



SAFETY DATA SHEET

Astonish Cup Clean

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

1.1. Product identifier

Product name Astonish Cup Clean
 Product number WW416
 Internal identification F1V2

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

Identified uses Removal of stains from glazed ceramics, glass, stainless steel and plastic pots & flasks.
 Uses advised against Do not use on silver or aluminium.

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

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 Acute Tox. 4 - H302 Eye Dam. 1 - H318
 Environmental hazards Not Classified

2.2. Label elements

Pictogram



Signal word Danger

Hazard statements H302 Harmful if swallowed.
 H318 Causes serious eye damage.

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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 and pets.</p> <p>P103 Read label before use.</p> <p>P264 Wash hands thoroughly after handling.</p> <p>P270 Do not eat, drink or smoke when using this product.</p> <p>P280 Wear protective gloves and eye 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>P310 Immediately call a POISON CENTER/ doctor.</p> <p>P401 Store in a dry place and store at temperatures not exceeding 40C/104F</p>
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Contains Sodium carbonate peroxyhydrate

Additional Labelling

Detergent labelling ≥ 30% oxygen-based bleaching agents

Supplementary precautionary statements P501 Dispose of contents/ container in accordance with national regulations.

2.3. Other hazards

This substance is not classified as PBT or vPvB according to current EU criteria.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Sodium carbonate peroxyhydrate	60-100%
CAS number: 15630-89-4	EC number: 239-707-6
	REACH registration number: 01-2119457268-30-0000
Classification	Classification (67/548/EEC or 1999/45/EC)
Ox. Sol. 3 - H272	O; R8. Xn; R22. Xi; R41
Acute Tox. 4 - H302	
Eye Dam. 1 - H318	
Sodium Carbonate	30-60%
CAS number: 497-19-8	EC number: 207-838-8
	REACH registration number: 01-2119485498-19-0000
Classification	Classification (67/548/EEC or 1999/45/EC)
Eye Irrit. 2 - H319	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

Inhalation	Move to fresh air. If symptoms persist, call a physician.
Ingestion	Rinse mouth with water. Do NOT induce vomiting. Oxygen or artificial respiration if needed. If symptoms persist, call a physician or Poison Control Centre immediately.
Skin contact	Remove and wash contaminated clothing before re-use. Wash off with soap and water. If symptoms persist, call a physician.

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Eye contact Call a physician or poison control centre immediately. In case of eye contact, remove contact lens and rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. In case of difficulty of opening the lids, administer an analgesic eye wash (oxybuprocaine).

4.2. Most important symptoms and effects, both acute and delayed

Inhalation May cause nose, throat, and lung irritation.

Ingestion Severe irritation. Symptoms: Nausea, Abdominal pain, Vomiting, Diarrhoea

Skin contact Prolonged skin contact may cause skin irritation.

Eye contact Severe eye irritation. Risk of serious damage to eyes. Symptoms: Redness, Lachrymation, Swelling of tissue.

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 Oxygen released in thermal decomposition may support combustion.

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. Avoid generation of dust. Keep away from incompatible products.

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. Avoid dust formation. Ensure adequate ventilation. Keep away from heat and sources of ignition. Keep away from incompatible products. Use only clean and dry utensils. Never return unused material to storage receptacle. Keep away from water.

7.2. Conditions for safe storage, including any incompatibilities

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Storage precautions Store in ambient conditions. Keep out of the reach of children. Keep container tightly closed. Keep away from heat. Keep at temperature not exceeding 40°C. Store in a dry place. Keep container in a well-ventilated place. Keep only in the original container. Keep away from incompatible products. Keep away from heat/sparks/open flames/hot surfaces - no smoking.

7.3. Specific end use(s)

Specific end use(s) Removal of stains from glazed ceramics, glass, stainless steel and plastic pots & flasks.

SECTION 8: Exposure Controls/personal protection

8.1. Control parameters

Occupational exposure limits

Sodium carbonate peroxyhydrate

Long-term exposure limit (8-hour TWA): 5 mg/m³

Sodium Carbonate

Long-term exposure limit (8-hour TWA): 10 mg/m³

Sodium carbonate peroxyhydrate (CAS: 15630-89-4)

PNEC

- Fresh water; 35 µg/l

8.2. Exposure controls

Personal protection Wear protective gloves and safety eye wear.

SECTION 9: Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Appearance	White granules
Colour	White.
Odour	Odourless.
Odour threshold	Not known.
pH	pH (diluted solution): 10.6 (10.1g/l)
Melting point	Not known.
Initial boiling point and range	Not applicable.
Flash point	Not applicable.
Evaporation rate	Not applicable.
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	Not available.
Relative density	> 1 (Air=1)
Bulk density	900-1,200 kg/m ³

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Solubility(ies)	Decomposes in water.
Partition coefficient	Not available.
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 Oxidising (Method 34.4.1 Test 0.1 for Oxidising Solids)

9.2. Other information

Other information	Self-accelerating decomposition temperature (SADT) >55C
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SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity	Reacts with water, bases, heavy metal salts, reducing agents and organic materials. Decomposes when moist. Decomposes on heating. Potential for exothermic hazard.
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10.2. Chemical stability

Stability	Potential for exothermic hazard. Stable under normal conditions.
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10.3. Possibility of hazardous reactions

Possibility of hazardous reactions	Reacts with water, bases, heavy metal salts, reducing agents and organic materials, Oxygen is released in thermal decomposition may support combustion.
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10.4. Conditions to avoid

Conditions to avoid	Exposure to moisture, heat, direct sunlight, flames and other sources of ignition.
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10.5. Incompatible materials

Materials to avoid	Avoid water, bases, heavy metal salts, reducing agents, organic materials, flammable materials and combustible materials. Do not mix with Chlorine Bleach
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10.6. Hazardous decomposition products

Hazardous decomposition products	Oxygen.
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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)	1,723.33
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Inhalation	Dust may irritate respiratory system or lungs.
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Ingestion	May cause discomfort if swallowed.
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Skin contact	Prolonged and frequent contact may cause redness and irritation. Irritating to eyes.
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Toxicological information on ingredients.

Sodium carbonate peroxyhydrate

Acute toxicity - oral

Acute toxicity oral (LD₅₀ mg/kg) 1,034.0

Species Rat

ATE oral (mg/kg) 1,034.0

Acute toxicity - dermal

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

Species Rabbit

Sodium Carbonate

Acute toxicity - oral

Acute toxicity oral (LD₅₀ mg/kg) 2,800.0

Species Rat

ATE oral (mg/kg) 2,800.0

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.

Ecological information on ingredients.

Sodium carbonate peroxyhydrate

Acute aquatic toxicity

Acute toxicity - fish NOEC, 96 hours: 7.4 mg/l, Pimephales promelas
LC₅₀, hours: mg/l, Pimephales promelas

Acute toxicity - aquatic invertebrates NOEC, 48 hours: 2 mg/l, Daphnia pulex
EC₅₀, : 4.9 mg/l, Daphnia pulex

Sodium Carbonate

Acute aquatic toxicity

Acute toxicity - fish LC₅₀, 96 hours: 300 mg/l, Fish

12.2. Persistence and degradability

Persistence and degradability The product is degraded completely by hydrolysis.

12.3. Bioaccumulative potential

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

Partition coefficient Not available.

12.4. Mobility in soil

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Mobility No concerns- the product will dissociate into naturally occurring ions whose levels are regulated by living organisms.

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)

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 Annex II of MARPOL 73/78 and the IBC Code Not applicable.

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.

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SECTION 16: Other information

Abbreviations and acronyms used in the safety data sheet	ATE: Acute Toxicity Estimate. CAS: Chemical Abstracts Service. EC ₅₀ : 50% of maximal Effective Concentration. LC ₅₀ : Lethal Concentration to 50 % of a test population. NOEC: No Observed Effect Concentration. 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	Section 9 updated reference to test used to confirm product not oxidising.
Issued by	The London Oil Refining Company Ltd
Revision date	27/03/2018
Revision	1.2
Supersedes date	14/09/2017
SDS number	4913
Risk phrases in full	R8 Contact with combustible material may cause fire. R22 Harmful if swallowed. R36 Irritating to eyes. R41 Risk of serious damage to eyes.
Hazard statements in full	H272 May intensify fire; oxidiser. H302 Harmful if swallowed. H318 Causes serious eye damage. H319 Causes serious eye irritation.