



SAFETY DATA SHEET

Astonish Zesty Lemon Floor Cleaner

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

1.1. Product identifier

Product name	Astonish Zesty Lemon Floor Cleaner
Product number	263001
Internal identification	2630F3V1

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

Identified uses	Cleaning vinyl, linoleum, ceramic and natural stone floors.
Uses advised against	Always follow the floor manufacturer's guidelines. If unsure test on a small inconspicuous area first for compatibility. Do not use on carpets, fabrics or porous surfaces.

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	UK - Emergency Telephone (01274) 767440 (8am-4pm Mon-Fri). ROI - Poisons Information Centre of Ireland: 01 809 2166 8am-10pm 7 days a week
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SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (EC 1272/2008)

Physical hazards	Not Classified
Health hazards	Skin Sens. 1 - H317
Environmental hazards	Not Classified

2.2. Label elements

Hazard pictograms



Signal word	Warning
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Hazard statements	H317 May cause an allergic skin 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. P261 Avoid breathing spray. P280 Wear protective gloves. P302+P352 IF ON SKIN: Wash with plenty of water. P332+P313 If skin irritation occurs: Get medical advice/ attention.
Contains	2-methylisothiazol-3(2H)-one
Additional Labelling	None
Detergent labelling	< 5% anionic surfactants, < 5% non-ionic surfactants, < 5% perfumes, Contains d-Limonene, 1,2-benzisothiazol-3(2H)-one, 2-methylisothiazol-3(2H)-one

2.3. Other hazards

None

SECTION 3: Composition/information on ingredients

3.2. Mixtures

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			

Sodium Carbonate			<1%
CAS number: 497-19-8	EC number: 207-838-8	REACH registration number: 01-2119485498-19-0000	
Classification Eye Irrit. 2 - H319			

Citric Acid Monohydrate			<1%
CAS number: 5949-29-1	EC number: 201-069-1		
Classification Eye Irrit. 2 - H319			

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2,2'-iminodiethanol <1% CAS number: 111-42-2 EC number: 203-868-0
Classification Acute Tox. 4 - H302 Skin Irrit. 2 - H315 Eye Dam. 1 - H318 STOT RE 2 - H373 Aquatic Chronic 3 - H412
tetrasodium ethylene diamine tetraacetate <1% CAS number: 64-02-8 EC number: 200-573-9
Classification Acute Tox. 4 - H302 Acute Tox. 4 - H332 Eye Dam. 1 - H318 STOT RE 2 - H373
d-Limonene <1% CAS number: 5989-27-5 EC number: 227-813-5 M factor (Chronic) = 1
Classification Flam. Liq. 3 - H226 Skin Irrit. 2 - H315 Skin Sens. 1B - H317 Asp. Tox. 1 - H304 Aquatic Chronic 1 - H410
1,2-benzisothiazol-3(2H)-one <1% CAS number: 2634-33-5 EC number: 220-120-9 M factor (Acute) = 1
Classification Acute Tox. 4 - H302 Skin Irrit. 2 - H315 Eye Dam. 1 - H318 Skin Sens. 1 - H317 Aquatic Acute 1 - H400 Aquatic Chronic 2 - H411

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2-methylisothiazol-3(2H)-one		<1%
CAS number: 2682-20-4	EC number: 220-239-6	
M factor (Acute) = 1		
Classification		
Acute Tox. 3 - H301		
Acute Tox. 3 - H311		
Skin Corr. 1B - H314		
Skin Sens. 1 - H317		
STOT SE 3 - H335		
Aquatic Acute 1 - H400		

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. Take off contaminated clothing and wash it before reuse. Get medical attention if irritation persists after washing.
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.
Ingestion	Possible mild stomach upset and mild soreness of mouth.
Skin contact	Causes skin irritation.
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.
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5.3. Advice for firefighters

Protective actions during firefighting	Use protection suitable to cause of fire.
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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 breathing spray. Point spray away from face. Avoid contact with skin.

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 vinyl, linoleum, ceramic and natural stone floors.

SECTION 8: Exposure controls/Personal protection

8.1. Control parameters

Occupational exposure limits

Sodium Carbonate

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

2,2'-iminodiethanol

Long-term exposure limit (8-hour TWA): WEL 13 mg/m³

WEL = Workplace Exposure Limit.

Citric Acid Monohydrate (CAS: 5949-29-1)

PNEC

- Fresh water; 0.44 mg/l
- Sediment (Freshwater); 3.46 mg/kg
- Sediment (Marinewater); 34.6 mg/kg
- marine water; 0.044 mg/l
- STP; >1000 mg/l
- Soil; 33.1 mg/kg

8.2. Exposure controls

Eye/face protection Avoid contact with eyes.

Hand protection Wear protective gloves.

Environmental exposure controls This product does not pose a hazard in normal use when following the usage instructions.

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SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	Clear Fluorescent Yellow Thin Liquid
Colour	Fluorescent Yellow
Odour	Lemon/Citrus
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 determined.
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	1.00 - 1.006 @ 20°C
Bulk density	Not relevant.
Solubility(ies)	Soluble in water
Partition coefficient	Not known.
Auto-ignition temperature	Not known.
Decomposition Temperature	Not available.
Viscosity	Not determined.
Explosive properties	Not considered to be explosive.
Explosive under the influence of a flame	Not considered to be explosive.
Oxidising properties	Not applicable.

9.2. Other information

Other information	None.
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SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity	No reactivity hazards expected.
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10.2. Chemical stability

Stability	Stable under normal conditions.
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10.3. Possibility of hazardous reactions

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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) 91,173.95

SECTION 12: Ecological information

12.1. Toxicity

Toxicity The mixture has not been tested. Based on the available data of the ingredients the mixture is not classified as harmful to the aquatic environment.

12.2. Persistence and degradability

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

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.

12.5. Results of PBT and vPvB assessment

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 None known.

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.

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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**

ATE: Acute Toxicity Estimate.
CAS: Chemical Abstracts Service.
ECHA: European Chemicals Agency
GHS: Globally Harmonized System.
PBT: Persistent, Bioaccumulative and Toxic substance.
PNEC: Predicted No Effect Concentration.
REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006.
vPvB: Very Persistent and Very Bioaccumulative.

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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.

Any animal testing information or data listed in this safety data sheet is historic published data within the public domain. There is a requirement to declare this information if it is known and this does not impact our cruelty free status. The London Oil Refining Company Ltd does not commission animal testing.

Revision comments

Revised formulation. Revised classification. Revised Internal Identification.

Issued by

The London Oil Refining Company Ltd

Revision date

29/10/2020

Revision

3.1

Supersedes date

26/02/2019

SDS number

5399

Hazard statements in full

H226 Flammable liquid and vapour.
H301 Toxic if swallowed.
H302 Harmful if swallowed.
H304 May be fatal if swallowed and enters airways.
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.
H332 Harmful if inhaled.
H335 May cause respiratory irritation.
H373 May cause damage to organs through prolonged or repeated exposure.
H373 May cause damage to organs (Respiratory tract) through prolonged or repeated exposure.
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.
H412 Harmful to aquatic life with long lasting effects.