



SAFETY DATA SHEET

Astonish Fabric Stain Remover

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

1.1. Product identifier

Product name Astonish Fabric Stain Remover

Product number 932101

Internal identification F2V1

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

Identified uses Removing stains from fabrics

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 Eye Irrit. 2 - H319

Environmental hazards Not Classified

2.2. Label elements

Pictogram



Signal word Warning

Hazard statements H319 Causes serious eye irritation.

Astonish Fabric Stain Remover

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 eye and face 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>P337+P313 If eye irritation persists: Get medical advice/ attention.</p>
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Additional Labelling

Detergent labelling	< 5% anionic surfactants, < 5% non-ionic surfactants, < 5% perfumes, < 5% phosphonates, Contains 1,2-benzisothiazol-3(2H)-one, 2-methylisothiazol-3(2H)-one
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2.3. Other hazards

SECTION 3: Composition/information on ingredients

3.2. Mixtures

C13/15 Alcohol Ethoxylate 1-5%		
CAS number: 68131-39-5		
M factor (Acute) = 1		
Classification	Classification (67/548/EEC or 1999/45/EC)	
Acute Tox. 4 - H302	Xn; R22. Xi; R41. N; R50	
Eye Dam. 1 - H318		
Aquatic Acute 1 - H400		
Sodium Laureth Sulfate 1-5%		
CAS number: 68891-38-3	EC number: 500-234-8	REACH registration number: 01-2119488639-16-0009
Classification	Classification (67/548/EEC or 1999/45/EC)	
Skin Irrit. 2 - H315	Xi; R41, R38. R52/53	
Eye Dam. 1 - H318		
Aquatic Chronic 3 - H412		
Butyl Diglycol 1-5%		
CAS number: 112-34-5	EC number: 203-961-6	
Classification	Classification (67/548/EEC or 1999/45/EC)	
Eye Irrit. 2 - H319	Xi; R36	
Etidronic Acid <1%		
CAS number: 2809-21-4	REACH registration number: 01-2119510391-53-0000	
Classification		
Met. Corr. 1 - H290		
Acute Tox. 4 - H302		
Eye Dam. 1 - H318		

Astonish Fabric Stain Remover

2,6-dimethyloct-7-en-2-ol	<1%
CAS number: 18479-58-8	EC number: 242-362-4
Classification Skin Irrit. 2 - H315 Eye Irrit. 2 - H319	Classification (67/548/EEC or 1999/45/EC) Xi; R36/38
Hexyl Salicylate	<1%
CAS number: 6259-76-3	EC number: 228-408-6
M factor (Chronic) = 1	
Classification Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 Skin Sens. 1 - H317 Aquatic Chronic 1 - H410	Classification (67/548/EEC or 1999/45/EC) Xi; R38. N; R50/53. R43
1-(1,2,3,4,5,6,7,8-Octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one	<1%
CAS number: 54464-57-2	EC number: 259-174-3
M factor (Chronic) = 1	
Classification Skin Irrit. 2 - H315 Skin Sens. 1B - H317 Aquatic Chronic 1 - H410	Classification (67/548/EEC or 1999/45/EC) Xi; R38. N; R51/53. R43

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	Rinse affected area with water.
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	Possible mild transient irritation of skin.
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.

Astonish Fabric Stain Remover

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, minimal fire hazard. Minimal quantities of oxides of carbon may be produced.

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.

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 breathing spray. Point spray away from face. Avoid contact with eyes.

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) Removing stains from fabric

SECTION 8: Exposure Controls/personal protection

8.1. Control parameters

Occupational exposure limits

Butyl Diglycol

Long-term exposure limit (8-hour TWA): 10 ppm 67.5 mg/m³

Short-term exposure limit (15-minute): 15 ppm 101.2 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

Hexyl Salicylate

Long-term exposure limit (8-hour TWA): DNEL 0.729 mg/m³ Inhalation

Long-term exposure limit (8-hour TWA): DNEL 2083 mg/kg Dermal

Astonish Fabric Stain Remover

1-(1,2,3,4,5,6,7,8-Octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one

Long-term exposure limit (8-hour TWA): DNEL 0.1011 mg/cm³ Dermal

Long-term exposure limit (8-hour TWA): DNEL 1.76 mg/m³ Inhalation

Long-term exposure limit (8-hour TWA): DNEL 1.73 mg/kg Dermal

8.2. Exposure controls

Environmental exposure controls This product does not pose a hazard in normal use when following the usage instructions.
Take care to avoid contact with eyes.

SECTION 9: Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Appearance	Clear colourless liquid
Colour	Colourless.
Odour	Floral
Odour threshold	Not known.
pH	pH (concentrated solution): 8.0 - 10.0
Melting point	Not known.
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	1.002 - 1.022 @ 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	Not measured
Explosive properties	None
Explosive under the influence of a flame	Not considered to be explosive.
Oxidising properties	Not available.

9.2. Other information

Astonish Fabric Stain Remover

Other information None.

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity No reactivity hazards expected.

10.2. Chemical stability

Stability Stable under normal conditions.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions None under normal conditions.

10.4. Conditions to avoid

Conditions to avoid None known.

10.5. Incompatible materials

Materials to avoid None known.

10.6. Hazardous decomposition products

Hazardous decomposition products Carbon 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 - oral

ATE oral (mg/kg) 66,666.67

C13/15 Alcohol Ethoxylate

Acute toxicity - oral

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

Species Rat

ATE oral (mg/kg) 2,000.0

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

Astonish Fabric Stain Remover

Butyl Diglycol

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 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.

C13/15 Alcohol Ethoxylate

Acute aquatic toxicity

LE(C)₅₀ 0.1 < L(E)C₅₀ ≤ 1

M factor (Acute) 1

Acute toxicity - fish LC₅₀, 96 hours: 1-10 mg/l, Algae

Acute toxicity - aquatic invertebrates EC₅₀, 48 hours: 0.1-1 mg/l, Daphnia magna

Sodium Laureth Sulfate

Acute toxicity - fish LC₅₀, : >1 - 10 mg/l, Brachydanio rerio (Zebra Fish)

Acute toxicity - aquatic invertebrates EC₅₀, 48 hours: >1 - 10 mg/l, Daphnia magna

Acute toxicity - aquatic plants EC₅₀, 72 hours: >10 - 100 mg/l, Desmodium subspicatus

Acute toxicity - microorganisms EC₁₀, : >10,000 mg/l, Pseudomonas putida

Butyl Diglycol

Acute toxicity - fish LC₅₀, : 100 mg/l, Algae

Acute toxicity - aquatic invertebrates EC₅₀, 48 hours: >100 mg/l, Daphnia magna

Acute toxicity - aquatic plants EC₅₀, : 100 mg/l, Desmodium subspicatus

12.2. Persistence and degradability

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

Astonish Fabric Stain Remover

Sodium Laureth Sulfate

Biodegradation The substance is readily biodegradable.
- >70%: 28 days

Butyl Diglycol

Biodegradation - Degradation 76: 28 days
- Degradation 90-100: 8 days
- Degradation 90-100: 14 days

12.3. Bioaccumulative potential

Partition coefficient Not available.

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.

Butyl Diglycol

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 Not applicable.

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

Astonish Fabric Stain Remover

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 Not applicable.

**Annex II of MARPOL 73/78
and the IBC Code**

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.

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.
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.
EC₅₀: 50% of maximal Effective Concentration.
vPvB: Very Persistent and Very Bioaccumulative.
NOEC: No Observed Effect Concentration.

Revision comments

Revised formulation.

Issued by

The London Oil Refining Company Ltd

Revision date

18/05/2017

Revision

2.1

Supersedes date

23/09/2016

SDS number

4952

Astonish Fabric Stain Remover

Risk phrases in full

R22 Harmful if swallowed.
R36 Irritating to eyes.
R36/38 Irritating to eyes and skin.
R38 Irritating to skin.
R41 Risk of serious damage to eyes.
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.
R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Hazard statements in full

H290 May be corrosive to metals.
H302 Harmful if swallowed.
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H318 Causes serious eye damage.
H319 Causes serious eye irritation.
H400 Very toxic to aquatic life.
H410 Very toxic to aquatic life with long lasting effects.
H412 Harmful to aquatic life with long lasting effects.