



SAFETY DATA SHEET

Astonish Cream Cleaner with Bleach

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

1.1. Product identifier

Product name Astonish Cream Cleaner with Bleach
Product number 245201
Internal identification F2V1

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

Identified uses Cleaning hard surfaces around the home and removing mould and mildew stains.

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)
(01274) 726285
www.astonishcleaners.com

Contact person info@astonish.co.uk

Manufacturer As supplier.

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 Skin Irrit. 2 - H315 Eye Irrit. 2 - H319
Environmental hazards Not Classified

2.2. Label elements

Pictogram



Signal word Warning

Hazard statements H315 Causes skin irritation.
H319 Causes serious eye irritation.

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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.</p> <p>P103 Read label before use.</p> <p>P264 Wash hands thoroughly after handling.</p> <p>P280 Wear protective gloves and eye protection.</p> <p>P302+P352 IF ON SKIN: Wash with plenty of water.</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>P332+P313 If skin irritation occurs: Get medical advice/ attention.</p> <p>P337+P313 If eye irritation persists: Get medical advice/ attention.</p>
Supplemental label information	EUH206 Warning! Do not use together with other products. May release dangerous gases (chlorine).
Additional Labelling	None
Detergent labelling	< 5% anionic surfactants, < 5% chlorine-based bleaching agents, < 5% non-ionic surfactants

2.3. Other hazards

None

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Calcium/Magnesium Carbonate	30-60%
CAS number: 16389-88-1 EC number: 240-440-2	
Classification Not Classified	
Sodium Laureth Sulfate	1-5%
CAS number: 68891-38-3 EC number: 500-234-8 REACH registration number: 01-2119488639-16-XXXX	
Classification Skin Irrit. 2 - H315 Eye Dam. 1 - H318 Aquatic Chronic 3 - H412	
sodium hypochlorite	1-5%
CAS number: 7681-52-9 EC number: 231-668-3 REACH registration number: 01-2119488154-34-0000	
M factor (Acute) = 10	
Classification Met. Corr. 1 - H290 Skin Corr. 1B - H314 Eye Dam. 1 - H318 STOT SE 3 - H335 Aquatic Acute 1 - H400	

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Sodium Hydroxide		<1%
CAS number: 1310-73-2	EC number: 215-185-5	REACH registration number: 01-2119457892-07-0000
Classification		
Met. Corr. 1 - H290 Skin Corr. 1A - H314		
Sodium Silicate		<1%
CAS number: 1344-09-8	EC number: 215-687-4	REACH registration number: 01-2119448725-31-0000
Classification		Classification (67/548/EEC or 1999/45/EC)
Met. Corr. 1 - H290 Skin Corr. 1B - H314 Eye Dam. 1 - H318		C; R34
Amines, C12-18(even numbered)-alkyldimethyl, N-oxides		<1%
CAS number: 68955-55-5	EC number: 931-341-1	REACH registration number: 01-2119489396-21-XXXX
M factor (Acute) = 1		
Classification		
Acute Tox. 4 - H302 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	Wash skin thoroughly with soap and water. Remove contaminated clothing and rinse skin thoroughly with water. 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.

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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 Use protection suitable to cause of fire.

Special protective equipment for firefighters 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

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 contact with skin and eyes. Do not mix with other products. May release dangerous gas (chlorine).

Incompatible Materials Acids

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 hard surfaces around the home and removing mould and mildew stains. Observe precautions in section 7.1

SECTION 8: Exposure Controls/personal protection

8.1. Control parameters

Occupational exposure limits

Calcium/Magnesium Carbonate

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Long-term exposure limit (8-hour TWA): WEL 4 mg/m³ respirable dust

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 Hydroxide

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

Sodium Silicate

Long-term exposure limit (8-hour TWA): DNEL, Workers 1.59 mg/kg Dermal

Long-term exposure limit (8-hour TWA): DNEL, Workers 5.61 mg/m³ Inhalation

Long-term exposure limit (8-hour TWA): DNEL, General 0.8 mg/kg Oral

Long-term exposure limit (8-hour TWA): DNEL, General 1.38 mg/m³ Inhalation

Long-term exposure limit (8-hour TWA): DNEL, General 0.8 mg/kg Dermal

WEL = Workplace Exposure Limit

Amines, C12-18(even numbered)-alkyldimethyl, N-oxides (CAS: 68955-55-5)

DNEL	Workers - Dermal; systemic effects: 11 mg/kg/day Workers - Inhalation; systemic effects: 15.5 mg/m ³ Workers - Dermal; local effects: 0.27 % General population - Dermal; systemic effects: 5.5 mg/kg/day General population - Inhalation; systemic effects: 3.8 mg/m ³ 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

Eye/face protection	Wear tight-fitting, chemical splash goggles or face shield.
Hand protection	For users with sensitive skin, it is recommended that suitable protective gloves are worn. Wear protective gloves made of the following material: Butyl rubber. Polyvinyl chloride (PVC).
Respiratory protection	Use in a well ventilated area. If this is not possible use a respirator with combination filter e.g. B-P2 or B-P3
Environmental exposure controls	This product does not pose a hazard in normal use when following the usage instructions.

SECTION 9: Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Appearance	Viscous white liquid
Colour	White.
Odour	Bleach
Odour threshold	Not known.
pH	pH (concentrated solution): 12.4 - 13.6
Melting point	Not known.

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Initial boiling point and range	Not measured (>100°C)
Flash point	Not applicable.
Evaporation rate	Not measured.
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	1.24 - 1.32 @ 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	5000 - 10000 cP @ 20°C
Explosive properties	None
Explosive under the influence of a flame	Not considered to be explosive.
Oxidising properties	Not available.
<u>9.2. Other information</u>	
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.

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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.

Other health effects Relevant effects for mixture: Irritation OPT DRM Hazardous:calculated

Acute toxicity - oral

ATE oral (mg/kg) 106,400.0

Toxicological information on ingredients.

Sodium Laureth Sulfate

Acute toxicity - oral

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

Species Rat

Acute toxicity - dermal

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

Species Rat

sodium hypochlorite

Acute toxicity - oral

Acute toxicity oral (LD₅₀ mg/kg) 3,400.0

Species Mouse

ATE oral (mg/kg) 3,400.0

Acute toxicity - dermal

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

Species Rabbit

Acute toxicity - inhalation

Acute toxicity inhalation (LC₅₀ vapours mg/l) 10.5

Species Rat

Sodium Hydroxide

Acute toxicity - oral

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

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Species	Rat
<u>Amines, C12-18(even numbered)-alkyldimethyl, N-oxides</u>	
<u>Acute toxicity - oral</u>	
Acute toxicity oral (LD₅₀ mg/kg)	1,064.0
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.

Ecological information on ingredients.

sodium hypochlorite

<u>Acute aquatic toxicity</u>	
LE(C)₅₀	0.01 < L(E)C ₅₀ ≤ 0.1
M factor (Acute)	10
Acute toxicity - fish	LC ₅₀ , 96 hours: 0.22 - 0.62 mg/l, Pimephales promelas
Acute toxicity - aquatic invertebrates	EC ₅₀ , 96 hours: 2.1 mg/l, Daphnia magna
Acute toxicity - aquatic plants	EC ₅₀ , 24 hours: 28 mg/l, Desmodesmus subspicatus

Sodium Hydroxide

<u>Acute aquatic toxicity</u>	
Acute toxicity - fish	LC ₅₀ , 96 hours: 125 mg/l, Freshwater fish
Acute toxicity - aquatic invertebrates	EC ₅₀ , 24 hours: 76 mg/l, Daphnia magna
Acute toxicity - microorganisms	EC ₅₀ , 15 minute: 22 mg/l, Bacteria

Amines, C12-18(even numbered)-alkyldimethyl, N-oxides

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

12.2. Persistence and degradability

Persistence and degradability Contains detergents that satisfy the bio-degradation requirements of directive 648/2004/EC.

12.3. Bioaccumulative potential

Bioaccumulative potential	Cocamine Oxide
Partition coefficient	Not available.

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12.4. Mobility in soil

Mobility The components of the mixture are readily absorbed into soil and are mobile in water environment.

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 available.

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. Do not allow large amounts to enter septic tanks and other such sewerage installations. 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

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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.
 Directive 98/8/EC of the European Parliament and of the Council of 16 February 1998 concerning the placing of biocidal products on the market

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.
 DNEL: Derived No Effect Level.
 EC₅₀: 50% of maximal Effective Concentration.
 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.

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

Revised formulation.

Issued by

The London Oil Refining Company Ltd

Revision date

11/04/2019

Revision

2.1

Supersedes date

15/09/2017

SDS number

4936

Hazard statements in full

H290 May be corrosive to metals.
 H302 Harmful if swallowed.
 H314 Causes severe skin burns and eye damage.
 H315 Causes skin irritation.
 H318 Causes serious eye damage.
 H319 Causes serious eye irritation.
 H335 May cause respiratory irritation.
 H400 Very toxic to aquatic life.
 H411 Toxic to aquatic life with long lasting effects.
 H412 Harmful to aquatic life with long lasting effects.