



# SAFETY DATA SHEET

This safety data sheet was created pursuant to the requirements of:  
Regulation (EC) No. 1907/2006 and Regulation (EC) No. 1272/2008

Revision date 01/15/2024

Revision Number 1

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

### 1.1. Product identifier

**Product Name** Astonish Specialist Clean & Revive  
**Product Code(s)** WW472 C9630  
**Safety data sheet number** 05689  
**Unique Formula Identifier (UFI)** WJQ2-V0JH-J00A-M36H

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

**Recommended use** Removal of stains from glazed ceramics, glass, stainless steel and plastic pots & flasks.  
**Uses advised against**

### 1.3. Details of the supplier of the safety data sheet

#### Manufacturer

The London Oil Refining Company Ltd  
Astonish House  
Unit 8 Thornbury Ind. Est.  
Woodhall Road  
Bradford BD3 7AF, UK  
Tel: +44 1274 767440 (8pm-4pm Mon-Fri) [www.astonish.co.uk](http://www.astonish.co.uk)  
Astonish Cleaner Europe Ltd  
38 Main Street  
Swords  
Co. Dublin  
Republic of Ireland  
K67E0A2  
Tel: +353 19131585 (8am-4pm Mon-Fri)  
[www.astonishcleaners.eu](http://www.astonishcleaners.eu)  
For further information, please contact

**E-mail address** [info@astonish.co.uk](mailto:info@astonish.co.uk) [info@astonishcleaners.eu](mailto:info@astonishcleaners.eu)

### 1.4. Emergency telephone number

**Emergency Telephone** ROI - Emergency Telephone: +353 19131585 (8am-4pm Mon-Fri)  
Poisons Information Centre of Ireland (ROI): +353 (1) 8092166 (8am-10pm 7 days a week)

Emergency Telephone - §45 - (EC)1272/2008	
Europe	112

**SECTION 2: Hazards identification**

**2.1. Classification of the substance or mixture**  
*Regulation (EC) No 1272/2008*

Serious eye damage/eye irritation	Category 1 H318
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**2.2. Label elements**

≥ 30% oxygen-based bleaching agents



**Signal word**  
 Danger

**Hazard statements**

H318 - Causes serious eye damage

**Precautionary Statements - EU (§28, 1272/2008)**

- 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.
- P270 - Do not eat, drink or smoke when using this product.
- P280 - Wear protective gloves and eye/face 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 or doctor/physician.

**2.3. Other hazards**

No information available.

**Endocrine Disruptor Information** This product does not contain any known or suspected endocrine disruptors.

**SECTION 3: Composition/information on ingredients**

**3.1 Substances**

Not applicable

**3.2 Mixtures**

Chemical name	Weight-%	REACH registration	EC No (EU)	Classification	Specific	M-Factor	M-Factor
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		number	Index No)	according to Regulation (EC) No. 1272/2008 [CLP]	concentration limit (SCL)		(long-term)
Sodium Carbonate 497-19-8	50 - <100%	01-2119485498-19-0000	(011-005-00-2) 207-838-8	Eye Irrit. 2 (H319)	-	-	-
Sodium carbonate peroxyhydrate 15630-89-4	25 - <50%	01-2119457268-30-0000	239-707-6	Acute Tox. 4 (H302) Ox. Sol. 3 (H272) Eye Dam. 1 (H318)	-	-	-

**Full text of H- and EUH-phrases: see section 16**

**Acute Toxicity Estimate**

No information available

Chemical name	Oral LD50 mg/kg	Dermal LD50 mg/kg	Inhalation LC50 - 4 hour - dust/mist - mg/L	Inhalation LC50 - 4 hour - vapor - mg/L	Inhalation LC50 - 4 hour - gas - ppm
Sodium Carbonate 497-19-8	4090	2000	1.15	No data available	No data available
Sodium carbonate peroxyhydrate 15630-89-4	1034	2000	No data available	No data available	No data available

This product does not contain candidate substances of very high concern at a concentration  $\geq 0.1\%$  (Regulation (EC) No. 1907/2006 (REACH), Article 59)

**SECTION 4: First aid measures**

**4.1. Description of first aid measures**

<b>Inhalation</b>	Remove to fresh air.
<b>Eye contact</b>	Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician.
<b>Skin contact</b>	Wash skin with soap and water. In the case of skin irritation or allergic reactions see a physician.
<b>Ingestion</b>	Rinse mouth.

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

<b>Symptoms</b>	No information available.
<b>Effects of Exposure</b>	See Section 11 for additional Toxicological Information.

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

<b>Note to physicians</b>	Treat symptomatically.
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**SECTION 5: Firefighting measures**

**5.1. Extinguishing media**

<b>Suitable Extinguishing Media</b>	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
<b>Large Fire</b>	CAUTION: Use of water spray when fighting fire may be inefficient.
<b>Unsuitable extinguishing media</b>	Do not scatter spilled material with high pressure water streams.

**5.2. Special hazards arising from the substance or mixture**

<b>Specific hazards arising from the chemical</b>	No information available.
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**5.3. Advice for firefighters**

<b>Special protective equipment and precautions for fire-fighters</b>	Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.
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**SECTION 6: Accidental release measures****6.1. Personal precautions, protective equipment and emergency procedures**

<b>Personal precautions</b>	Ensure adequate ventilation.
<b>For emergency responders</b>	Use personal protection recommended in Section 8.

**6.2. Environmental precautions**

<b>Environmental precautions</b>	See Section 12 for additional Ecological Information.
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**6.3. Methods and material for containment and cleaning up**

<b>Methods for containment</b>	Prevent further leakage or spillage if safe to do so.
<b>Methods for cleaning up</b>	Take up mechanically, placing in appropriate containers for disposal.
<b>Prevention of secondary hazards</b>	Clean contaminated objects and areas thoroughly observing environmental regulations.

**6.4. Reference to other sections**

<b>Reference to other sections</b>	See section 8 for more information. See section 13 for more information.
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**SECTION 7: Handling and storage****7.1. Precautions for safe handling**

<b>Advice on safe handling</b>	Ensure adequate ventilation.
<b>General hygiene considerations</b>	Handle in accordance with good industrial hygiene and safety practice.

**7.2. Conditions for safe storage, including any incompatibilities**

<b>Storage Conditions</b>	Keep container tightly closed in a dry and well-ventilated place.
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**7.3. Specific end use(s)**

**Risk Management Methods (RMM)** The information required is contained in this Safety Data Sheet.

**SECTION 8: Exposure controls/personal protection**

**8.1. Control parameters**

**Exposure Limits**

Chemical name	Cyprus	Czech Republic	Denmark	Estonia	Finland
Sodium Carbonate 497-19-8	-	TWA: 5 mg/m <sup>3</sup> Ceiling: 10 mg/m <sup>3</sup>	-	-	-
Chemical name	Portugal	Romania	Slovakia	Slovenia	Spain
Sodium Carbonate 497-19-8	-	TWA: 1 mg/m <sup>3</sup> STEL: 3 mg/m <sup>3</sup>	-	-	-

**Biological occupational exposure limits** This product, as supplied, does not contain any hazardous materials with biological limits established by the region specific regulatory bodies.

**Derived No Effect Level (DNEL) - Workers** No information available

Chemical name	Oral	Dermal	Inhalation
Sodium carbonate peroxyhydrate 15630-89-4	-	12.8 mg/cm <sup>2</sup> [5] [6] 12.8 mg/cm <sup>2</sup> [5] [7]	5 mg/m <sup>3</sup> [5] [6]

**Derived No Effect Level (DNEL) - General Public** No information available.

Chemical name	Oral	Dermal	Inhalation
Sodium carbonate peroxyhydrate 15630-89-4	-	6.4 mg/cm <sup>2</sup> [5] [6] 6.4 mg/cm <sup>2</sup> [5] [7]	-

**Predicted No Effect Concentration (PNEC)** No information available.

Chemical name	Freshwater	Freshwater (intermittent release)	Marine water	Marine water (intermittent release)	Air
Sodium carbonate peroxyhydrate 15630-89-4	0.035 mg/L	0.035 mg/L	0.035 mg/L	-	-

Chemical name	Freshwater sediment	Marine sediment	Sewage treatment	Soil	Food chain

Chemical name	Freshwater sediment	Marine sediment	Sewage treatment	Soil	Food chain
Sodium carbonate peroxyhydrate 15630-89-4	-	-	16.24 mg/L	-	-

**8.2. Exposure controls**

<b>Engineering controls</b>	No information available.
<b>Personal protective equipment</b>	
<b>Eye/face protection</b>	Wear safety glasses with side shields (or goggles).
<b>Hand protection</b>	Wear suitable gloves.
<b>Skin and body protection</b>	No special protective equipment required.
<b>Respiratory protection</b>	No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.
<b>General hygiene considerations</b>	Handle in accordance with good industrial hygiene and safety practice.
<b>Environmental exposure controls</b>	No information available.

**SECTION 9: Physical and chemical properties**

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

<b>Physical state</b>	Solid	
<b>Appearance</b>	White granules	
<b>Color</b>	white	
<b>Odor</b>	Odourless.	
<b>Odor threshold</b>	Not applicable	
<b>Property</b>	<b>Values</b>	<b>Remarks • Method</b>
<b>Melting point / freezing point</b>	No data available	None known
<b>Initial boiling point and boiling range</b>	No data available	None known
<b>Flammability</b>	No data available	Does not ignite
<b>Flammability Limit in Air</b>		None known
<b>Upper flammability or explosive limits</b>	No data available	
<b>Lower flammability or explosive limits</b>	No data available	
<b>Flash point</b>	No data available	None known
<b>Autoignition temperature</b>	No data available	None known
<b>Decomposition temperature</b>		None known
<b>pH</b>	10.6	pH (diluted solution): 10.6 (10.1g/l)
<b>pH (as aqueous solution)</b>	No data available	None known
<b>Kinematic viscosity</b>	No data available	None known
<b>Dynamic viscosity</b>	Not measured	None known
<b>Water solubility</b>	No data available	Decomposes in water
<b>Solubility(ies)</b>	No data available	None known

Partition coefficient	No data available	None known
Vapor pressure	No data available	None known
Relative density	> 1 (Air=1)	None known
Bulk density	900-1,200 g/l	
Liquid Density	No data available	
Relative vapor density	No data available	None known
Particle characteristics		
Particle Size		
Particle Size Distribution		

**9.2. Other information****9.2.1. Information with regard to physical hazard classes**

Not applicable

Explosive properties

None

**Oxidizing properties**

Not Oxidising (Method 34.4.1 Test 0.1 for Oxidising Solids)

**9.2.2. Other safety characteristics**

Not applicable

**SECTION 10: Stability and reactivity****10.1. Reactivity****Reactivity**

No information available.

**Remarks**

Oxygen is generated on contact with water and at high temperatures.

**10.2. Chemical stability****Stability**

Decomposes in contact with water.

**Explosion data****Sensitivity to mechanical impact** None.**Sensitivity to static discharge** None.**10.3. Possibility of hazardous reactions****Possibility of hazardous reactions**

May react with water with some release of energy but not violently.

**10.4. Conditions to avoid****Conditions to avoid**

Decomposes slowly on exposure to water. Excessive heat. Chlorine-based bleaching agents. Protect from moisture. Protect from light.

**10.5. Incompatible materials****Incompatible materials**

Alkali. Bases. Chlorine-based bleaching agents. Reducing agent.

**10.6. Hazardous decomposition products****Hazardous decomposition products** Oxygen.**SECTION 11: Toxicological information****11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008**



**Aspiration hazard** Based on available data, the classification criteria are not met.

**11.2. Information on other hazards**

**11.2.1. Endocrine disrupting properties**

**11.2.2. Other information**

**Other adverse effects** Skin whitening may occur on contact with this product - this effect should be temporary and reversible.

**SECTION 12: Ecological information**

**12.1. Toxicity**

**Ecotoxicity** Not considered to be harmful to aquatic life.

Chemical name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
Sodium Carbonate	-	LC50: =300mg/L (96h, Lepomis macrochirus) LC50: 310 - 1220mg/L (96h, Pimephales promelas)	-	EC50: =265mg/L (48h, Daphnia magna)
Sodium carbonate peroxyhydrate	-	LC50: =70.7mg/L (96h, Pimephales promelas)	-	EC50: =4.9mg/L (48h, Daphnia pulex)

**12.2. Persistence and degradability**

**Persistence and degradability** None known.

**12.3. Bioaccumulative potential**

**Bioaccumulation** There is no data for this product.

**12.4. Mobility in soil**

**Mobility in soil** Not determined.

**12.5. Results of PBT and vPvB assessment**

**PBT and vPvB assessment** The product does not contain any substance(s) classified as PBT or vPvB above the threshold of declaration.

Chemical name	PBT and vPvB assessment
Sodium Carbonate	The substance is not PBT / vPvB
Sodium carbonate peroxyhydrate	The substance is not PBT / vPvB

**12.6. Endocrine disrupting properties**

**Endocrine disrupting properties**

12.7. Other adverse effects

**SECTION 13: Disposal considerations**

13.1. Waste treatment methods

Waste from residues/unused products	Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.
Contaminated packaging	Do not reuse empty containers.

**SECTION 14: Transport information**

IATA

14.1 UN number or ID number	Not regulated
14.2 UN proper shipping name	Not regulated
14.3 Transport hazard class(es)	Not regulated
14.4 Packing group	Not regulated
14.5 Environmental hazards	Not applicable
14.6 Special precautions for user Special Provisions	None

IMDG

14.1 UN number or ID number	Not regulated
14.2 UN proper shipping name	Not regulated
14.3 Transport hazard class(es)	Not regulated
14.4 Packing group	Not regulated
14.5 Environmental hazards	Not applicable
14.6 Special precautions for user Special Provisions	None
14.7 Maritime transport in bulk according to IMO instruments	Not regulated

RID

14.1 UN number or ID number	Not regulated
14.2 UN proper shipping name	Not regulated
14.3 Transport hazard class(es)	Not regulated
14.4 Packing group	Not regulated
14.5 Environmental hazards	Not applicable
14.6 Special precautions for user Special Provisions	None

ADR

14.1 UN number or ID number	Not regulated
14.2 UN proper shipping name	Not regulated
14.3 Transport hazard class(es)	Not regulated
14.4 Packing group	Not regulated
14.5 Environmental hazards	Not applicable
14.6 Special precautions for user Special Provisions	None

**SECTION 15: Regulatory information**

**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

**European Union**

Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work.

**Authorizations and/or restrictions on use:**

This product does not contain substances subject to authorization (Regulation (EC) No. 1907/2006 (REACH), Annex XIV) This product does not contain substances subject to restriction (Regulation (EC) No. 1907/2006 (REACH), Annex XVII)

Chemical name	Restricted substance per REACH Annex XVII	Substance subject to authorization per REACH Annex XIV
Sodium Carbonate - 497-19-8	75.	-

**Persistent Organic Pollutants**

Not applicable

**Ozone-depleting substances (ODS) regulation (EC) 1005/2009**

Not applicable

Chemical name	Biocidal Products Regulation (EU) No 528/2012 (BPR)
Sodium carbonate peroxyhydrate - 15630-89-4	Product-type 2: Disinfectants and algaecides not intended for direct application to humans or animals Product-type 3: Veterinary hygiene Product-type 4: Food and feed area

**International Inventories**

- TSCA** Contact supplier for inventory compliance status
- DSL/NDSL** Contact supplier for inventory compliance status
- EINECS/ELINCS** Contact supplier for inventory compliance status
- ENCS** Contact supplier for inventory compliance status
- IECSC** Contact supplier for inventory compliance status
- KECL** Contact supplier for inventory compliance status
- PICCS** Contact supplier for inventory compliance status
- AIIC** Contact supplier for inventory compliance status
- NZIoC** Contact supplier for inventory compliance status

**Legend:**

- TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory
- DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List
- EINECS/ELINCS** - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances
- ENCS** - Japan Existing and New Chemical Substances
- IECSC** - China Inventory of Existing Chemical Substances
- KECL** - Korean Existing and Evaluated Chemical Substances
- PICCS** - Philippines Inventory of Chemicals and Chemical Substances
- AIIC** - Australian Inventory of Industrial Chemicals
- NZIoC** - New Zealand Inventory of Chemicals

**15.2. Chemical safety assessment****Chemical Safety Report**

A Chemical Safety Assessment has not been carried out for this mixture

**SECTION 16: Other information****Key or legend to abbreviations and acronyms used in the safety data sheet****Legend**

SVHC: Substances of Very High Concern for Authorization:

**Legend Section 8: Exposure controls/personal protection**

TWA	TWA (time-weighted average)	STEL	STEL (Short Term Exposure Limit)
Ceiling	Maximum limit value	*	Skin designation
+	Sensitizers		

**Key literature references and sources for data used to compile the SDS**

Agency for Toxic Substances and Disease Registry (ATSDR)  
 U.S. Environmental Protection Agency ChemView Database  
 European Food Safety Authority (EFSA)  
 European Chemicals Agency (ECHA) Committee for Risk Assessment (ECHA\_RAC)  
 European Chemicals Agency (ECHA) (ECHA\_API)  
 EPA (Environmental Protection Agency)  
 Acute Exposure Guideline Level(s) (AEGL(s))  
 U.S. Environmental Protection Agency Federal Insecticide, Fungicide, and Rodenticide Act  
 U.S. Environmental Protection Agency High Production Volume Chemicals  
 Food Research Journal  
 Hazardous Substance Database  
 International Uniform Chemical Information Database (IUCLID)  
 National Institute of Technology and Evaluation (NITE)  
 Australia National Industrial Chemicals Notification and Assessment Scheme (NICNAS)  
 NIOSH (National Institute for Occupational Safety and Health)  
 National Library of Medicine's ChemID Plus (NLM CIP)  
 National Library of Medicine's PubMed database (NLM PUBMED)  
 National Toxicology Program (NTP)  
 New Zealand's Chemical Classification and Information Database (CCID)  
 Organization for Economic Co-operation and Development Environment, Health, and Safety Publications  
 Organization for Economic Co-operation and Development High Production Volume Chemicals Program  
 Organization for Economic Co-operation and Development Screening Information Data Set  
 World Health Organization

**Revision date**

01/15/2024

**Safety Data Sheet according to Regulation (EC) No. 1907/2006 (REACH)****Disclaimer**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

**End of Safety Data Sheet****Europe****EU SDS version information - EGHS**

UL release:  
 GHS Revision 7  
 2022 Q1

Chemical name	Classification according to Regulation (EC) No. 1272/2008 [CLP]	Specific concentration limit (SCL)
Sodium Carbonate	Eye Irrit. 2 (H319)	
Sodium carbonate peroxyhydrate	Acute Tox. 4 (H302) Ox. Sol. 3 (H272) Eye Dam. 1 (H318)	