



SAFETY DATA SHEET
Multi Surface Cleaner with Orange Oil

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

1.1. Product identifier

Product name Multi Surface Cleaner with Orange Oil

Internal identification F3V2

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

Identified uses Cleaning hard surfaces around the home

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

Physical hazards Not Classified

Health hazards Eye Irrit. 2 - H319 Elicitation - EUH208

Environmental hazards Not Classified

Classification (67/548/EEC or 1999/45/EC) Xi; R36

2.2. Label elements

Pictogram



Signal word Warning

Hazard statements EUH208 Contains d-Limonene, 1,2-benzisothiazol-3(2H)-one. May produce an allergic reaction.
 H319 Causes serious eye irritation.

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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.
 P264 Wash hands thoroughly after handling.
 P280 Wear eye and face protection.
 P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P337+P313 If eye irritation persists: Get medical advice/attention.

Detergent labelling

< 5% non-ionic surfactants, < 5% perfumes, Contains d-Limonene, 1,2-benzisothiazol-3(2H)-one

2.3. Other hazards

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Undecanol, branched and linear, ethoxylated (>5-15 EO)			1-5%
CAS number: 127036-24-2		EC number: 931-721-7	
Classification		Classification (67/548/EEC or 1999/45/EC)	
Acute Tox. 4 - H302		Xn; R22. Xi; R41	
Eye Dam. 1 - H318			
Butyl Diglycol			<1%
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	
d-Limonene			<1%
CAS number: 5989-27-5		EC number: 227-813-5	
M factor (Chronic) = 1			
Classification		Classification (67/548/EEC or 1999/45/EC)	
Flam. Liq. 3 - H226		Xn; R65. Xi; R38. N; R50/53. R10, R43	
Skin Irrit. 2 - H315			
Skin Sens. 1 - H317			
Asp. Tox. 1 - H304			
Aquatic Chronic 1 - H410			
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			
Eye Dam. 1 - H318			

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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 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.

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.

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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

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) Cleaning hard surfaces around the home.

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

Sodium Hydroxide

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

SECTION 9: Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Appearance	Clear Orange Liquid
Colour	Orange.
Odour	Oranges
pH	pH (concentrated solution): 8.5 - 10.5
Initial boiling point and range	Not measured (>100°C)
Flammability (solid, gas)	Does not ignite.

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Vapour density	> 1 (Air=1)
Relative density	1.005 - 1.030
Solubility(ies)	Soluble in water
Viscosity	Not applicable.

9.2. Other information

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) 20,588.23529412

Toxicological information on ingredients.

Undecanol, branched and linear, ethoxylated (>5-15 EO)

Acute toxicity - oral

Acute toxicity oral (LD₅₀ mg/kg) 350.0

Species Rat

ATE oral (mg/kg) 350.0

Acute toxicity - dermal

Acute toxicity dermal (LD₅₀ mg/kg) 2,001.0

Species Rat

ATE dermal (mg/kg) 2,001.0

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1,2-benzisothiazol-3(2H)-one

Acute toxicity - oral

Acute toxicity oral (LD ₅₀ mg/kg)	2,660.0
Species	Acute toxicity estimate
ATE oral (mg/kg)	500.0

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.

Undecanol, branched and linear, ethoxylated (>5-15 EO)

Acute toxicity - fish	LC ₅₀ , 96 hours: >1 - 10 mg/l, Cyprinus carpio (Common carp)
Acute toxicity - aquatic invertebrates	EC ₅₀ , 48 hours: >1 - 10 mg/l, Daphnia magna
Acute toxicity - aquatic plants	EC ₅₀ , 72 hours: >1 - 10 mg/l, Desmodemus subspicatus

d-Limonene

Chronic aquatic toxicity

NOEC	0.01 < NOEC ≤ 0.1
Degradability	Non-rapidly degradable
M factor (Chronic)	1

1,2-benzisothiazol-3(2H)-one

Acute aquatic toxicity

LE(C) ₅₀	0.1 < L(E)C ₅₀ ≤ 1
M factor (Acute)	1

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.

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

12.6. Other adverse effects

SECTION 13: Disposal considerations

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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 MARPOL73/78 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

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Risk phrases in full

R10 Flammable.
R22 Harmful if swallowed.
R35 Causes severe 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.
R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R65 Harmful: may cause lung damage if swallowed.

Hazard statements in full

EUH208 Contains d-Limonene, 1,2-benzisothiazol-3(2H)-one. May produce an allergic reaction.
H226 Flammable liquid and vapour.
H290 May be corrosive to metals.
H302 Harmful if swallowed.
H304 May be fatal if swallowed and enters airways.
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.
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.