Dr Johnson's Antiseptic Disinfectant
Safety Data Sheet

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

1.1 Product: Dr Johnson's Antiseptic Disinfectant -Original)
-Liquid product
-Product does not contain any nanomaterials
-PCS No: 99438

1.2 Use of the preparation: A Concentrate for the production of a General Purpose Antiseptic for the control of pathogenic microbes

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

Classification : Mixture

Physical Hazards:- Not Classified

Health Hazards:- Skin Irrit 2 – H315

Environmental Hazards- Aquatic Chronic 3 – H412

2.2 Label elements

Pictogram

Signal word WARNING

Hazard statements H315 Causes skin irritation
H412- Harmful to aquatic life with long lasting effects

Precautionary statements P102 Keep out of reach of children
P264 Wash exposed skin thoroughly after handling
P273 Avoid release to the environment.
P302 + P352. If on skin : Wash with plenty of soap and water
P332 + P313 - If skin irritation occurs: Get medical advice / attention.
P501 Dispose of contents/container in accordance with local requirements for domestic waste disposal

Detergent labelling Also contains: Disinfectant – Benzalkonium Chloride 1.2g per 100g, Preservative (DMDM Hydantoin), Perfume, Limonene

Supplementary precautionary statements

P280 Wear protective gloves/ protective clothing/ eye protection/ face protection

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 no:** 68424-85-1 **EC no:** 939-253-5 **M factor (Acute) = 10**	**1.0 - <5%**
CLP Classification Acute Tox. 4 - H302 Skin Corr. 1B - H314 Eye Dam. 1 - H318 Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410	

DMDM Hydantoin **CAS no:** 6440-58-0 **EC no:** 229-222-8	**< 0.25 %**
Classification under CLP: Skin Sens. 1 - H317 Carc. 1B -H350	

Pine Oil 85% Terpene Alcohols Standard **CAS no:** None **EC no:** 701-188-3/938-945-4	**<0.5%**
Classification Flam. Liq. 3- H226 Aspiration Tox. 1 - H304 Skin Irrit. 2 - H315 Skin Sen. 1 – H317 Eye Irrit. 2 - H319 Aquatic Chronic 2 - H411	

The full text for all 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 (CO2). Carbon monoxide (CO). Nitrous gases(NOx). 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.

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
Mixture does not contain any substances with declared occupational exposure limits

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
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:	Amber
Odour:	Characteristic.
Odour Threshold :	Not available.
pH:	6.4 – 8.4
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:	0.99-1.01 @ 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
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 hazard classes as defined in Regulation (EC) No 1272/2008
Information given is based on data of the components and of similar products
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
Causes skin irritation

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
May cause skin sensitisation or allergic reactions in sensitive individual.

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.

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.

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

Acute toxicity - oral
Acute toxicity oral (LD50 mg/kg) 344
Species Rat
Raw material suppliers' information**.** Hazardous calculated
Acute toxicity - dermal
Acute toxicity dermal (LD50 mg/kg) 3412
Species Rabbit
Raw material suppliers' information. Hazardous calculated.

Skin Corrosion/ irritation – Corrosive
Species Rabbit

Pine Oil 85% Terpene Alcohols Standard

Acute toxicity - oral
Acute toxicity oral (LD50 mg/kg) >2000
Species Rat

Acute toxicity – dermal
Acute toxicity oral (LD50 mg/kg) >2000
Species Rat

Acute toxicity – Inhalation
Acute toxicity inhalation (LD50 mg/l) 4 hr 4.76

DMDM Hydantoin

Acute toxicity Based on available data, the classification criteria are not met.
Estimated LD/LC50 values - Oral ATE > 2000 mg/kg (calculated)
- Dermal ATE > 5000 mg/kg (calculated)
Skin corrosion/irritation: Based on the available data the classification criteria for the hazard classes skin corrosive/skin irritating are not fulfilled.
Serious eye damage/irritation: Based on the available data the classification criteria for the hazard classes of eye damage/eye irritation are not fulfilled.
Sensitisation: May cause an allergic skin reaction.
Carcinogenicity: May cause cancer.

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.

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

Fish (Bluegill sunfish)	LC50	(96h)	0.515 mg/l
Daphnia	EC50	(48h)	0.016mg/l
Alga	ErC50	(72h)	0.049mg/l

Pine Oil 85% Terpene Alcohols Standard

Fish	LC50 (96Hr)	12 mg/l
Daphnia	EL50 (48Hr)	12mg/l
Algae	EC50 (72Hr)	68 mg/l

DMDM Hydantoin

Fish (Zebrafish)	CL50	> 82.3 mg/l (96 h)
Daphnia	CE50	29.1 mg/l (96 h)

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.

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

The product is readily biodegradable. Complies with biodegradability conditions, particularities and limits specified in Detergents Regulation (EC) 648/2004 & annexes.

Pine Oil 85% Terpene Alcohols Standard

Complete in 28 days. OECD 301E - Readily biodegradable material modified screening test. OECD 302 C - Inherent biodegradability modified MITI test (no 2)

DMDM Hydantoin

The components are rapidly degradable

12.3 Bioaccumulaive potential

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

No data available on bioaccumulation. **Partition coefficient** Not available
No bioaccumulation expected

Pine Oil 85% Terpene Alcohols Standard

No data available

DMDM Hydantoin

Bioaccumulative potential: Log Ko/w ≤2.9
Evaluation: Not worth-mentioning accumulating in organisms

12.4 Mobility in soil

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

Readily adsorbed into soil

Pine Oil 85% Terpene Alcohols Standard

Floats on water

DMDM Hydantoin

No relevant information available

12.5 Results of PBT and vPvB assessment
This product does not contain any substances classified as PBT or vPvB

12.6 Endocrine disrupting properties
None known

12.7 Other adverse effects
None known

13. Disposal Considerations

13.1. Waste treatment methods
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

- Commission Regulation (EU) 2020/878 of 18 June 2020 amending Annex II to Regulation (EC) No 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH).
- 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

Revision Comments Include PCS number, update hazards and toxicological data for ingredients
Revision Date 08/02/2023
Revision 09

Hazard Statements In Full

H226: Flammable liquid and vapour
H302 Harmful if swallowed
H304 May be fatal if swallowed and enters airways
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
H350 May cause cancer
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.

Disclaimer

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