

Dr Johnson's Antibacterial Cleanser

Safety Data Sheet

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

1.1 Product	Dr Johnson's Antibacterial Cleanser		
1.2 Use of the preparation	An Antibacterial Hard Surface Cleaner – Biocidal Product PT2		
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		

2. Hazards Identification

2.1 Classification of the substance or mixture

Physical Hazards:- Not Classified

Health Hazards:- Not Classified

Environmental Hazards- Chronic hazard, Category 3 - 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

Alkyl (C12-16) dimethylbenzyl ammonium chloride (ADBAC/BKC (C12-C16)) CAS: 68424-85-1	0.5 - <1%
CAS: 68424-85-1	
EC no: 939-350-2	

Classification

Acute Tox. Oral 4 - H302

Acute Tox. Dermal 4 - H312

Skin Corr. 1B - H314

Aquatic Acute 1 - H400

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Alcohol ethoxylate with 6.5MEO CAS no: 68439-46-3	0.5 - <1%
Classification Eye Dam. 1 - H318 Acute Tox. 4 - H302	
Propan-2-ol, isopropanol CAS no: 67-63-0 EC no: 200-661-7 REACH registration no: 01-2119457558-25-xxxx	1 – 5%
Classification Flam. Liq.2 – H225 Eye Irrit.2 –H319 STOT SE3 - H336	
1,2-benzisothiazol-3(2H)-one CAS no: 2634-33-5 EC no: 220-120-9	<0.025%
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	
2-Methyl-2Hisothiazol-3-one CAS no: 2682-20-4 EC no: 220-239-6	<0.025%
Classification Acute Tox. 3, H301 Acute Tox. 3, H311 Acute Tox. 3, H331 Skin Corr. 1C, H314 Skin Sens. 1, H317 Aquatic Acute 1, H400	
4. First Aid Measures	
4.1. Description of first aid measures Inhalation - Move the exposed person to fresh air at once. Get medical attention if any discomfort continues. Ingestion - Rinse mouth out with water, do not induce vomiting and seek medical attention immediately, showing the label. Skin contact - Remove contaminated clothing and wash the skin thoroughly with soap and water. Get medical attention if any discomfort continues. Eye contact - Promptly wash eyes with plenty of clean water while lifting the eye lids. Make sure to remove any contact lenses from the eyes. If there is any redness, pain or visual impairment, get medical attention.	

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4.2. Most important symptoms and effects, both acute and delayed – no data available

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

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

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: None

5.3. Advice for firefighters - No data available

6. Accidental Release Measures

6.1. Personal precautions, protective equipment and emergency procedures – see sections 7 and 8

6.2. Environmental precautions

Large Spillages - Do not discharge into drains or watercourses or onto the ground. Contain with inert absorbent materials

6.3. Methods and material for containment and cleaning up

Take care as floors and other surfaces may become slippery. Large spillages, absorb with inert absorbent material. Flush contaminated area with plenty of water. Wash thoroughly with detergent. Do not use solvents

6.4. Reference to other sections - See Section 11, 12 and 13

7. Handling and Storage

7.1. Precautions for safe handling

Read and follow manufacturer's recommendations on label.

Always wash hands after handling

Remove and wash contaminated clothing before re-use

Avoid skin and eye contact

No smoking, eating or drinking in area where mixture is used

7.2. Conditions for safe storage, including any incompatibilities

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

Keep away from food and drink

7.3. Specific end use(s) No data available

8. Exposure controls/ Personal Protection

8.1. Control parameters

Occupational exposure limits - No data available

Biological limits – No data available

8.2. Exposure controls - Provide adequate ventilation.

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Personal Protection

Use personal protection equipment that is clean and has been properly maintained. Store in a clean place away from the work area.
 Never eat, drink or smoke during use.
 Remove and wash contaminated clothing before re-use.

Eye/face protection - Avoid contact with face and eyes.

Hand protection

Avoid skin contact
 Wear suitable protective gloves that are resistant to chemical agents in accordance with standard EN374
 Protective gloves must be selected according to the application and duration of use at the work station.
 Type of glove recommended – Natural latex

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 - No information required

10. Stability and Reactivity

10.1. Reactivity - See the other subsections of this section for further details.

10.2. Chemical stability - Stable at normal ambient temperatures and when used as recommended.

10.3. Possibility of hazardous reactions – Avoid contact with other chemicals

10.4. Conditions to avoid - Keep away from direct heat and sunlight. Avoid contact with other chemicals

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10.5. Incompatible materials – Avoid contact with other chemicals

10.6. Hazardous decomposition products – None known

11. Toxicological Information

Mixture

Acute Oral Toxicity - Based on available data the classification criteria are not met.

Acute Dermal Toxicity - Based on available data the classification criteria are not met.

Acute Inhalation Toxicity - Based on available data the classification criteria are not met.

Skin corrosion/irritation - Based on available data the classification criteria are not met.

Serious eye damage/ irritation - Causes serious eye irritation

Respiratory sensitisation - Based on available data the classification criteria are not met.

Skin sensitisation - Based on available data the classification criteria are not met.

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 Fertility Toxicity - Based on available data the classification criteria are not met.

Reproductive Development Toxicity - Based on available data the classification criteria are not met.

Specific Target Organ Toxicity (single exposure)- Based on available data the classification criteria are not met.

Specific Target Organ Toxicity (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.

Alkyl (C12-16) dimethylbenzyl ammonium chloride (ADBAC/BKC (C12-C16))

Acute Oral Toxicity Rat (LD50 mg/kg) 240-400, Suppliers' Data - Harmful if swallowed.

Acute Dermal Toxicity Rat (D50 mg/kg) 800-1420 Suppliers Data - Based on available data the classification criteria are not met.

Alcohol ethoxylate with 6.5MEO

Acute Oral Toxicity Rat (LD50 mg/kg) >300<2000. Raw material suppliers' information. Harmful if swallowed.

Acute Dermal Toxicity Rat (LD50 mg/kg) >2000 Based on available data the classification criteria are not met

Propan-2-ol

Acute Oral Toxicity Rat (LD50 mg/kg) 5840. Based on available data the classification criteria not met

Acute Dermal Toxicity Rabbit (LD50 mg/kg) 13900. Based on available data the classification criteria are not met

Acute Inhalation Toxicity Rat (LC50 mg/l – 6hrs) >25

Serious eye damage/ irritation Causes eye irritation

STOT - Single exposure Inhalation - May cause drowsiness or dizziness.

STOT - Repeated exposure Oral & inhalation - 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. Based on available data the classification criteria are not met

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 Oral Toxicity Rat (LD50 mg/kg) >5000. Based on available data the classification criteria are not me

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

Acute Inhalation Toxicity Rat (LC50 g/m3- 4hrs) >5.0

Irritation/ Corrosion - Local Lymph Node Assay - Mouse

Respiratory - Cause severe irritation

Skin – Cause slight irritation

Eye – Cause irritation

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Skin Sensitisation - OECD – Guinea pig: Sensitising

12. Ecological Information

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

Ecological information on ingredients.

Alkyl (C12-16) dimethylbenzyl ammonium chloride (ADBAC/BKC (C12-C16))

Fish (LC50) 0.0.85 – 1.2 mg/l

Daphnia (EC50) 0.02mg/l

Alga (EC50) 0.06 mg/l

LE(C)₅₀ 0.01 < L(E)C50 ≤ 0.1

Chronic aquatic toxicity (NOEC) 0.001 < NOEC ≤ 0.01

Alcohol ethoxylate with 6.5MEO

Fish (LC50, 96hrs) 1 -10 mg/l

Propan-2-ol - Acute toxicity

Fish (Pimephales promelas LC50, 96hrs) 9640 mg/l

Daphnia (Daphnia magna LC50,24hrs) 9714 mg/l

Algae (Scenedesmus subspicatus EC50, 72hrs) > 100 mg/l

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

Daphnia (Daphnia 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

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 – No data available

Ecological information on ingredients.

Alkyl (C12-16) dimethylbenzyl ammonium chloride (ADBAC/BKC (C12-C16)) - readily biodegradable.

Alcohol ethoxylate with 6.5MEO – This surfactant complies with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents.

Propan-2-ol - The product is readily biodegradable

1,2-Benzisothiazol-3(2H)-one – Considered rapidly biodegradable in the environment

2-Methyl-2Hisothiazol-3-one - Not readily biodegradable

12.3 Bio Accumulative potential - No data available

Ecological information on ingredients.

Alkyl (C12-16) dimethylbenzyl ammonium chloride (ADBAC/BKC (C12-C16)) – Low: Product is surface active: Log Pow (ca. 0.5) may not be appropriate

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Alcohol ethoxylate with 6.5MEO - No bioaccumulation potential

Propan-2-ol - No data available

1,2-Benzisothiazol-3(2H)-one - LogP_{ow} 1.3

2-Methyl-2Hisothiazol-3-one - LogP_{ow}-0.32

12.4 Mobility in soil – No data available

Ecological information on ingredients.

Alkyl (C12-16) dimethylbenzyl ammonium chloride (ADBAC/BKC (C12-C16)) – Water soluble, readily binds to organic matter

Alcohol ethoxylate with 6.5MEO - Soluble in water

Propan-2-ol - No data available

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 - 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.

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16. Other Information

Revision Comments: Corrected Ingredient information and Hazard Statements from supplier data

Revision Date 18/02/2020

Revision 07

Hazard Statements In Full

H225 Highly flammable liquid and vapour

H301: Toxic if swallowed

H302: Harmful if swallowed

H312: Harmful in contact with skin

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

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

H411: Toxic to aquatic life with long lasting effects

H412: Harmful to aquatic life with long lasting effects

Disclaimer

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