

**Dr J's Antibacterial Cleaner
Safety Data Sheet**

1. Identification of the substance/ mixture and of the company/undertaking

1.1 Product: Dr J's Antibacterial Cleaner
 1.2 Use of the preparation: An Antibacterial Hard Surface Cleaner
 1.3 Company: MPM Consumer Products Ltd
 33 Croft Street
 Clayton
 Manchester
 M11 4RQ
 Tel: (0161)2316111 Fax: (0161)231 7100
 www.mpmconsumerproducts.com
 1.4 Emergency Telephone: (0161) 231 6111 (office hours only)

2. Hazards Identification

2.1 Classification of the substance or mixture
Classification

Physical Hazards:- Not Classified

Health Hazards:- Not Classified

Environmental Hazards- Aquatic Chronic 3 - H412

2.2 Label elements
 Pictogram

Signal word n/a

Hazard statements H412 Harmful to aquatic life with long lasting effects

Precautionary statements P102 Keep out of reach of children
 P273 Avoid release to the environment.
 P501 Dispose of contents/container in accordance with local requirements for domestic waste disposal

Supplemental label information Benzalkonium Chloride 0.5g per 100g,

Detergent labelling < 5% Non-ionic surfactants. Also contains: Disinfectant -Benzalkonium Chloride, Benzisothiazolinone , Methylisothiazolinone

2.3 Other hazards
 This product does not contain any substances classified as PBT or vPvB

3. Composition/ Information on Ingredients

3.2 Mixtures

Quaternary ammonium compounds, benzyl-C12-14 (even numbered)-alkyldimethyl, chlorides	0.5 - <1%
CAS no: 85409-22-9	
EC no: 939-350-2	
REACH registration no: 01-2119970550-39-XXXX	

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M factor (Acute) = 10	
Classification 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
Alcohol ethoxylate with 6.5MEO 0.5 - <1%	
CAS no: 68439-46-3 Classification Eye Dam. 1 - H318 Acute Tox. 4 - H302	Classification (67/548/EEC or 1999/45/EC) Xn;R22, Xi; R41
Propan-2-ol, isopropanol 1 – 5%	
CAS no: 67-63-0 EC no: 200-661-7 REACH registration no: 01-2119457558-25-xxxx Classification Flam. Liq.2 – H225 Eye Irrit.2 –H319 STOT SE3 - H336	Classification (67/548/EEC or 1999/45/EC) F; R11, Xi; R36, R67
1,2-benzisothiazol-3(2H)-one <0.025%	
CAS no: 2634-33-5 EC no: 220-120-9 Classification Acute Tox. 4, H302 Skin Irrit. 2, H315 Eye Dam. 1, H318 Skin Sens. 1, H317 Aquatic Acute 1, H400	Classification (67/548/EEC or 1999/45/EC) Xn; R22 Xi; R41, R38 R43 N; R50
2-Methyl-2Hisothiazol-3-one <0.025%	
CAS no: 2682-20-4 EC no: 220-239-6 Classification Acute Tox. 3, H301 Acute Tox. 4, H312 Acute Tox. 3, H331 Skin Corr. 1C, H314 Skin Sens. 1, H317 Aquatic Acute 1, H400	Classification (67/548/EEC or 1999/45/EC) T; R23/25 C; R34 R43 N; R50
Sodium hydroxide <0.025%	
CAS no: 310-73-2 EC no: 215-185-5 REACH registration no: 01-2119457892-27-0000 Classification Acute Tox. 4, H302	Classification (67/548/EEC or 1999/45/EC) C; R35

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Skin Corr. 1A, H314	
Ethanol	<0.025%
CAS no: 64-17-5	
EC no: 200-578-6	
Classification	Classification (67/548/EEC or 1999/45/EC)
Flam. Liq. 2 - H225	F; R11
The full text for all R- Phrases and Hazard Statements are Displayed in section 16	
4. First Aid Measures	
4.1. Description of first aid measures	
Inhalation:	Move the exposed person to fresh air at once. Rinse nose and mouth with water. Get medical attention if any discomfort continues.
Ingestion:	Rinse mouth out with water and drink copious amounts of water. Do not induce vomiting. If symptoms persist seek medical advice.
Skin contact:	Remove affected person from source of contamination. Remove contaminated clothing. Wash the skin immediately with soap and water. Get medical attention if any discomfort continues.
Eye contact:	Remove victim immediately from source of exposure. Make sure to remove any contact lenses from the eyes before rinsing. Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes and get medical attention.
4.2. Most important symptoms and effects, both acute and delayed	
Inhalation:	Not expected to be irritating to the respiratory system. Not volatile therefore limited inhalation exposure anticipated
Ingestion:	May cause mild stomach upset
Skin contact:	May cause skin sensitisation or allergic reactions in sensitive individuals
Eye contact:	May cause severe irritation to eyes.
4.3. Indication of any immediate medical attention and special treatment needed	
No recommendation given, but first aid may still be required in case of accidental exposure, inhalation or ingestion of this chemical. If in doubt, GET MEDICAL ATTENTION PROMPTLY!	
5. Fire Fighting Measures	
5.1. Extinguishing media	
Extinguishing media :	Use fire-extinguishing media appropriate for surrounding materials.
Unsuitable extinguishing media:	Do not use water jet as an extinguisher, as this will spread the fire
5.2. Special hazards arising from the substance or mixture	
Specific hazards:	No specific firefighting precautions applicable when small quantities are involved in the fire
Hazardous combustion products:	Carbon dioxide (CO ₂). Carbon monoxide (CO). Nitrous gases(NO _x). Oxides of sulphur
5.3. Advice for firefighters	
Protective equipment for fire-firefighters:	Self-contained breathing apparatus and full protective clothing must be worn in case of fire.
6. Accidental Release Measures	
6.1. Personal precautions, protective equipment and emergency procedures	
Personal precautions : Take care as floors and other surfaces may become slippery.	

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6.2. Environmental precautions

Environmental precautions: Large Spillages - Do not discharge into drains or watercourses or onto the ground.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up: Take care as floors and other surfaces may become slippery. Large Spillages: Absorb spillage with suitable absorbent material. Flush contaminated area with plenty of water. Wash thoroughly after dealing with a spillage. For waste disposal, see Section 13.

6.4. Reference to other sections

Reference to other sections: See Section 11 for additional information on health hazards. See Section 12 for additional information on ecological hazards. For waste disposal, see Section 13.

7. Handling and Storage

7.1. Precautions for safe handling

Usage precautions: Read and follow manufacturer's recommendations on label. Handle all packages and containers carefully to minimise spills. Keep container tightly sealed when not in use.

Advice on general occupational hygiene: Remove contaminated clothing and protective equipment before entering eating areas. Wash at the end of each work shift and before eating, smoking and using the toilet.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions : Store in tightly-closed, original container. Store upright in a cool , safe place away from direct sunlight.

7.3. Specific end use(s)

Specific end use(s): As stated in Section 1.2.

8. Exposure controls/ Personal Protection

8.1. Control parameters

Occupational exposure limits

Propan-2-ol

Long term exposure limit (8-hr TWA) WEL: 400ppm, 999 mg/m³

Short term exposure limit (15 mins) WEL: 500ppm, 1250 mg/m³

Sodium Hydroxide

Short term exposure limit (15 mins) WEL 2mg/m³

Ethanol

Long term exposure limit (8-hr TWA) WEL : 1000ppm, 1920mg/m³

WEL = Workplace Exposure Limit

8.2. Exposure controls

Appropriate engineering

Provide adequate ventilation. Observe any occupational exposure limits for the product or ingredients.

Eye/face protection Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible. Personal protective equipment for eye and face protection should comply with European Standard EN166.

Hand protection

For users with sensitive skin, it is recommended that suitable protective gloves are worn.

Other skin and body protection

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Wear appropriate clothing to prevent repeated or prolonged skin contact.

Hygiene measures

When using do not eat, drink or smoke. Wash hands thoroughly after handling. Wash at the end of each work shift and before eating, smoking and using the toilet.

Respiratory protection

If ventilation is inadequate, suitable respiratory protection must be worn.

Environmental exposure controls

Keep container tightly sealed when not in use. Provide adequate ventilation. Observe any occupational exposure limits for the product or ingredients.

9. Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Appearance:	Clear liquid.
Colour:	Colourless
Odour:	Characteristic.
Odour Threshold :	Not available.
pH:	6.5 – 7.5
Melting point :	~0°C
Initial boiling point and range :	102°C
Flash point:	Not available.
Evaporation rate:	Not available.
Evaporation factor:	Not available.
Flammability (solid, gas):	The product is not flammable.
Upper/lower flammability or explosive limits:	Not available.
Vapour pressure :	Not available.
Vapour density:	Not available.
Relative density:	0.99-1.03 @ 20°C
Bulk density:	Not available.
Solubility(ies):	Soluble in water.
Partition coefficient :	Not available.
Auto-ignition temperature:	Not available.
Decomposition Temperature:	Not available.
Viscosity:	Not available.
Explosive properties:	Not considered to be explosive.
Oxidising properties:	Does not meet the criteria for classification as oxidising.

9.2 Other Information

Other Information : No information required

10. Stability and Reactivity

10.1. Reactivity

See the other subsections of this section for further details.

10.2. Chemical stability

Stability: Stable at normal ambient temperatures and when used as recommended.

10.3. Possibility of hazardous reactions

No specific material or group of materials is likely to react with the product to produce a hazardous situation.

10.4. Conditions to avoid

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Avoid excessive heat for prolonged periods of time.

10.5. Incompatible materials

Materials to avoid: No specific material or group of materials is likely to react with the product to produce a hazardous situation.

10.6. Hazardous decomposition products

Does not decompose when used and stored as recommended.

11. Toxicological Information

11.1. Information on toxicological effects

Acute toxicity - oral

Based on available data the classification criteria are not met.

Acute toxicity - dermal

Based on available data the classification criteria are not met.

Acute toxicity - inhalation

Based on available data the classification criteria are not met.

Skin corrosion/irritation

Animal data

Based on available data the classification criteria are not met.

Serious eye damage/ irritation

Based on available data the classification criteria are not met.

Respiratory sensitisation

Based on available data the classification criteria are not met.

Skin sensitisation

Based on available data the classification criteria are not met.

Germ cell mutagenicity

Genotoxicity - in vitro

Based on available data the classification criteria are not met.

Carcinogenicity

Based on available data the classification criteria are not met.

Reproductive toxicity

Reproductive toxicity - fertility

Based on available data the classification criteria are not met.

Reproductive toxicity - development

Based on available data the classification criteria are not met.

Specific target organ toxicity - single exposure

STOT - single exposure

Based on available data the classification criteria are not met.

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Specific target organ toxicity - repeated exposure

STOT - repeated exposure

Based on available data the classification criteria are not met.

Aspiration hazard

Based on available data the classification criteria are not met.

Toxicological information on ingredients.

Quaternary ammonium compounds, benzyl-C12-14 (even numbered)-alkyldimethyl, chlorides

Acute toxicity - oral

Acute toxicity oral (LD50 mg/kg) 397.5

Species Rat

Raw material suppliers' information. Harmful if swallowed.

ATE oral (mg/kg) 397.5

Acute toxicity - dermal

Acute toxicity dermal (LD50 mg/kg) 3412.0 Based on available data the classification criteria are not met.

Species Rabbit

Alcohol ethoxylate with 6.5MEO

Acute toxicity - oral

Acute toxicity oral (LD50 mg/kg) >300<2000

Species Rat

Raw material suppliers' information. Harmful if swallowed.

ATE oral (mg/kg) >300<2000

Acute toxicity - dermal

Acute toxicity dermal (LD50 mg/kg) >2000 Based on available data the classification criteria are not met

Species Rat

Propan-2-ol

Acute toxicity - oral

Acute toxicity oral (LD50 mg/kg) 5840. Based on available data the classification criteria are not met

Species Rat

Acute toxicity - dermal

Acute toxicity dermal (LD50 mg/kg) 13900. Based on available data the classification criteria are not met

Species Rabbit

Acute toxicity - inhalation

Acute toxicity inhalation (LC50 mg/l – 6hrs) >25

Species Rat

Serious eye damage/ irritation Cause eye irritation

STOT - Single exposure

Inhalation May cause drowsiness or dizziness.

STOT - Repeated exposure

Oral & inhalation Repeated exposure studies demonstrated target organ effects in male rats (kidney) and male and female mice (thyroid) by mechanisms of action that are not relevant to humans

Aspiration hazard

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Aspiration hazard if swallowed - can enter lungs and cause damage. Aspiration may cause pulmonary oedema and pneumonitis

1,2-benzisothiazol-3(2H)-one/2-Methyl-2Hisothiazol-3-one

Acute toxicity - oral

Acute toxicity oral (LD50 mg/kg) >5000. Based on available data the classification criteria are not me

Species Rat

Acute toxicity - dermal

Acute toxicity dermal (LD50 mg/kg) >2000. Based on available data the classification criteria are not me

Species Rat

Acute toxicity - inhalation

Acute toxicity inhalation (LC50 g/m3- 4hrs) >5.0

Species Rat

Irritation/ Corrosion

Animal data - Local Lymph Node Assay - Mouse

2-Methyl-2Hisothiazol-3-one

Respiratory - Cause severe irritation

Skin - Cause slight irritation

Eye - Cause irritation

Skin Sensitisation

OECD - Guinea pig: Sensitising

12. Ecological Information

12.1. Toxicity

Harmful to aquatic life with long lasting effects. Large or frequent spills may have an adverse effect on the environment

Ecological information on ingredients.

Quaternary ammonium compounds, benzyl-C12-14 (even numbered)-alkyldimethyl, chlorides

Fish	CL50	0.515 mg/l		
Daphnia	CE50	0.016mg/l		
Alga	CI50	0.03 mg/l		
Alga	NOEC	0.009mg/l		
LE(C)₅₀	0.01 < L(E)C50 ≤ 0.1		M factor (Acute)	10

Alcohol ethoxylate with 6.5MEO

Fish	LC50, 96hrs	1 -10 mg/l
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Propan-2-ol

Acute toxicity

Fish (Pimephales promelas)	LC50, 96hrs	9640 mg/l
Daphina (Daphina magna)	LC50,24hrs	9714 mg/l
Algae (Scenedesmus subspicatus)	EC50, 72hrs	> 100 mg/l

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

Daphina (Daphina magna)	Acute EC50,48hrs	3.7 mg/l
Algae	Chronic IC50, 72hrs	0.8 mg/l
Fish (Freshwater)	Acute LC50, 96 hrs	1.9mg/l

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2-Methyl-2Hisothiazol-3-one

Daphnia	Acute EC50,48hrs	0.93 mg/l
Algae(Selenastrum capricornutum)	Chronic IC50, 72hrs	0.22 mg/l
Fish (Freshwater)	Acute LC50, 96 hrs	4.77mg/l

12.2. Persistence and degradability

Persistence and degradability

The surfactant(s) contained in this product complies (comply) with the biodegradability criteria as laid down in Regulation (EC) No. 648/2004 on detergents.

Ecological information on ingredients.

Quaternary ammonium compounds, benzyl-C12-14 (even numbered)-alkyldimethyl, chlorides

Persistence and degradability The product is readily biodegradable.

Alcohol ethoxylate with 6.5MEO

Persistence and degradability This surfactant complies with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents

Propan-2-ol

Persistence and degradability The product is readily biodegradable

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

Persistence and degradability The degradability of the product is not known

2-Methyl-2Hisothiazol-3-one

Persistence and degradability The degradability of the product is not known

12.3 Bioaccumulative potential

No data available on bioaccumulation.

Partition coefficient Not available

Ecological information on ingredients.

No bioaccumulation potential

Alcohol ethoxylate with 6.5MEO

Bioaccumulation is not expected

Propan-2-ol

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

LogP_{ow} 1.3

2-Methyl-2Hisothiazol-3-one

LogP_{ow}-0.32

12.4 Mobility in soil

The product is soluble in water

Ecological information on ingredients.

The product is mobile in water

Alcohol ethoxylate with 6.5MEO

The product is mobile in water

Propan-2-ol

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

No data available

2-Methyl-2Hisothiazol-3-one

No data available

12.5 Results of PBT and vPvB assessment

This product does not contain any substances classified as PBT or vPvB

12.6 Other adverse effects

None known

13. Disposal Considerations

13.1. Waste treatment methods

General information Harmful to aquatic life with long lasting effects

Disposal methods : Dispose of contents/container in accordance with national regulations

14. Transport Information

General The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, ADR/RID).

14.1. **UN number :** Not applicable.

14.2. **UN proper shipping name:** Not applicable.

14.3. **Transport hazard class(es):** No transport warning sign required.

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 :** Not applicable.

15. Regulatory Information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

National regulations

EH40/2005 Workplace exposure limits. The Chemical (Hazard Information and Packaging for Supply) Regulation 2009 (SI 2009 No. 716)

EU legislation

- Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (as amended).
- Regulation (EC) No. 1907/2006 of the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)
- 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.

16. Other Information

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Revision Comments Format and content change to conform Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (as amended)

Revision Date 2.6.2015

Revision 04

Risk Phrases In Full

R11 Highly flammable
R22 Harmful if swallowed
R23/25 Toxic by inhalation and if swallowed
R34 Causes burns
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
R67 Vapours may cause drowsiness and dizziness

Hazard Statements In Full

H225 Highly flammable liquid and vapour
H301 Toxic if swallowed
H302 Harmful if swallowed
H312 Harmful in contact with skin
H314 Causes severe 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
H331 Toxic if inhaled
H336 May cause drowsiness or dizziness
H400 Very toxic to aquatic life
H410 Very toxic to aquatic life with long lasting effects

Disclaimer

The information contained in this data sheet is, to the best of our knowledge and belief, accurate and is based upon our technical knowledge of the product and the date of issue. No warranty or representation, express or implied, is made as to its accuracy, reliability or completeness. MPM Consumer Products Ltd will not be responsible for any damage or injury resulting from any inherent hazard of the material, the abnormal use of the material or from failure to adhere to recommendation