<sup>3</sup>

##### **Isopropanol**

Long-term exposure limit (8-hour TWA): EH40 WEL, WEL 400 ppm 999 mg/m<sup>3</sup>

Short-term exposure limit (15-minute): EH40 WEL 500 ppm 1,250 mg/m<sup>3</sup>

##### **1-(1,2,3,4,5,6,7,8-Octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one**

## Astonish Wood Floor Cleaner

Long-term exposure limit (8-hour TWA): DNEL 0.1011 mg/cm<sup>3</sup> Dermal

Long-term exposure limit (8-hour TWA): DNEL 1.76 mg/m<sup>3</sup> Inhalation

Long-term exposure limit (8-hour TWA): DNEL 1.73 mg/kg Dermal

### 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

### Sodium Hydroxide

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

### Acetyl cedrene

Long-term exposure limit (8-hour TWA): DNEL 1.175 mg/m<sup>3</sup> Inhalation

Long-term exposure limit (8-hour TWA): DNEL 0.333 mg/kg Dermal

### Sodium Carbonate

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

WEL = Workplace Exposure Limit

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

<b>PNEC</b>	<ul style="list-style-type: none"> <li>- Fresh water; 0.44 mg/l</li> <li>- Sediment (Freshwater); 3.46 mg/kg</li> <li>- Sediment (Marinewater); 34.6 mg/kg</li> <li>- Marine water; 0.044 mg/l</li> <li>- STP; &gt;1000 mg/l</li> <li>- Soil; 33.1 mg/kg</li> </ul>
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### 8.2. Exposure controls

<b>Environmental exposure controls</b>	This product does not pose a hazard in normal use when following the usage instructions. Take care to avoid contact with skin and eyes.
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## **SECTION 9: Physical and Chemical Properties**

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

<b>Appearance</b>	Clear thin pink/red liquid
<b>Colour</b>	Pink/Red
<b>Odour</b>	Fruity/Floral
<b>Odour threshold</b>	Not known.
<b>pH</b>	pH (concentrated solution): 7.5 - 9.2
<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.

## Astonish Wood Floor Cleaner

<b>Vapour pressure</b>	Not determined.
<b>Vapour density</b>	1 (Air=1)
<b>Relative density</b>	1.000 - 1.020 1.000 - 1.020 @ 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

**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)** 16,470.59

## Astonish Wood Floor Cleaner

### Undecanol, branched and linear, ethoxylated (>5-15 EO)

#### Acute toxicity - oral

Acute toxicity oral (LD<sub>50</sub> mg/kg) 350.0

Species Rat

ATE oral (mg/kg) 350.0

#### Acute toxicity - dermal

Acute toxicity dermal (LD<sub>50</sub> mg/kg) 2,001.0

Species Rat

ATE dermal (mg/kg) 2,001.0

### Butyl Diglycol

#### Acute toxicity - oral

Acute toxicity oral (LD<sub>50</sub> mg/kg) 2,000.0

Species Rat

#### Acute toxicity - dermal

Acute toxicity dermal (LD<sub>50</sub> mg/kg) 2,000.0

Species Rabbit

### Isopropanol

#### Acute toxicity - oral

Acute toxicity oral (LD<sub>50</sub> mg/kg) 5,820.0

Species Rat

ATE oral (mg/kg) 5,820.0

#### Acute toxicity - dermal

Acute toxicity dermal (LD<sub>50</sub> mg/kg) 12,800.0

Species Rabbit

ATE dermal (mg/kg) 12,800.0

### C9/C11 Alcohol Ethoxylate 2.5Meo

#### Acute toxicity - oral

Acute toxicity oral (LD<sub>50</sub> mg/kg) 2,000.0

Species Rat

### 1,2-benzisothiazol-3(2H)-one



## Astonish Wood Floor Cleaner

### Acute toxicity - oral

Acute toxicity oral (LD<sub>50</sub>  
mg/kg) 2,660.0

Species Acute toxicity estimate

ATE oral (mg/kg) 500.0

## 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.

#### Undecanol, branched and linear, ethoxylated (>5-15 EO)

Acute toxicity - fish LC<sub>50</sub>, 96 hours: >1 - 10 mg/l, Cyprinus carpio (Common carp)

Acute toxicity - aquatic invertebrates EC<sub>50</sub>, 48 hours: >1 - 10 mg/l, Daphnia magna

Acute toxicity - aquatic plants EC<sub>50</sub>, 72 hours: >1 - 10 mg/l, Desmodesmus subspicatus

#### Butyl Diglycol

Acute toxicity - fish LC<sub>50</sub>, : 100 mg/l, Algae

Acute toxicity - aquatic invertebrates EC<sub>50</sub>, 48 hours: >100 mg/l, Daphnia magna

Acute toxicity - aquatic plants EC<sub>50</sub>, : 100 mg/l, Desmodesmus subspicatus

#### Isopropanol

Acute toxicity - fish LC<sub>50</sub>, 96 hours: 9640 mg/l, Pimephales promelas (Fat-head Minnow)

Acute toxicity - aquatic invertebrates EC<sub>50</sub>, 48 hours: 13299 mg/l, Daphnia magna

Acute toxicity - aquatic plants EC<sub>50</sub>, 72 hours: 1.000 mg/l, Desmodesmus subspicatus

Acute toxicity - microorganisms EC<sub>50</sub>, : >1000 mg/l, Activated sludge

#### C9/C11 Alcohol Ethoxylate 2.5Meo

Acute toxicity - fish LC<sub>50</sub>, 96 hours: 1-10 mg/l, Algae

#### 1,2-benzisothiazol-3(2H)-one

### Acute aquatic toxicity

LE(C)<sub>50</sub> 0.1 < L(E)C<sub>50</sub> ≤ 1

M factor (Acute) 1

### 12.2. Persistence and degradability

## Astonish Wood Floor Cleaner

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

### Butyl Diglycol

**Biodegradation**

- Degradation 76: 28 days
- Degradation 90-100: 8 days
- Degradation 90-100: 14 days

### Isopropanol

**Biodegradation** - Degradation 95: 21 days

### 12.3. Bioaccumulative potential

**Bioaccumulative potential** No bio-accumulative potential noted for any component.

**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.

### Butyl Diglycol

**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** Not available.

## 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)

Not regulated.

### 14.4. Packing group

## Astonish Wood Floor Cleaner

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

## 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.  
LC<sub>50</sub>: Lethal Concentration to 50 % of a test population.  
LD<sub>50</sub>: Lethal Dose to 50% of a test population (Median Lethal Dose).  
PBT: Persistent, Bioaccumulative and Toxic substance.  
vPvB: Very Persistent and Very Bioaccumulative.  
PNEC: Predicted No Effect Concentration.  
EC<sub>50</sub>: 50% of maximal Effective Concentration.

**Revision comments**

Updated Supplier Information

**Issued by**

The London Oil Refining Company Ltd

**Revision date**

22/05/2017

**Revision**

9.2

**Supersedes date**

12/03/2015

**SDS number**

4993

## Astonish Wood Floor Cleaner

### Risk phrases in full

R11 Highly flammable.  
R22 Harmful if swallowed.  
R23 Toxic by inhalation.  
R34 Causes burns.  
R35 Causes severe 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.  
R50 Very toxic to aquatic organisms.  
R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.  
R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.  
R67 Vapours may cause drowsiness and dizziness.

### Hazard statements in full

H225 Highly 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.  
H335 May cause respiratory irritation.  
H336 May cause drowsiness or dizziness.  
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.  
EUH208 Contains 1,2-benzisothiazol-3(2H)-one. May produce an allergic reaction.