



SAFETY DATA SHEET

Astonish Multi-Purpose Cleaner with Bleach

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

1.1. Product identifier

Product name Astonish Multi-Purpose Cleaner with Bleach

Product number 194501

Internal identification F3V4

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

Identified uses Cleaning tough stains and soils on hard surfaces around the kitchen and killing germs and removing mildew

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 Mixture of tetrasodium phosphonoethane-1,2-dicarboxylate and Hexasodium phosphonobutane-1,2,3,4-tetracarboxylate. 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% anionic surfactants, < 5% chlorine-based bleaching agents, < 5% perfumes

2.3. Other hazards

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None

SECTION 3: Composition/information on ingredients

3.2. Mixtures

sodium hypochlorite	<1%
CAS number: 7681-52-9	EC number: 231-668-3
	REACH registration number: 01-2119488154-34-0000
M factor (Acute) = 10	

Classification	Classification (67/548/EEC or 1999/45/EC)
Met. Corr. 1 - H290	C; R34. N; R50. R31
Skin Corr. 1B - H314	
Eye Dam. 1 - H318	
STOT SE 3 - H335	
Aquatic Acute 1 - H400	

Sodium Carbonate	<1%
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

Sodium Hydroxide	<1%
CAS number: 1310-73-2	EC number: 215-185-5
	REACH registration number: 01-2119457892-07-0000

Classification	Classification (67/548/EEC or 1999/45/EC)
Met. Corr. 1 - H290	C; R35
Skin Corr. 1A - H314	

Mixture of tetrasodium phosphonoethane-1,2-dicarboxylate and Hexasodium phosphonobutane-1,2,3,4-tetracarboxylate	<1%
CAS number: 143239-08-1	EC number: 410-800-5

Classification	Classification (67/548/EEC or 1999/45/EC)
Skin Sens. 1 - H317	N; R51/53. R43
Aquatic Chronic 2 - H411	

2,6-dimethyloct-7-en-2-ol	<1%
CAS number: 18479-58-8	EC number: 242-362-4

Classification	Classification (67/548/EEC or 1999/45/EC)
Skin Irrit. 2 - H315	Xi; R36/38
Eye Irrit. 2 - H319	

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2-Ethyl-4-(2,2,3-trimethyl-3-cyclopenten-1-yl)-2-buten-1-ol	<1%
CAS number: 28219-61-6	EC number: 248-908-8
M factor (Chronic) = 1	
Classification	Classification (67/548/EEC or 1999/45/EC)
Skin Irrit. 2 - H315	Xi; R38. N; R50/53
Eye Irrit. 2 - H319	
Aquatic Chronic 1 - H410	

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	Wash skin thoroughly with soap and water. Remove contaminated clothing. Get medical attention if irritation persists after washing.
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	Causes skin irritation.
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. Heat may result in chlorine gas, hydrogen chloride gas and chlorine oxides.

5.3. Advice for firefighters

Protective actions during firefighting Wear breathing apparatus suitable for chlorine gas

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

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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

7.1. Precautions for safe handling

Usage precautions Use as instructed on label. Avoid breathing spray. Point spray away from face. Avoid contact with skin and eyes. Use only in well-ventilated areas.

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 and sterilising hard surfaces around the home. Observe precautions in section 7.1.

SECTION 8: Exposure Controls/personal protection

8.1. Control parameters

Occupational exposure limits

sodium hypochlorite

Short-term exposure limit (15-minute): EU ELV 0.5 ppm 1.5 mg/m³ Chlorine

Short-term exposure limit (15-minute): EH40 WEL 0.5 ppm 1.5 mg/m³ Chlorine

Sodium Carbonate

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

Sodium Hydroxide

Short-term exposure limit (15-minute): WEL 2 mg/m³

2,6-dimethyloct-7-en-2-ol

Long-term exposure limit (8-hour TWA): DNEL 73.5 mg/m³ Inhalation

Long-term exposure limit (8-hour TWA): DNEL 20.8 mg/kg Dermal

Linalool

Long-term exposure limit (8-hour TWA): DNEL 2.5 mg/kg Dermal

Long-term exposure limit (8-hour TWA): DNEL 2.8 mg/m³ Inhalation

Long-term exposure limit (8-hour TWA): DNEL 15 mg/cm³ Dermal

Short-term exposure limit (15-minute): DNEL 15 mg/cm³ Dermal

2-Ethyl-4-(2,2,3-trimethyl-3-cyclopenten-1-yl)-2-buten-1-ol

Long-term exposure limit (8-hour TWA): DNEL 0.5 mg/kg Oral

Short-term exposure limit (15-minute): DNEL 3 mg/kg Oral

Short-term exposure limit (15-minute): DNEL 6 mg/kg Dermal

Long-term exposure limit (8-hour TWA): DNEL 1.4 mg/kg Dermal

Short-term exposure limit (15-minute): DNEL 7 mg/m³ Inhalation

Long-term exposure limit (8-hour TWA): DNEL 7 mg/m³ Inhalation

WEL = Workplace Exposure Limit

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Mixture of tetrasodium phosphonoethane-1,2-dicarboxylate and Hexasodium phosphonobutane-1,2,3,4-tetracarboxylate (CAS: 143239-08-1)

DMEL - Inhalation; Long term local effects: 10 mg/m³

8.2. Exposure controls

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

SECTION 9: Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Appearance	Clear, yellowish liquid.
Colour	Pale Yellow
Odour	Herbal with faint bleach
Odour threshold	Not known.
pH	pH (concentrated solution): 12.3 - 13.3
Melting point	Not known.
Initial boiling point and range	Not measured (>100°C)
Flash point	Not applicable.
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 determined.
Vapour density	> 1 (Air=1)
Relative density	1.022 - 1.034
Bulk density	Not relevant.
Solubility(ies)	Soluble in water
Partition coefficient	Not known.
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 applicable.

9.2. Other information

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Other information None.

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity Will react with acids to produce chlorine gas

10.2. Chemical stability

Stability Decomposes under normal conditions over a very long period

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions Will produce chlorine when reacted with acids. Retail pack will produce such low volumes the risk to health is considered negligible.

10.4. Conditions to avoid

Conditions to avoid Avoid heat, Chlorine gas will be liberated upon heating

10.5. Incompatible materials

Materials to avoid Avoid contact with acids, organic materials, hydrogen peroxide, metal salts, copper, nickel, iron and ammonia and ammonium compounds - Chlorine gas will be liberated upon contact.

10.6. Hazardous decomposition products

Hazardous decomposition products Rapid and extreme decomposition may release acids of phosphorus, phosphorus oxides, carbon oxides, hydrogen chloride, chlorine and chlorine 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.

Acute toxicity - inhalation

ATE inhalation (dusts/mists mg/l) 6.67

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.

12.2. Persistence and degradability

Persistence and degradability Contains detergents that satisfy the bio-degradation requirements of directive 648/2004/EC. Mixture of Tetrasodium phosphonoethane-1,2-dicarboxylate: hexasodium phosphonobutane-1,2,3,4-tetracarboxylate: not readily biodegradable. OECD method 310C: 9% biodegradation after 28 days.

12.3. Bioaccumulative potential

Bioaccumulative potential Bioaccumulation is not expected.

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.

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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 determined.

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.
Biocidal Products Regulation (528/2012/EC)

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. PBT: Persistent, Bioaccumulative and Toxic substance. vPvB: Very Persistent and Very Bioaccumulative. DMEL: Derived Minimal Effect Level.
Revision comments	Updated Supplier Information
Issued by	The London Oil Refining Company Ltd
Revision date	19/05/2017
Revision	3.4
Supersedes date	26/09/2016
SDS number	5046
Risk phrases in full	R31 Contact with acids liberates toxic gas. R34 Causes burns. R35 Causes severe burns. R36 Irritating to eyes. R36/37 Irritating to eyes and respiratory system. R38 Irritating to skin. R43 May cause sensitisation by skin contact. R50 Very toxic to aquatic organisms. R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
Hazard statements in full	H290 May be corrosive to metals. H314 Causes severe skin burns and eye damage. 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. H400 Very toxic to aquatic life. H410 Very toxic to aquatic life with long lasting effects. H411 Toxic to aquatic life with long lasting effects. EUH208 Contains Mixture of tetrasodium phosphonoethane-1,2-dicarboxylate and Hexasodium phosphonobutane-1,2,3,4-tetracarboxylate. May produce an allergic reaction.