



SAFETY DATA SHEET

Astonish Fabric Refresher

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

1.1. Product identifier

Product name Astonish Fabric Refresher

Product number 192601

Internal identification F1V1

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

Identified uses Elimination of malodours 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 Not Classified

Environmental hazards Not Classified

2.2. Label elements

Hazard statements NC Not Classified

Precautionary statements P102 Keep out of reach of children.
 P103 Read label before use.

Additional Labelling

Detergent labelling < 5% amphoteric surfactants, < 5% non-ionic surfactants, < 5% perfumes, Contains 1,2-benzisothiazol-3(2H)-one, 2-methylisothiazol-3(2H)-one

2.3. Other hazards

None

Astonish Fabric Refresher

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Ethanol	1-5%
CAS number: 64-17-5	EC number: 200-578-6
Classification	Classification (67/548/EEC or 1999/45/EC)
Flam. Liq. 2 - H225	F; R11. Xi; R36
Eye Irrit. 2 - H319	

2-methylisothiazol-3(2H)-one	<1%
CAS number: 2682-20-4	EC number: 220-239-6
M factor (Acute) = 1	
Classification	Classification (67/548/EEC or 1999/45/EC)
Acute Tox. 3 - H301	T; R23. Xn; R22. C; R34. N; R50. R43
Acute Tox. 3 - H311	
Acute Tox. 2 - H330	
Skin Corr. 1B - H314	
Skin Sens. 1 - H317	
STOT SE 3 - H335	
Aquatic Acute 1 - H400	
Aquatic Chronic 2 - H411	

1,2-benzisothiazol-3(2H)-one	<1%
CAS number: 2634-33-5	EC number: 220-120-9
M factor (Acute) = 1	
Classification	Classification (67/548/EEC or 1999/45/EC)
Acute Tox. 4 - H302	Xn; R22. Xi; R38, R41. N; R50. R43
Skin Irrit. 2 - H315	
Eye Dam. 1 - H318	
Skin Sens. 1 - H317	
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	Rinse affected area with water.
Eye contact	Rinse thoroughly with water for several minutes. If symptoms persist seek medical advice.

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

Inhalation	Possible mild irritation of breathing passage and possible mouth irritation.
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Astonish Fabric Refresher

Ingestion	Possible mild stomach upset and mild soreness of mouth.
Skin contact	Possible mild transient irritation of skin.
Eye contact	Possible mild irritation, redness and soreness.

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, 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.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions Store in ambient conditions.

7.3. Specific end use(s)

Specific end use(s) Elimination of malodours from fabrics.

SECTION 8: Exposure Controls/personal protection

8.1. Control parameters

Occupational exposure limits

Ethanol

Short-term exposure limit (15-minute): ELV (IE) 1000 ppm

Astonish Fabric Refresher

methanol

Short-term exposure limit (15-minute): WEL 250 ppm 333 mg/m³

Long-term exposure limit (8-hour TWA): ELV (IE) 200 ppm 260 mg/m³

WEL = Workplace Exposure Limit

Ethanol (CAS: 64-17-5)

DNEL	Workers - Dermal; Long term : 343 mg/kg
	Workers - Inhalation; : 950 mg/m ³
	Consumer - Inhalation; local effects: 950 mg/m ³
	Consumer - Dermal; Long term : 206 mg/kg
	Consumer - Inhalation; : 114 mg/m ³
	Consumer - Oral; Long term : 87 mg/kg
PNEC	- Fresh water; 0.96 mg/l
	- Marine water; 0.79 mg/l
	- Sediment (Freshwater); 3.6 mg/kg
	- Soil; 0.63 mg/kg

methanol (CAS: 67-56-1)

DNEL	Workers - Dermal; Short term systemic effects: 40 mg/kg
	Workers - Inhalation; Short term systemic effects: 260 mg/m ³
	Workers - Inhalation; Short term local effects: 260 mg/m ³
	Workers - Dermal; Long term systemic effects: 40 mg/kg
	Workers - Inhalation; Long term systemic effects: 260 mg/m ³
	Workers - Inhalation; Long term local effects: 260 mg/m ³
	Consumer - Dermal; Short term systemic effects: 8 mg/kg
	Consumer - Inhalation; Short term systemic effects: 50 mg/m ³
	Consumer - Oral; Short term systemic effects: 8 mg/kg
	Consumer - Inhalation; Long term local effects: 50 mg/m ³
	Consumer - Oral; Long term systemic effects: 8 mg/kg
	Consumer - Inhalation; Long term systemic effects: 50 mg/m ³
	Consumer - Dermal; Long term systemic effects: 8 mg/kg
Consumer - Inhalation; Short term local effects: 50 mg/m ³	
PNEC	- Fresh water; 154 mg/l
	- Marine water; 15.4 mg/l
	- Sediment; 570.4 mg/kg
	- Soil; 23.5 mg/kg
	- STP; 100 mg/l
	- Intermittent release; 1540 mg/l

8.2. Exposure controls

Environmental exposure controls This product does not pose a hazard in normal use. No personal protective equipment is necessary.

SECTION 9: Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Appearance	Colourless liquid.
Colour	Colourless.
Odour	Sweet Floral
Odour threshold	Not known.

Astonish Fabric Refresher

pH	pH (concentrated solution): 6.5 - 8.5
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	Not known.
Other flammability	Not available.
Vapour pressure	Not available.
Vapour density	> 1 (Air=1)
Relative density	0.983 - 1.003 @ 20°C
Bulk density	Not known.
Solubility(ies)	Soluble in water
Partition coefficient	Not available.
Auto-ignition temperature	Not known.
Decomposition Temperature	Not known.
Viscosity	Not measured
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 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.

Astonish Fabric Refresher

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) 40,000.0

Acute toxicity - dermal

ATE dermal (mg/kg) 120,000.0

Acute toxicity - inhalation

ATE inhalation (vapours mg/l) 1,200.0

methanol

Acute toxicity - oral

ATE oral (mg/kg) 100.0

Acute toxicity - dermal

ATE dermal (mg/kg) 300.0

Acute toxicity - inhalation

ATE inhalation (vapours mg/l) 3.0

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.

12.2. Persistence and degradability

Persistence and degradability Does not contain any components considered to be persistent. Contains detergents that satisfy the biodegradation requirements of directive 648/2004/EC.

12.3. Bioaccumulative potential

Bioaccumulative potential No bio-accumulative potential noted for any component.

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.

12.6. Other adverse effects

Other adverse effects None known.

Astonish Fabric Refresher

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 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 CAS: Chemical Abstracts Service.
DNEL: Derived No Effect Level.
PNEC: Predicted No Effect Concentration.

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.

Astonish Fabric Refresher

Revision comments	Revised formulation. Product Identifier and Revision Numbers restarted for new formulation
Issued by	The London Oil Refining Company Ltd
Revision date	18/05/2017
Revision	1.1
Supersedes date	07/02/2016
SDS number	4945
Risk phrases in full	R11 Highly flammable. R22 Harmful if swallowed. R23 Toxic by inhalation. R34 Causes burns. R36 Irritating to eyes. R38 Irritating to skin. R41 Risk of serious damage to eyes. R43 May cause sensitisation by skin contact. R50 Very toxic to aquatic organisms.
Hazard statements in full	H225 Highly flammable liquid and vapour. H301 Toxic if swallowed. H302 Harmful if swallowed. H311 Toxic in contact with skin. 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. H330 Fatal if inhaled. H335 May cause respiratory irritation. H400 Very toxic to aquatic life. H411 Toxic to aquatic life with long lasting effects.