



## SAFETY DATA SHEET

### Astonish Premium Edition Mould & Mildew Stain Blaster

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

##### 1.1. Product identifier

Product name	Astonish Premium Edition Mould & Mildew Stain Blaster
Product number	112001
Internal identification	F1V3

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

Identified uses	Removal of mould and mildew stains on a household scale
Uses advised against	Do not use on fabrics, wood or paper as colour change may occur. Check colour compatibility with natural stone.

##### 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 UK + 44 1274 767440 + 44 1274 726285 www.astonishcleaners.com
Contact person	info@astonish.co.uk
Manufacturer	As supplier.

##### 1.4. Emergency telephone number

Emergency telephone	(01274) 767440 (office hours only)
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#### SECTION 2: Hazards identification

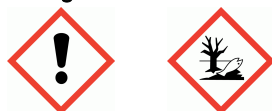
##### 2.1. Classification of the substance or mixture

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

Physical hazards	Not Classified
Health hazards	Skin Irrit. 2 - H315 Eye Irrit. 2 - H319
Environmental hazards	Aquatic Acute 1 - H400

##### 2.2. Label elements

###### Pictogram



Signal word	Warning
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<b>Hazard statements</b>	H315 Causes skin irritation. H319 Causes serious eye irritation. H400 Very toxic to aquatic life.
<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. 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 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P332+P313 If skin irritation occurs: Get medical advice/ attention. P337+P313 If eye irritation persists: Get medical advice/ attention.
<b>Additional Labelling</b>	Not Intended For Pesticidal Use.
<b>Detergent labelling</b>	< 5% anionic surfactants, < 5% chlorine-based bleaching agents, < 5% non-ionic surfactants

### 2.3. Other hazards

None

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

<b>sodium hypochlorite</b>			<b>1-5%</b>
CAS number: 7681-52-9	EC number: 231-668-3	REACH registration number: 01-2119488154-34-0000	
M factor (Acute) = 10			
<b>Classification</b>		<b>Classification (67/548/EEC or 1999/45/EC)</b>	
Met. Corr. 1 - H290		C; R34. N; R50. R31	
Skin Corr. 1B - H314			
Eye Dam. 1 - H318			
STOT SE 3 - H335			
Aquatic Acute 1 - H400			

<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			

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<b>Amine, coco alkyldimethyl, N-oxides</b>		<b>&lt;1%</b>
CAS number: 61788-90-7                      EC number: 263-016-9 M factor (Acute) = 1		
<b>Classification</b> Acute Tox. 4 - H302 Skin Irrit. 2 - H315 Eye Dam. 1 - H318 Aquatic Acute 1 - H400 Aquatic Chronic 2 - H411	<b>Classification (67/548/EEC or 1999/45/EC)</b> Xn; R22. Xi; R41, R38. N; R50, R51/53	
<b>Mixture of tetrasodium phosphonoethane-1,2-dicarboxylate and Hexasodium phosphonobutane-1,2,3,4-tetracarboxylate</b>		<b>&lt;1%</b>
CAS number: 143239-08-1                      EC number: 410-800-5		
<b>Classification</b> Not Classified		
<b>Sodium N-lauroylsarcosinate</b>		<b>&lt;1%</b>
CAS number: 137-16-6                      EC number: 205-281-5		
<b>Classification</b> Acute Tox. 2 - H330 Skin Irrit. 2 - H315 Eye Dam. 1 - H318	<b>Classification (67/548/EEC or 1999/45/EC)</b> T; R23. Xi; R41, R38	

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. 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.

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### 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. Heat may result in chlorine gas, hydrogen chloride gas and chlorine oxides.

#### 5.3. Advice for firefighters

**Protective actions during firefighting** Use protection suitable to cause of fire. Wear breathing apparatus suitable for chlorine gas

### 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 breathing spray. Point spray away from face. Avoid contact with skin and eyes. Do not mix with other products. May release dangerous gas (chlorine).

**Incompatible Materials** Acids

#### 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)** Removal of mould and mildew stains on a household scale Observe precautions in section 7.1.

### SECTION 8: Exposure Controls/personal protection

#### 8.1. Control parameters

##### Occupational exposure limits

##### sodium hypochlorite

Short-term exposure limit (15-minute): EU ELV 0.5 ppm 1.5 mg/m<sup>3</sup> Chlorine

Short-term exposure limit (15-minute): EH40 WEL 0.5 ppm 1.5 mg/m<sup>3</sup> Chlorine

##### Sodium Hydroxide

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

WEL = Workplace Exposure Limit

Amine, coco alkyldimethyl, N-oxides (CAS: 61788-90-7)

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<b>DNEL</b>	<p>Workers - Dermal; systemic effects: 11 mg/kg/day</p> <p>Workers - Inhalation; systemic effects: 15.5 mg/m<sup>3</sup></p> <p>Workers - Dermal; local effects: 0.27 %</p> <p>General population - Dermal; systemic effects: 5.5 mg/kg/day</p> <p>General population - Inhalation; systemic effects: 3.8 mg/m<sup>3</sup></p> <p>General population - Oral; systemic effects: 0.44 mg/kg/day</p>
<b>PNEC</b>	<p>- Fresh water; 0.0335 mg/l</p> <p>- Marine water; 0.00335 mg/l</p> <p>- Intermittent release; 0.0335 mg/l</p> <p>- Sediment (Freshwater); 5.24 mg/kg</p> <p>- Sediment (Marinewater); 0.524 mg/kg</p> <p>- Soil; 1.02 mg/kg</p> <p>- STP; 24 mg/kg</p>

### Mixture of tetrasodium phosphonoethane-1,2-dicarboxylate and Hexasodium phosphonobutane-1,2,3,4-tetracarboxylate (CAS: 143239-08-1)

<b>DMEL</b>	- Inhalation; Long term local effects: 10 mg/m <sup>3</sup>
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#### 8.2. Exposure controls

<b>Eye/face protection</b>	Wear tight-fitting, chemical splash goggles or face shield.
<b>Hand protection</b>	Wear protective gloves made of the following material: Butyl rubber. Polyvinyl chloride (PVC). Chloroprene rubber.
<b>Respiratory protection</b>	Use in a well ventilated area. If this is not possible use a respirator with combination filter e.g. B-P2 or B-P3
<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, yellowish liquid.
<b>Colour</b>	Yellowish.
<b>Odour</b>	Of Hypochlorite
<b>Odour threshold</b>	Not known.
<b>pH</b>	pH (concentrated solution): 12.0 - 13.7
<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.

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Vapour density	> 1 (Air=1)
Relative density	1.037 - 1.067 @ 20°C
Bulk density	Not relevant.
Solubility(ies)	Soluble in water
Partition coefficient	Not known.
Auto-ignition temperature	Not known.
Decomposition Temperature	Not available.
Viscosity	Not measured
Explosive properties	None
Explosive under the influence of a flame	Not considered to be explosive.
Oxidising properties	Not applicable.

### 9.2. Other information

Other information	None.
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## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Reactivity	Will react with acids to produce chlorine gas
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### 10.2. Chemical stability

Stability	Decomposes under normal conditions over a very long period. See Section 10.3 (Possibility of hazardous reactions) for further information.
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### 10.3. Possibility of hazardous reactions

Possibility of hazardous reactions	Will produce chlorine when reacted with acids. Retail pack will produce such low volumes the risk to health is considered negligible.
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### 10.4. Conditions to avoid

Conditions to avoid	None known. None known. Avoid contact with acids, may produce toxic gas (chlorine). Avoid heat, Chlorine gas will be liberated upon heating
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### 10.5. Incompatible materials

Materials to avoid	Avoid contact with acids, organic materials, hydrogen peroxide, metal salts, copper, nickel, iron and ammonia and ammonium compounds - Chlorine gas will be liberated upon contact.
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### 10.6. Hazardous decomposition products

Hazardous decomposition products	Rapid and extreme decomposition may release acids of phosphorus, phosphorus oxides, carbon oxides, hydrogen chloride, chlorine and chlorine oxides.
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## 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.
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#### Acute toxicity - oral

ATE oral (mg/kg)	42,560.0
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#### Acute toxicity - inhalation

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ATE inhalation (dusts/mists  
mg/l) 33.33

### SECTION 12: Ecological Information

#### 12.1. Toxicity

**Toxicity** The product is considered harmful to aquatic life. 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 bio-degradation requirements of directive 648/2004/EC.

#### 12.3. Bioaccumulative potential

**Bioaccumulative potential** Not available.

**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** Do not flush into surface water or sanitary sewer system. Avoid subsoil penetration.

### 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

Not applicable.

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### 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

<b>Abbreviations and acronyms used in the safety data sheet</b>	ATE: Acute Toxicity Estimate. CAS: Chemical Abstracts Service. DMEL: Derived Minimal Effect Level. DNEL: Derived No Effect Level. PBT: Persistent, Bioaccumulative and Toxic substance. PNEC: Predicted No Effect Concentration. vPvB: Very Persistent and Very Bioaccumulative.
<b>General information</b>	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.
<b>Key literature references and sources for data</b>	Classification in accordance with Article 6(5) of the CLP Regulation using DetNet Reference DetNet/1111
<b>Revision comments</b>	Updated using updated raw material information received from suppliers.
<b>Issued by</b>	The London Oil Refining Company Ltd
<b>Revision date</b>	28/01/2019
<b>Revision</b>	1.3
<b>Supersedes date</b>	24/01/2019
<b>SDS number</b>	5361



## Astonish Premium Edition Mould & Mildew Stain Blaster

**Risk phrases in full**

R22 Harmful if swallowed.  
R23 Toxic by inhalation.  
R31 Contact with acids liberates toxic gas.  
R34 Causes burns.  
R35 Causes severe burns.  
R38 Irritating to skin.  
R41 Risk of serious damage to eyes.  
R50 Very toxic to aquatic organisms.  
R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

**Hazard statements in full**

H290 May be corrosive to metals.  
H302 Harmful if swallowed.  
H314 Causes severe skin burns and eye damage.  
H315 Causes skin irritation.  
H318 Causes serious eye damage.  
H319 Causes serious eye irritation.  
H330 Fatal if inhaled.  
H335 May cause respiratory irritation.  
H400 Very toxic to aquatic life.  
H411 Toxic to aquatic life with long lasting effects.