



SAFETY DATA SHEET

Astonish Specialist Clean & Revive

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

1.1. Product identifier

Product name	Astonish Specialist Clean & Revive
Product number	WW472
Internal identification	WW472F2V3

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 gold, silver or aluminium. Only use on dishwasher safe items. For resin lined or plastic coated flasks refer to manufacturer's care instructions before use.

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 Tel: +44 1274 767440 (8am-4pm Mon-Fri) www.astonishcleaners.com
	Astonish Cleaners Europe Ltd 38 Main Street Swords Co. Dublin Republic of Ireland K67E0A2 Tel: +353 768 885288 (8am-4pm Mon-Fri) www.astonishcleaners.eu
Contact person	info@astonish.co.uk info@astonishcleaners.eu
Manufacturer	As supplier.

1.4. Emergency telephone number

Emergency telephone	UK - Emergency Telephone: +44 (0) 1274 767440 (8am-4pm Mon-Fri). Alternatively in UK: Contact NHS 111 Telephone 111 (24 hours a day, 7 days a week); Website 111.nhs.uk or a doctor.
	ROI - Emergency Telephone: +353 768 885288 (8am-4pm Mon-Fri) Poisons Information Centre of Ireland (ROI): + 353 (1) 809 2166 (8am-10pm 7 days a week)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (EC 1272/2008)

Astonish Specialist Clean & Revive

Physical hazards	Not Classified
Health hazards	Eye Dam. 1 - H318
Environmental hazards	Not Classified

2.2. Label elements

Hazard pictograms



Signal word	Danger
Hazard statements	H318 Causes serious eye damage.
Precautionary statements	P101 If medical advice is needed, have product container or label at hand. P102 Keep out of reach of children and pets. P103 Read label before use. P280 Wear protective gloves and eye protection. P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P310 Immediately call a POISON CENTER/ doctor. P401 Store in a dry place and store at temperatures not exceeding 40C/104F P501 Dispose of contents/ container in accordance with national regulations.
Contains	Sodium carbonate peroxyhydrate
Additional Labelling	None
Detergent labelling	≥ 30% oxygen-based bleaching agents

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	60-100%
CAS number: 497-19-8	EC number: 207-838-8
	REACH registration number: 01-2119485498-19-XXXX
Classification	
Eye Irrit. 2 - H319	
Sodium carbonate peroxyhydrate	30-60%
CAS number: 15630-89-4	EC number: 239-707-6
	REACH registration number: 01-2119457268-30-0000
Classification	
Ox. Sol. 3 - H272	
Acute Tox. 4 - H302	
Eye Dam. 1 - H318	

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

SECTION 4: First aid measures

Astonish Specialist Clean & Revive

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.
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 For personal protection, see Section 8. For waste disposal, see Section 13.

SECTION 7: Handling and storage

Astonish Specialist Clean & Revive

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 g/l
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

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.

10.2. Chemical stability

Stability Potential for exothermic hazard. Stable under normal conditions.

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.

10.4. Conditions to avoid

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

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

10.6. Hazardous decomposition products

Hazardous decomposition products Oxygen.

SECTION 11: Toxicological information

Astonish Specialist Clean & Revive

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

Summary The ATE value below is produced by calculation method.

ATE oral (mg/kg) 2,954.29

Inhalation Dust may irritate respiratory system or lungs.

Ingestion May cause discomfort if swallowed.

Skin contact Prolonged and frequent contact may cause redness and irritation.
Irritating to eyes.

Toxicological information on ingredients.

Sodium Carbonate

Acute toxicity - oral

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

Species Rat

ATE oral (mg/kg) 2,800.0

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

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

Acute aquatic toxicity

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

Sodium carbonate peroxyhydrate

Acute aquatic toxicity

Astonish Specialist Clean & Revive

Acute toxicity - fish	NOEC, 96 hours: 7.4 mg/l, Pimephales promelas LC ₅₀ , hours: mg/l, Pimephales promelas
Acute toxicity - aquatic invertebrates	NOEC, 48 hours: 2 mg/l, Daphnia pulex EC ₅₀ , : 4.9 mg/l, Daphnia pulex

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

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

Astonish Specialist Clean & Revive

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

National regulations	For Great Britain after the end of the transitional period, the EU Detergents Regulation - has been amended by the Detergents EU Exit Statutory Instruments (SIs), that is: the Detergents (Amendment) (EU Exit) Regulations 2019 (S.I. 2019/672) the Detergents (Safeguarding) (Amendment) (EU Exit) Regulations 2019 (S.I. 2019/671) the Detergents (Amendment) (EU Exit) Regulations 2020 (S.I. 2020/1617)
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 31 March 2004 on detergents (as amended).

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	ATE: Acute Toxicity Estimate. CAS: Chemical Abstracts Service. EC ₅₀ : 50% of maximal Effective Concentration. ECHA: European Chemicals Agency GHS: Globally Harmonized System. 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. REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006. 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. Any animal testing information or data listed in this safety data sheet is historic published data within the public domain. There is a requirement to declare this information if it is known and this does not impact our cruelty free status. The London Oil Refining Company Ltd does not commission animal testing.
Revision comments	Product name change.
Issued by	The London Oil Refining Company Ltd
Revision date	24/09/2021
Revision	2.4
Supersedes date	17/12/2020
SDS number	5689

Astonish Specialist Clean & Revive

Hazard statements in full

H272 May intensify fire; oxidiser.

H302 Harmful if swallowed.

H318 Causes serious eye damage.

H319 Causes serious eye irritation.