

SAFETY DATA SHEET Astonish Germ Clear Disinfectant Super Concentrated

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

1.1. Product identifier

Product name Astonish Germ Clear Disinfectant Super Concentrated

Product number 922701

Internal identification F11V3

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

Identified usesCleaning 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)

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

Environmental hazards Aquatic Acute 1 - H400 Aquatic Chronic 2 - H411

2.2. Label elements

Pictogram





Signal word Warning

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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 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.

P273 Avoid release to the environment.

P280 Wear protective gloves, eye and face protection.

P264 Wash skin thoroughly after handling.

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.
P333+P313 If skin irritation or rash occurs: Get medical advice/ attention.

Additional Labelling < 5% disinfectants

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

2.3. Other hazards

None

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Quaternary ammonium compounds, benzyl (C12 - C16) alkyl

1-5%

dimethyl, chlorides

Classification Classification (67/548/EEC or 1999/45/EC)

Met. Corr. 1 - H290 Xn; R22. C; R34. N; R50/53

Acute Tox. 4 - H302 Skin Corr. 1B - H314 Eye Dam. 1 - H318 Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410

Isopropanol 1-5%

CAS number: 67-63-0 EC number: 200-661-7 REACH registration number: 01-

2119457558-25-0000

Classification Classification (67/548/EEC or 1999/45/EC)

Flam. Liq. 2 - H225 F; R11. Xi; R36. R67

Eye Irrit. 2 - H319 STOT SE 3 - H336

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Terpineol 1-5%

Classification Classification (67/548/EEC or 1999/45/EC)

Skin Irrit. 2 - H315 Xi; R36/38

Eye Irrit. 2 - H319

Cocamine Oxide <1%

M factor (Acute) = 1

Classification Classification (67/548/EEC or 1999/45/EC)

Acute Tox. 4 - H302 Xn; R22. Xi; R41, R38. N; R50, R51/53

Skin Irrit. 2 - H315 Eye Dam. 1 - H318 Aquatic Acute 1 - H400 Aquatic Chronic 2 - H411

Limonene <1%

Classification Classification (67/548/EEC or 1999/45/EC)

Flam. Liq. 3 - H226 Xn; R65. Xi; R38. R52/53, R10, R43

Skin Irrit. 2 - H315 Skin Sens. 1 - H317 Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410

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.

Eve contact Causes eye irritation.

4.3. Indication of any immediate medical attention and special treatment needed

Notes for the doctor No data avaliable

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Specific treatments No data available.

SECTION 5: Firefighting measures

5.1. Extinguishing media

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 precautionsUse 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): EH40 WEL, WEL 400 ppm 999 mg/m³ Short-term exposure limit (15-minute): EH40 WEL 500 ppm 1,250 mg/m³

WEL = Workplace Exposure Limit

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

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DNEL Workers - Inhalation; Short term systemic effects: 55 mg/m³

Workers - Inhalation; Short term local effects: 55 mg/m³ Workers - Inhalation; Long term systemic effects: 7.3 mg/m³ Workers - Dermal; Long term systemic effects: 15000 mg/kg/day Consumer - Inhalation; Long term systemic effects: 1.8 mg/m³ Consumer - Dermal; Long term systemic effects: 7500 mg/kg/day Consumer - Oral; Long term systemic effects: 1.5 mg/kg/day

Cocamine Oxide (CAS: 308062-28-4)

DNEL Workers - Dermal; systemic effects: 11 mg/kg/day

Workers - Inhalation; systemic effects: 15.5 mg/m³

Workers - Dermal; local effects: 0.27 %

General population - Dermal; systemic effects: 5.5 mg/kg/day General population - Inhalation; systemic effects: 3.8 mg/m³ General population - Oral; systemic effects: 0.44 mg/kg/day

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/kgSTP; 24 mg/kg

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

PNEC - Fresh water; 0.44 mg/l

Sediment (Freshwater); 3.46 mg/kgSediment (Marinewater); 34.6 mg/kg

- Marine water; 0.044 mg/l

- STP; >1000 mg/l - Soil; 33.1 mg/kg

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 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

Colour Green.
Odour Pine

Odour threshold Not known.

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 known.

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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 0.975 - 1.005 @ 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 measured

Explosive properties None

Explosive under the influence

of a flame

Not considered to be explosive.

Oxidising properties Not available.

9.2. Other information

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

Carbon oxides.

products

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 avaliable data of the ingredients the

classification criteria are not met.

Acute toxicity - oral

ATE oral (mg/kg) 31,800.0

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

Acute toxicity - oral

Acute toxicity oral (LD₅₀ 795.0

mg/kg)

Species Rat

ATE oral (mg/kg) 795.0

Acute toxicity - dermal

Acute toxicity dermal (LD₅₀ 1,560.0

mg/kg)

Species Rat

Isopropanol

Acute toxicity - oral

Acute toxicity oral (LD₅₀ 5,820.0

mg/kg)

Species Rat

ATE oral (mg/kg) 5,820.0

Acute toxicity - dermal

Acute toxicity dermal (LD₅₀ 12,800.0

mg/kg)

Species Rabbit

ATE dermal (mg/kg) 12,800.0

SECTION 12: Ecological Information

12.1. Toxicity

Toxicity The mixture has not been tested. Based on the avaliable data of the ingredients the

classification criteria are not met.

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

Acute aquatic toxicity

LE(C)₅₀ $0.01 < L(E)C50 \le 0.1$

M factor (Acute) 10

Acute toxicity - fish LC₅₀, 96 hours: 1.7 mg/l, Onchorhynchus mykiss (Rainbow trout)

Acute toxicity - aquatic

invertebrates

EC₅o, 48 hours: 0.03 mg/l, Daphnia magna

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Acute toxicity - aquatic

plants

EC₅₀, 96 hours: 0.06 mg/l, Selenastrum capricornutum

Acute toxicity -

microorganisms

EC₂₀, 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

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

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

No data available.

12.6. Other adverse effects

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

Environmentally hazardous substance/marine pollutant

No.

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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.

Biocidal Products Regulation (528/2012/EC)

15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

SECTION 16: Other information

Abbreviations and acronyms ATE: Acute Toxicity Estimate. used in the safety data sheet CAS: Chemical Abstracts Service.

DNEL: Derived No Effect Level.

LC₅o: 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. vPvB: Very Persistent and Very Bioaccumulative. EC50: 50% of maximal Effective 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.

Revision comments Product name change.

Issued by The London Oil Refining Company Ltd

Revision date 18/05/2017

Revision 11.3

Supersedes date 02/12/2015

SDS number 4881

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Risk phrases in full R10 Flammable.

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.

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.

R65 Harmful: may cause lung damage if swallowed.

R67 Vapours may cause drowsiness and dizziness.

Hazard statements in full

H225 Highly flammable liquid and vapour.

H226 Flammable liquid and vapour.

H290 May be corrosive to metals.

H302 Harmful if swallowed.

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.

EUH208 Contains Limonene. May produce an allergic reaction.