



SAFETY DATA SHEET

Astonish Kitchen Cleaner

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

1.1. Product identifier

Product name Astonish Kitchen Cleaner
Product number 961801
Internal identification F13V2

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

Identified uses Degreasing and cleaning hard kitchen surfaces and cookware.

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 Eye Irrit. 2 - H319
Environmental hazards Not Classified

Classification (67/548/EEC or 1999/45/EC) Xi; R36

2.2. Label elements

Pictogram



Signal word Warning

Astonish Kitchen Cleaner

Hazard statements	H319 Causes serious eye irritation.
Precautionary statements	<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>

Additional Labelling

Detergent labelling	< 5% amphoteric surfactants, < 5% EDTA and salts thereof, < 5% non-ionic surfactants, < 5% perfumes
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2.3. Other hazards

None

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Butyl Diglycol		1-5%
CAS number: 112-34-5 EC number: 203-961-6		
Classification	Classification (67/548/EEC or 1999/45/EC)	
Eye Irrit. 2 - H319	Xi; R36	
Undecanol, branched and linear, ethoxylated (>5-15 EO)		1-5%
CAS number: 127036-24-2 EC number: 931-721-7		
Classification	Classification (67/548/EEC or 1999/45/EC)	
Acute Tox. 4 - H302 Eye Dam. 1 - H318	Xn; R22. Xi; R41	
tetrasodium ethylene diamine tetraacetate		<1%
CAS number: 64-02-8 EC number: 200-573-9		
Classification	Classification (67/548/EEC or 1999/45/EC)	
Met. Corr. 1 - H290 Acute Tox. 4 - H302 Acute Tox. 4 - H332 Eye Dam. 1 - H318 STOT RE 2 - H373	Xn; R22. Xi; R41	

Astonish Kitchen Cleaner

Cocamine Oxide	<1%
CAS number: 308062-28-4	EC number: 931-292-6
M factor (Acute) = 1	
Classification	Classification (67/548/EEC or 1999/45/EC)
Acute Tox. 4 - H302	Xn; R22. Xi; R41, R38. N; R50, R51/53
Skin Irrit. 2 - H315	
Eye Dam. 1 - H318	
Aquatic Acute 1 - H400	
Aquatic Chronic 2 - H411	

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

Inhalation	Remove exposure and give water to drink if mouth irritation experienced. Seek medical advice if recovery not rapid.
Ingestion	Drink water. If symptoms persist seek medical advice.
Skin contact	Rinse affected area with water.
Eye contact	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

Inhalation	Possible mild irritation of breathing passage and possible mouth irritation.
Ingestion	Possible mild stomach upset and mild soreness of mouth.
Skin contact	Possible mild transient irritation of skin.
Eye contact	Causes eye irritation.

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

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.

Astonish Kitchen Cleaner

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 breathing spray. Point spray away from face. 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) Degreasing and cleaning hard kitchen surfaces and cookware

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/m³

Short-term exposure limit (15-minute): 15 ppm 101.2 mg/m³

Cocamine Oxide (CAS: 308062-28-4)

DNEL

Workers - Dermal; systemic effects: 11 mg/kg/day
 Workers - Inhalation; systemic effects: 15.5 mg/m³
 Workers - Dermal; local effects: 0.27 %
 General population - Dermal; systemic effects: 5.5 mg/kg/day
 General population - Inhalation; systemic effects: 3.8 mg/m³
 General population - Oral; systemic effects: 0.44 mg/kg/day

PNEC

- Fresh water; 0.0335 mg/l
 - Marine water; 0.00335 mg/l
 - Intermittent release; 0.0335 mg/l
 - Sediment (Freshwater); 5.24 mg/kg
 - Sediment (Marinewater); 0.524 mg/kg
 - Soil; 1.02 mg/kg
 - STP; 24 mg/kg

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 eyes.

SECTION 9: Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Astonish Kitchen Cleaner

Appearance	Clear thin yellow liquid
Colour	Yellow.
Odour	Lemon & grapefruit
Odour threshold	Not known.
pH	pH (concentrated solution): 9.2 - 10.8
Melting point	Not known.
Initial boiling point and range	Not measured (>100°C)
Flash point	Not determined.
Evaporation rate	Not known.
Evaporation factor	Not known.
Flammability (solid, gas)	Does not ignite.
Upper/lower flammability or explosive limits	Does not ignite.
Other flammability	Not relevant.
Vapour pressure	Not available.
Vapour density	> 1 (Air=1)
Relative density	1.000-1.008 1.000 - 1.008 @ 20°C
Bulk density	Not relevant.
Solubility(ies)	Soluble in water
Partition coefficient	Not available.
Auto-ignition temperature	Not known.
Decomposition Temperature	Not available.
Viscosity	Not determined.
Explosive properties	None
Explosive under the influence of a flame	Not considered to be explosive.
Oxidising properties	Not determined.
<u>9.2. Other information</u>	
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.

Astonish Kitchen Cleaner

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 Carbon oxides.
products

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) 19,456.96

Butyl Diglycol

Acute toxicity - oral

Acute toxicity oral (LD₅₀ 2,000.0
mg/kg)

Species Rat

Acute toxicity - dermal

Acute toxicity dermal (LD₅₀ 2,000.0
mg/kg)

Species Rabbit

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

Acute toxicity - oral

Acute toxicity oral (LD₅₀ 350.0
mg/kg)

Species Rat

ATE oral (mg/kg) 350.0

Acute toxicity - dermal

Acute toxicity dermal (LD₅₀ 2,001.0
mg/kg)

Species Rat

ATE dermal (mg/kg) 2,001.0

Cocamine Oxide

Acute toxicity - oral

Acute toxicity oral (LD₅₀ 1,064.0
mg/kg)

Astonish Kitchen Cleaner

Species	Rat
ATE oral (mg/kg)	1,064.0

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.

Butyl Diglycol

Acute toxicity - fish	LC ₅₀ , : 100 mg/l, Algae
Acute toxicity - aquatic invertebrates	EC ₅₀ , 48 hours: >100 mg/l, Daphnia magna
Acute toxicity - aquatic plants	EC ₅₀ , : 100 mg/l, Desmodosmus subspicatus

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

Acute toxicity - fish	LC ₅₀ , 96 hours: >1 - 10 mg/l, Cyprinus carpio (Common carp)
Acute toxicity - aquatic invertebrates	EC ₅₀ , 48 hours: >1 - 10 mg/l, Daphnia magna
Acute toxicity - aquatic plants	EC ₅₀ , 72 hours: >1 - 10 mg/l, Desmodosmus subspicatus

Cocamine Oxide

<u>Acute aquatic toxicity</u>	
LE(C)₅₀	0.1 < L(E)C ₅₀ ≤ 1
M factor (Acute)	1

12.2. Persistence and degradability

Butyl Diglycol

Biodegradation	- Degradation 76: 28 days - Degradation 90-100: 8 days - Degradation 90-100: 14 days
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12.3. Bioaccumulative potential

Partition coefficient Not available.

12.4. Mobility in soil

12.5. Results of PBT and vPvB assessment

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 determined.

Astonish Kitchen Cleaner

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.

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

Astonish Kitchen Cleaner

Abbreviations and acronyms used in the safety data sheet	<p>ATE: Acute Toxicity Estimate. CAS: Chemical Abstracts Service. DNEL: Derived No Effect Level. LC₅₀: Lethal Concentration to 50 % of a test population. LD₅₀: Lethal Dose to 50% of a test population (Median Lethal Dose). PBT: Persistent, Bioaccumulative and Toxic substance. PNEC: Predicted No Effect Concentration. vPvB: Very Persistent and Very Bioaccumulative. EC₅₀: 50% of maximal Effective Concentration.</p>
General information	<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>
Revision comments	Updated Supplier Information
Issued by	The London Oil Refining Company Ltd
Revision date	18/05/2017
Revision	13.2
Supersedes date	12/01/2015
SDS number	4948
Risk phrases in full	<p>R22 Harmful if swallowed. R36 Irritating to eyes. 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.</p>
Hazard statements in full	<p>H290 May be corrosive to metals. H302 Harmful if swallowed. H315 Causes skin irritation. H318 Causes serious eye damage. H319 Causes serious eye irritation. H332 Harmful if inhaled. 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.</p>