

**SAFETY DATA SHEET****Germ Clear Antibacterial Disinfectant****SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1. Product identifier**

Product name Germ Clear Antibacterial Disinfectant
Internal identification F11V1

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

Identified uses Cleaning hard surfaces around the home with antibacterial action.

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

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

Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 Elicitation - EUH208

Environmental hazards

Aquatic Acute 1 - H400 Aquatic Chronic 2 - H411

2.2. Label elements**Pictogram****Signal word**

Warning

Hazard statements

H315 Causes skin irritation.
H319 Causes serious eye irritation.
H400 Very toxic to aquatic life.
H411 Toxic to aquatic life with long lasting effects.
EUH208 Contains Limonene. May produce an allergic reaction.

Precautionary statements

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P273 Avoid release to the environment.
 P280 Wear protective gloves, eye and face protection.
 P302+P352 IF ON SKIN: Wash with plenty of water.
 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.
 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 skin thoroughly after handling.
 P333+P313 If skin irritation or rash occurs: Get medical advice/attention.

Contains

Quaternary ammonium compounds, benzyl (C12 - C16) alkyl dimethyl, chlorides

Detergent labelling

< 5% cationic surfactants, < 5% non-ionic surfactants, Contains Limonene

Additional Labelling

< 5% disinfectants

2.3. Other hazards

None

SECTION 3: Composition/information on ingredients**3.2. Mixtures**

Quaternary ammonium compounds, benzyl (C12 - C16) alkyl dimethyl, chlorides	1-5%
CAS number: 68424-85-1 EC number: 270-325-2 M factor (Acute) = 10 M factor (Chronic) = 1	
Classification Met. Corr. 1 - H290 Acute Tox. 4 - H302 Skin Corr. 1B - H314 Eye Dam. 1 - H318 Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410	Classification (67/548/EEC or 1999/45/EC) Xn; R22. C; R34. N; R50/53
Isopropanol	1-5%
CAS number: 67-63-0 EC number: 200-661-7 REACH registration number: 01-2119457558-25-0000	
Classification Flam. Liq. 2 - H225 Eye Irrit. 2 - H319 STOT SE 3 - H336	Classification (67/548/EEC or 1999/45/EC) F; R11. Xi; R36. R67
Terpineol	1-5%
CAS number: 8000-41-7 EC number: 232-268-1	
Classification Skin Irrit. 2 - H315 Eye Irrit. 2 - H319	Classification (67/548/EEC or 1999/45/EC) Xi; R36/38
Cocamine Oxide	<1%
CAS number: 308062-28-4 EC number: 931-292-6 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	Classification (67/548/EEC or 1999/45/EC) Xn; R22. Xi; R41, R38. N; R50, R51/53

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Limonene	<1%
CAS number: 7705-14-8 EC number: 231-732-0	
Classification Flam. Liq. 3 - H226 Skin Irrit. 2 - H315 Skin Sens. 1 - H317 Asp. Tox. 1 - H304 Aquatic Chronic 3 - H412	Classification (67/548/EEC or 1999/45/EC) Xn; R65. Xi; R38. R52/53, R10, 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. Remove contaminated clothing.

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 mild skin irritation.

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.

6.2. Environmental precautions

Environmental precautions

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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 contact with skin and 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 providing antibacterial action.

SECTION 8: Exposure Controls/personal protection

8.1. Control parameters

Occupational exposure limits

Isopropanol

Long-term exposure limit (8-hour TWA): WEL 400 999

Short-term exposure limit (15-minute): WEL 500 1250

WEL = Workplace Exposure Limit

Tetrasodium N,N-bis(carboxylatomethyl)-L-glutamate (CAS: 51981-21-6)

DNEL	Workers - Inhalation; Short term systemic effects: 55 mg/m ³ Workers - Inhalation; Short term local effects: 55 mg/m ³ Workers - Inhalation; Long term systemic effects: 7.3 mg/m ³ Workers - Dermal; Long term systemic effects: 15000 mg/kg/day Consumer - Inhalation; Long term systemic effects: 1.8 mg/m ³ Consumer - Dermal; Long term systemic effects: 7500 mg/kg/day Consumer - Oral; Long term systemic effects: 1.5 mg/kg/day
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Cocamine Oxide (CAS: 308062-28-4)

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
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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
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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
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8.2. Exposure controls

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Environmental exposure controls

This product does not pose a hazard in normal use when following the usage instructions. Take care to avoid contact with skin and eyes. Gloves may be required for repeated or prolonged exposure.

SECTION 9: Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Appearance

Clear green liquid

Odour

Pine

pH

pH (concentrated solution): 6.5-8.5

Initial boiling point and range

Not measured (>100°C)

Flash point

Not applicable.

Flammability (solid, gas)

Does not ignite.

Vapour pressure

Not available.

Vapour density

>1 (Air=1)

Relative density

0.98.-1.005

Solubility(ies)

Soluble in water

Viscosity

Not measured

Explosive properties

None

Oxidising properties

Not available.

9.2. Other information

Other information

None.

SECTION 10: Stability and reactivity

10.1. Reactivity

No reactivity hazards expected.

10.2. Chemical stability

Stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

None under normal conditions.

10.4. Conditions to avoid

None known.

10.5. Incompatible materials

Materials to avoid

None known.

10.6. Hazardous decomposition products

Carbon oxides.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

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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)

31,800.0

Toxicological information on ingredients.

Quaternary ammonium compounds, benzyl (C12 - C16) alkyl dimethyl, chlorides

Acute toxicity - oral

Acute toxicity oral (LD mg/kg)

795.0

Species

Rat

ATE oral (mg/kg)

795.0

Acute toxicity - dermal

Acute toxicity dermal (LD mg/kg)

1560.0

Species

Rat

Isopropanol

Acute toxicity - oral

Acute toxicity oral (LD mg/kg)

5,820.0

Species

Rat

ATE oral (mg/kg)

5,820.0

Acute toxicity - dermal

Acute toxicity dermal (LD mg/kg)

12800.0

Species

Rabbit

ATE dermal (mg/kg)

12800.0

SECTION 12: Ecological Information

12.1. Toxicity

The mixture has not been tested. Based on the available data of the ingredients the classification criteria are not met.

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Ecological information on ingredients.

Quaternary ammonium compounds, benzyl (C12 - C16) alkyl dimethyl, chlorides

Acute aquatic toxicity

LE(C)

0.01 < L(E)C50 ≤ 0.1

M factor (Acute)

10

Acute toxicity - fish

LC , 96 hours: 1.7 mg/l, Onchorhynchus mykiss (Rainbow trout)

Acute toxicity - aquatic invertebrates

EC , 48 hours: 0.03 mg/l, Daphnia magna

Acute toxicity - aquatic plants

EC , 96 hours: 0.06 mg/l, Selenastrum capricornutum

Acute toxicity - microorganisms

EC , 0.5 hour: 10 mg/l, Activated sludge

Chronic aquatic toxicity

M factor (Chronic)

1

12.2. Persistence and degradability

Persistence and degradability

Contains detergents that satisfy the bio-degradation requirements of directive 648/2004/EC. Pine oil - complete in 28 days. OECD 301E-Readily biodegradable material modified screening test. OECD 302 C 0 Inherent biodegradability modified MITI test (no.2)

12.3. 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

No data available.

12.6. Other adverse effects

Not determined.

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

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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

Not applicable.

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

Issued by The London Oil Refining Company Ltd

Revision date 26/03/2015

Revision 1

SDS number 4881

Risk phrases in full

R11 Highly flammable.
 R22 Harmful if swallowed.
 R34 Causes burns.
 R36 Irritating to eyes.
 R38 Irritating to skin.
 R41 Risk of serious damage to eyes.
 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.
 R67 Vapours may cause drowsiness and dizziness.

Hazard statements in full

EUH208 Contains Limonene. May produce an allergic reaction.
 H225 Highly flammable liquid and vapour.
 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.
 H336 May cause drowsiness or dizziness.
 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.