

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

1.1. Product identifier

| | |
|-------------------------------|--|
| Product form | : Mixture |
| Trade name | : Surface Disinfectant Wipe Alcohol Free |
| Type of product | : Biocidal products (e.g. Disinfectants, pest control) |
| Product group | : End product |
| Other means of identification | : UFI: 2520-0057-K00H-5Q24 |

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

1.2.1. Relevant identified uses

| | |
|----------------------------------|-----------------------------|
| Main use category | : Professional use |
| Industrial/Professional use spec | : For professional use only |
| Function or use category | : Biocidal product |

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Manufacturer

Topdental (products) Ltd
Unit 1
Holmfield Industrial Estate
HX2 9TN Halifax, W. Yorks
United Kingdom
T +44 (0) 1535 652750
sales@topdental.co.uk, www.topdental.co.uk

1.4. Emergency telephone number

| Country/Area | Organisation/Company | Address | Emergency number | Comment |
|----------------|--|-----------------------------------|------------------|-----------------------------------|
| United Kingdom | National Poisons Information Service (Birmingham Centre) City Hospital | Dudley Road B18 7QH Birmingham | 0344 892 0111 | Only for healthcare professionals |

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Hazardous to the aquatic environment – Chronic Hazard, H412
Category 3
Full text of H- and EUH-statements: see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

| | |
|-------------------------|---|
| Signal word (CLP) | : - |
| Hazard statements (CLP) | : H412 - Harmful to aquatic life with long lasting effects. |

2.3. Other hazards

Contains no PBT and/or vPvB substances $\geq 0.1\%$ assessed in accordance with REACH Annex XIII

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The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or substance(s) are not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 %

Component

Substance(s) not included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605

BENZALKONIUM CHLORIDE (68424-85-1)

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

| Name | Product identifier | % | Classification according to Regulation (EC) No. 1272/2008 [CLP] |
|--|---|-------------|---|
| BENZALKONIUM CHLORIDE (Active substance (Biocide)) | CAS-No.: 68424-85-1 EC-No.: 939-253-5 | ≥ 0.1 – < 1 | Acute Tox. 4 (Oral), H302 (ATE=795 mg/kg bodyweight) STOT RE 2, H373 Aquatic Acute 1, H400 (M=10) |
| PROPAN-2-OL (Component) substance with national workplace exposure limit(s) (GB) | CAS-No.: 67-63-0 EC-No.: 200-661-7 EC Index-No.: 603-117-00-0 | < 0.1 | Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336 |

Full text of H- and EUH-statements: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

| | |
|---------------------------------------|---|
| First-aid measures after inhalation | : If you feel unwell, seek medical advice. |
| First-aid measures after skin contact | : If skin irritation occurs: Get medical advice/attention. |
| First-aid measures after eye contact | : In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. |
| First-aid measures after ingestion | : If swallowed, seek medical advice immediately and show this container or label. |

4.2. Most important symptoms and effects, both acute and delayed

| | |
|------------------------------------|--|
| Symptoms/effects | : Not expected to present a significant hazard under anticipated conditions of normal use. |
| Symptoms/effects after inhalation | : May cause respiratory irritation. |
| Symptoms/effects after eye contact | : May cause slight irritation. |

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

No additional information available

SECTION 5: Firefighting measures

5.1. Extinguishing media

| | |
|------------------------------|--|
| Suitable extinguishing media | : Use extinguishing agent suitable for surrounding fire. |
|------------------------------|--|

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according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

5.2. Special hazards arising from the substance or mixture

Fire hazard : No fire hazard.
Hazardous decomposition products in case of fire : Toxic fumes may be released.

5.3. Advice for firefighters

Protection during firefighting : Use self-contained breathing apparatus and chemically protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : Avoid contact with skin and eyes. Clean up any spills as soon as possible, using an absorbent material to collect it. For further information refer to section 8: "Exposure controls/personal protection".

6.1.1. For non-emergency personnel

Protective equipment : Wear recommended personal protective equipment.
Emergency procedures : Turn leaking containers leak-side up to prevent the escape of liquid.

6.1.2. For emergency responders

Protective equipment : Use personal protective equipment as required.
Emergency procedures : Cover spill with non combustible material, e.g.: sand/earth.

6.2. Environmental precautions

Do not allow to enter drains or water courses.

6.3. Methods and material for containment and cleaning up

For containment : Absorb and/or contain spill with inert material (sand, vermiculite or other appropriate material), then place in suitable container.
Methods for cleaning up : Clean contaminated surfaces with an excess of water.
Other information : Dispose of materials or solid residues at an authorized site.

6.4. Reference to other sections

No additional information available

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Avoid contact with eyes. Avoid inhalation of the product.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures : Does not require any specific or particular technical measures.
Storage conditions : Keep cool. Protect from sunlight.
Incompatible materials : Aluminium. Mild steel. Copper alloys.

7.3. Specific end use(s)

Disinfectant.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1 National occupational exposure and biological limit values

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BENZALKONIUM CHLORIDE (68424-85-1)

United Kingdom - Occupational Exposure Limits

| | |
|------------|-----------------------|
| Local name | Benzalkonium Chloride |
|------------|-----------------------|

PROPAN-2-OL (67-63-0)

United Kingdom - Occupational Exposure Limits

| | |
|---------------------|------------------------|
| WEL STEL (OEL STEL) | 1250 mg/m ³ |
| | 500 ppm |

8.1.2. Recommended monitoring procedures

No additional information available

8.1.3. Air contaminants formed

No additional information available

8.1.4. DNEL and PNEC

No additional information available

8.1.5. Control banding

No additional information available

8.2. Exposure controls

8.2.1. Appropriate engineering controls

No additional information available

8.2.2. Personal protection equipment

8.2.2.1. Eye and face protection

No additional information available

8.2.2.2. Skin protection

No additional information available

8.2.2.3. Respiratory protection

No additional information available

8.2.2.4. Thermal hazards

No additional information available

8.2.3. Environmental exposure controls

Environmental exposure controls:

Avoid release to the environment.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

| | |
|-----------------------|---------------------|
| Physical state | : Liquid |
| Colour | : Colourless. |
| Appearance | : Colorless liquid. |
| Odour | : Apple. |
| Odour threshold | : Not available |
| Melting point | : Not available |
| Freezing point | : Not available |
| Boiling point | : Not available |
| Flammability | : Not available |
| Lower explosion limit | : Not available |
| Upper explosion limit | : Not available |
| Flash point | : Not available |

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| | |
|---|------------------|
| Auto-ignition temperature | : Not available |
| Decomposition temperature | : Not available |
| pH | : 6 – 8 |
| pH solution concentration | : 100 % |
| Viscosity, kinematic | : Not available |
| Solubility | : Not available |
| Partition coefficient n-octanol/water (Log Kow) | : Not available |
| Vapour pressure | : Not available |
| Vapour pressure at 50°C | : Not available |
| Density | : Not available |
| Relative density | : 0.99 – 1.01 |
| Relative vapour density at 20°C | : Not available |
| Particle characteristics | : Not applicable |

9.2. Other information

9.2.1. Information with regard to physical hazard classes

No additional information available

9.2.2. Other safety characteristics

Relative evaporation rate (ether=1) : >

SECTION 10: Stability and reactivity

10.1. Reactivity

No additional information available

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

None under normal use.

10.4. Conditions to avoid

No additional information available

10.5. Incompatible materials

No additional information available

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

| | |
|-----------------------------|------------------|
| Acute toxicity (oral) | : Not classified |
| Acute toxicity (dermal) | : Not classified |
| Acute toxicity (inhalation) | : Not classified |

| BENZALKONIUM CHLORIDE (68424-85-1) | |
|------------------------------------|---|
| LD50 oral rat | 795 mg/kg |
| LD50 dermal rabbit | 3412.5 mg/kg bodyweight Animal: rabbit, Guideline: EPA OPPTS 870.1200 (Acute Dermal Toxicity) |
| PROPAN-2-OL (67-63-0) | |
| LD50 oral rat | 5840 mg/kg |

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| PROPAN-2-OL (67-63-0) | |
|-----------------------|-------------------------------|
| LC50 Inhalation - Rat | 37.5 mg/l 4h, male and female |

Skin corrosion/irritation : Not classified
pH: 6 – 8

| BENZALKONIUM CHLORIDE (68424-85-1) | |
|------------------------------------|-------|
| pH | 6 – 9 |

| PROPAN-2-OL (67-63-0) | |
|-----------------------|-----------|
| pH | 7 Neutral |

Serious eye damage/irritation : Not classified
pH: 6 – 8

| BENZALKONIUM CHLORIDE (68424-85-1) | |
|------------------------------------|-------|
| pH | 6 – 9 |

| PROPAN-2-OL (67-63-0) | |
|-----------------------|-----------|
| pH | 7 Neutral |

Respiratory or skin sensitisation : Not classified
Germ cell mutagenicity : Not classified
Carcinogenicity : Not classified
Reproductive toxicity : Not classified
STOT-single exposure : Not classified

| PROPAN-2-OL (67-63-0) | |
|-----------------------|------------------------------------|
| STOT-single exposure | May cause drowsiness or dizziness. |

STOT-repeated exposure : Not classified

| BENZALKONIUM CHLORIDE (68424-85-1) | |
|--|--|
| NOAEL (subchronic, oral, animal/male, 90 days) | 50 mg/kg bodyweight Animal: dog, Animal sex: male, Guideline: OECD Guideline 409 (Repeated Dose 90-Day Oral Toxicity Study in Non-Rodents) |
| NOAEL (subchronic, oral, animal/female, 90 days) | 45 mg/kg bodyweight Animal: dog, Animal sex: female, Guideline: OECD Guideline 409 (Repeated Dose 90-Day Oral Toxicity Study in Non-Rodents) |
| STOT-repeated exposure | May cause damage to organs through prolonged or repeated exposure. |

Aspiration hazard : Not classified

| BENZALKONIUM CHLORIDE (68424-85-1) | |
|------------------------------------|----------------------|
| Viscosity, kinematic | 52 – 74 mm²/s At 40C |

11.2. Information on other hazards

No additional information available

SECTION 12: Ecological information

12.1. Toxicity

Hazardous to the aquatic environment, short-term (acute) : Not classified
Hazardous to the aquatic environment, long-term (chronic) : Harmful to aquatic life with long lasting effects.

| BENZALKONIUM CHLORIDE (68424-85-1) | |
|------------------------------------|--|
| LC50 - Fish [1] | 0.515 mg/l Test organisms (species): Lepomis macrochirus |
| LC50 - Fish [2] | 0.85 mg/l rainbow trout |

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BENZALKONIUM CHLORIDE (68424-85-1)

| | |
|----------------------|---|
| EC50 - Crustacea [1] | 0.016 mg/l Test organisms (species): Daphnia magna |
| EC50 72h - Algae [1] | 0.02 mg/l |
| EC50 96h - Algae [2] | 0.03 mg/l Test organisms (species): Raphidocelis subcapitata (previous names: Pseudokirchneriella subcapitata, Selenastrum capricornutum) |

PROPAN-2-OL (67-63-0)

| | |
|----------------------|---------------------------|
| LC50 - Fish [1] | 9640 mg/l fathered minnow |
| EC50 - Crustacea [1] | 13299 mg/l Daphnia magna |

12.2. Persistence and degradability

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| | |
|-------------------------------|-------------------------------------|
| Persistence and degradability | Rapidly degradable |
| Chemical oxygen demand (COD) | > – < g O ₂ /g substance |

BENZALKONIUM CHLORIDE

| | |
|------------------------------|------------------------------------|
| Chemical oxygen demand (COD) | 1130 g O ₂ /g substance |
| Biodegradation | 90 % |

PROPAN-2-OL (67-63-0)

| | |
|-------------------------------|------------------------|
| Persistence and degradability | Not rapidly degradable |
|-------------------------------|------------------------|

12.3. Bioaccumulative potential

BENZALKONIUM CHLORIDE (68424-85-1)

| | |
|---|------|
| BCF - Fish [1] | 79 |
| Partition coefficient n-octanol/water (Log Kow) | 2.88 |

12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Endocrine disrupting properties

No additional information available

12.7. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

| | |
|--|---|
| Regional waste regulation | : Disposal must be done according to official regulations. Do not discharge into drains or rivers. |
| Waste treatment methods | : Dispose of contents/container in accordance with licensed collector's sorting instructions and in accordance to local and regional legislation. |
| Sewage disposal recommendations | : Disposal must be done according to official regulations. |
| Product/Packaging disposal recommendations | : Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation. |
| Ecological information | : Do not discharge into drains or rivers. |

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SECTION 14: Transport information

In accordance with ADR / IMDG / IATA / ADN / RID

| ADR | IMDG | IATA | ADN | RID |
|---|---------------|---------------|---------------|---------------|
| 14.1. UN number or ID number | | | | |
| Not regulated for transport | | | | |
| 14.2. UN proper shipping name | | | | |
| Not regulated | Not regulated | Not regulated | Not regulated | Not regulated |
| 14.3. Transport hazard class(es) | | | | |
| Not regulated | Not regulated | Not regulated | Not regulated | Not regulated |
| 14.4. Packing group | | | | |
| Not regulated | Not regulated | Not regulated | Not regulated | Not regulated |
| 14.5. Environmental hazards | | | | |
| Not regulated | Not regulated | Not regulated | Not regulated | Not regulated |
| No supplementary information available | | | | |

14.6. Special precautions for user

Overland transport

Not regulated

Transport by sea

Not regulated

Air transport

Not regulated

Inland waterway transport

Not regulated

Rail transport

Not regulated

14.7. Maritime transport in bulk according to IMO instruments

Not applicable

SECTION 15: Regulatory information

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

15.1.1. EU-Regulations

REACH Annex XVII (Restriction List)

Contains no substance(s) listed on REACH Annex XVII (Restriction Conditions)

REACH Annex XIV (Authorisation List)

Contains no substance(s) listed on REACH Annex XIV (Authorisation List)

REACH Candidate List (SVHC)

Contains no substance(s) listed on the REACH Candidate List

PIC Regulation (Prior Informed Consent)

Contains no substance(s) listed on the PIC list (Regulation EU 649/2012 concerning the export and import of hazardous chemicals)

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POP Regulation (Persistent Organic Pollutants)

Contains no substance(s) listed on the POP list (Regulation EU 2019/1021 on persistent organic pollutants)

Ozone Regulation (1005/2009)

Contains no substance(s) listed on the Ozone Depletion list (Regulation EU 1005/2009 on substances that deplete the ozone layer)

Dual-Use Regulation (428/2009)

Contains no substance subject to the COUNCIL REGULATION (EC) No 428/2009 of 5 May 2009 setting up a Community regime for the control of exports, transfer, brokering and transit of dual-use items.

Explosives Precursors Regulation (2019/1148)

Contains no substance(s) listed on the Explosives Precursors list (Regulation EU 2019/1148 on the marketing and use of explosives precursors)

Drug Precursors Regulation (273/2004)

Contains no substance(s) listed on the Drug Precursors list (Regulation EC 273/2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances)

15.1.2. National regulations

No additional information available

15.2. Chemical safety assessment

No additional information available

SECTION 16: Other information

Full text of H- and EUH-statements:

| | |
|---------------------|--|
| Acute Tox. 4 (Oral) | Acute toxicity (oral), Category 4 |
| Aquatic Acute 1 | Hazardous to the aquatic environment – Acute Hazard, Category 1 |
| Eye Irrit. 2 | Serious eye damage/eye irritation, Category 2 |
| Flam. Liq. 2 | Flammable liquids, Category 2 |
| H225 | Highly flammable liquid and vapour. |
| H302 | Harmful if swallowed. |
| H319 | Causes serious eye irritation. |
| H336 | May cause drowsiness or dizziness. |
| H373 | May cause damage to organs through prolonged or repeated exposure. |
| H400 | Very toxic to aquatic life. |
| H412 | Harmful to aquatic life with long lasting effects. |
| STOT RE 2 | Specific target organ toxicity – Repeated exposure, Category 2 |
| STOT SE 3 | Specific target organ toxicity – Single exposure, Category 3, Narcosis |

The classification complies with : ATP 12

Safety Data Sheet (SDS), EU

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.