



## SAFETY DATA SHEET

### Astonish Specialist Oven & Grill Cleaner

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

##### 1.1. Product identifier

**Product name** Astonish Specialist Oven & Grill Cleaner  
**Product number** 860001  
**Internal identification** F1V1

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

**Identified uses** Cleaning Ovens, Grills & Pans  
**Uses advised against** Do not use on non-stick or Teflon coatings

##### 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  
(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** Not Classified  
**Environmental hazards** Not Classified

##### 2.2. Label elements

**Hazard statements** EUH208 Contains d-Limonene. May produce an allergic reaction.  
**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.

###### Additional Labelling

**Detergent labelling** < 5% perfumes, < 5% soap, Contains d-Limonene

##### 2.3. Other hazards

## Astonish Specialist Oven & Grill Cleaner

None

### SECTION 3: Composition/information on ingredients

#### 3.2. Mixtures

<b>Silica Flour</b>	<b>60-100%</b>
CAS number: 14808-60-7	

<b>Classification</b> STOT RE 1 - H372	<b>Classification (67/548/EEC or 1999/45/EC)</b> T; R48/23/24/25
-------------------------------------------	---------------------------------------------------------------------

<b>Sodium Silicate</b>	<b>&lt;1%</b>
CAS number: 1344-09-8                      EC number: 215-687-4                      REACH registration number: 01-2119448725-31-0000	

<b>Classification</b> Skin Irrit. 2 - H315 Eye Dam. 1 - H318 STOT SE 3 - H335	<b>Classification (67/548/EEC or 1999/45/EC)</b> C; R34
----------------------------------------------------------------------------------------	------------------------------------------------------------

<b>Glycerol</b>	<b>&lt;1%</b>
CAS number: 56-81-5                      EC number: 200-289-5	

<b>Classification</b> Not Classified	<b>Classification (67/548/EEC or 1999/45/EC)</b> NC Not Classified
-----------------------------------------	-----------------------------------------------------------------------

<b>d-Limonene</b>	<b>&lt;1%</b>
CAS number: 5989-27-5                      EC number: 227-813-5	
M factor (Chronic) = 1	

<b>Classification</b> Flam. Liq. 3 - H226 Skin Irrit. 2 - H315 Skin Sens. 1 - H317 Asp. Tox. 1 - H304 Aquatic Chronic 1 - H410	<b>Classification (67/548/EEC or 1999/45/EC)</b> Xn; R65. Xi; R38. N; R50/53. R10, R43
-----------------------------------------------------------------------------------------------------------------------------------------------	-------------------------------------------------------------------------------------------

<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
----------------------------------------------------------------------	----------------------------------------------------------------

## Astonish Specialist Oven & Grill Cleaner

<b>isopentyl acetate</b>	<b>&lt;1%</b>
CAS number: 123-92-2	EC number: 204-662-3
<b>Classification</b>	
Flam. Liq. 3 - H226	

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 thoroughly with water for several minutes. If symptoms persist seek medical advice.

#### 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>	Possible mild irritation, redness and soreness.

#### 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.

#### 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

## Astonish Specialist Oven & Grill Cleaner

**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.

### 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 Ovens, Grills & Pans

## SECTION 8: Exposure Controls/personal protection

### 8.1. Control parameters

#### Occupational exposure limits

##### **Silica Flour**

Long-term exposure limit (8-hour TWA): WEL 0.1 mg/m<sup>3</sup> Inhalation

##### **Sodium Silicate**

Long-term exposure limit (8-hour TWA): DNEL, Workers 1.59 mg/kg Dermal

Long-term exposure limit (8-hour TWA): DNEL, Workers 5.61 mg/m<sup>3</sup> Inhalation

Long-term exposure limit (8-hour TWA): DNEL, General 0.8 mg/kg Oral

Long-term exposure limit (8-hour TWA): DNEL, General 1.38 mg/m<sup>3</sup> Inhalation

Long-term exposure limit (8-hour TWA): DNEL, General 0.8 mg/kg Dermal

##### **Glycerol**

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

##### **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

##### **isopentyl acetate**

Long-term exposure limit (8-hour TWA): WEL 50 ppm 270 mg/m<sup>3</sup> vapour

Short-term exposure limit (15-minute): WEL 100 ppm 540 mg/m<sup>3</sup> vapour

WEL = Workplace Exposure Limit

### 8.2. Exposure controls

**Environmental exposure controls** This product does not pose a hazard in normal use when following the usage instructions. Take care to avoid contact with skin and eyes. Gloves may be required for repeated or prolonged exposure.

## SECTION 9: Physical and Chemical Properties

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

**Appearance** Smooth Solid Orange Paste

**Colour** Orange.

**Odour** Oranges

**Odour threshold** Not known.

## Astonish Specialist Oven & Grill Cleaner

<b>pH</b>	pH (diluted solution): 9.0 - 10.5 (1% aq.)
<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>	~ 1.6 @ 20°C
<b>Bulk density</b>	Not relevant.
<b>Solubility(ies)</b>	Silica Flour - Insoluble 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 available.
<b>Comments</b>	Information given is applicable to the product as supplied.

### 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 Specialist Oven & Grill Cleaner

**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.

**Other health effects**                      Silica Flour- Contains respirable quartz and is classified as STOT RE1. Prolonged and/or massive exposure to respirable crystalline silica-containing dust may cause silicosis, a nodular pulmonary fibrosis caused by deposition in the lungs of fine respirable particles of crystalline silica. Once dispersed fully in the product the risk of respirable silica becoming airborne is negligible.

## SECTION 12: Ecological Information

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

### 12.1. Toxicity

**Toxicity**                                              The mixture has not been tested. Based on the available data of the ingredients the mixture is not classified as harmful to the aquatic 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**              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.

### 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.

## Astonish Specialist Oven & Grill Cleaner

### 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

#### **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.  
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**

11/08/2017

#### **Revision**

1

#### **SDS number**

5164

## Astonish Specialist Oven & Grill Cleaner

### Risk phrases in full

R10 Flammable.  
R34 Causes burns.  
R36/38 Irritating to eyes and skin.  
R38 Irritating to skin.  
R43 May cause sensitisation by skin contact.  
R48/23/24/25 Toxic: danger of serious damage to health by prolonged exposure through inhalation, in contact with skin and if swallowed.  
R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.  
R65 Harmful: may cause lung damage if swallowed.

### Hazard statements in full

H226 Flammable liquid and vapour.  
H304 May be fatal if swallowed and enters airways.  
H315 Causes skin irritation.  
H317 May cause an allergic skin reaction.  
H318 Causes serious eye damage.  
H319 Causes serious eye irritation.  
H335 May cause respiratory irritation.  
H372 Causes damage to organs (Respiratory system, lungs) through prolonged or repeated exposure.  
H410 Very toxic to aquatic life with long lasting effects.  
EUH208 Contains d-Limonene. May produce an allergic reaction.