



SAFETY DATA SHEET

according to Regulation (EU) 2015/830

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DP20 Citrus Muscle Ready to Use Germicidal Detergent

Revision 13

Revision date 2020-06-02

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

1.1. Product identifier

| | |
|--------------|--|
| Product name | DP20 Citrus Muscle Ready to Use Germicidal Detergent |
| Product code | QAFS006 |

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

| | |
|-------------|---|
| Product Use | [SU22] Professional uses: Public domain (administration, education, entertainment, services, craftsmen); |
| Description | A fast acting, ready to use, deodorising disinfectant, specially formulated for the routine cleaning and disinfecting of public toilets, portable toilet compartments or anywhere that a highly effective disinfectant with a lingering residual odour is required. |

1.3. Details of the supplier of the safety data sheet

| | |
|---------------------------------------|---|
| Company | Superfine Manufacturing Ltd |
| Address | Orchardbank Industrial Estate Forfar Angus Scotland DD8 1TD |
| Web | www.superfine.co.uk |
| Telephone | Tel: 01307 463538 |
| Fax | Fax: 01307 468505 |
| Email | nigel@superfine.co.uk |
| Email address of the competent person | nigel@superfine.co.uk |

1.4. Emergency telephone number

| | |
|----------------------------|--|
| Emergency telephone number | 01307 463538 8.30am to 17.00pm National Poisons Information Service: For medical advice or information you should contact your GP or NHS 111 (or NHS 24 in Scotland) on 111 (for 24 hour health advice) If you are a healthcare professional with an enquiry please visit www.TOXBASE.org |
|----------------------------|--|

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

| | |
|--------------------------------------|--------------------------|
| 2.1.2. Classification - EC 1272/2008 | Aquatic Chronic 3: H412; |
|--------------------------------------|--------------------------|

2.2. Label elements

| | |
|-----------------------------------|---|
| Hazard Statement | Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects. |
| Precautionary Statement: Response | P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. |

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2.2. Label elements

| | |
|--|--|
| SUPPLEMENTAL HAZARD INFORMATION | P337+P313 - If eye irritation persists: Get medical advice/attention. |
| | Ingredients as required by Regulation (EC) No 648/2004: Less than 5% Cationic Surfactants, Less than 5% Non-ionic Surfactants, 0.25% w/w Benzalkonium Chloride, EDTA and salts thereof, Parfum. |

2.3. Other hazards

| | |
|----------------------|---|
| Other hazards | This mixture is not classified as PBT or vPvB according to current EU criteria. |
|----------------------|---|

SECTION 3: Composition/information on ingredients

3.2. Mixtures

EC 1272/2008

| Chemical Name | Index No. | CAS No. | EC No. | REACH Registration Number | Conc. (%w/w) | Classification |
|---|--------------|------------|-----------|---------------------------|--------------|---|
| Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides | | 68424-85-1 | 939-350-2 | 01-2119970550-39 | 0 - 0.5% | Acute Tox. 4: H302; Skin Corr. 1B: H314; Aquatic Acute 1: H400; Aquatic Chronic 1: H410; |
| 4-Isopropylidene-1-methylcyclohexene | | 586-62-9 | 209-578-0 | | 0 - 0.5% | Flam. Liq. 3: H226; Asp. Tox. 1: H304; Skin Sens. 1: H317; Aquatic Chronic 1: H410; |
| D-Limonene | 601-029-00-7 | 5989-27-5 | 227-813-5 | | 0 - 0.5% | Flam. Liq. 3: H226; Asp. Tox. 1: H304; Skin Irrit. 2: H315; Skin Sens. 1: H317; Aquatic Acute 1: H400; Aquatic Chronic 1: H410; |
| Octanal | | 124-13-0 | 204-683-8 | 01-2119638274-38 | 0 - 0.5% | Flam. Liq. 3: H226; Skin Irrit. 2: H315; Eye Irrit. 2: H319; Aquatic Chronic 2: H411; |
| 1-Isopropyl-4-methylbenzene | | 99-87-6 | 202-796-7 | | 0 - 0.5% | Flam. Liq. 3: H226; Asp. Tox. 1: H304; Repr. 2: H361; Aquatic Chronic 2: H411; |
| 2,6,6-Trimethylbicyclo[3.1.1]hept-2-ene (Alpha-Pinene) | | 80-56-8 | 201-291-9 | | 0 - 0.5% | Flam. Liq. 3: H226; Asp. Tox. 1: H304; Skin Irrit. 2: H315; Skin Sens. 1: H317; Aquatic Acute 1: H400; Aquatic Chronic 1: H410; |
| 1,3,3-trimethyl-2-oxabicyclo[2.2.2]octane | | 470-82-6 | 207-431-5 | | 0 - 0.5% | Flam. Liq. 3: H226; Skin Sens. 1: H317; |
| propan-2-ol | 603-117-00-0 | 67-63-0 | 200-661-7 | 01-2119457558-25 | 0 - 0.5% | Flam. Liq. 2: H225; Eye Irrit. 2: H319; STOT SE 3: H336; |
| Ethanol: Ethyl Alcohol (Ethanol) | | 64-17-5 | 200-578-6 | 01-2119457610-43 | 0 - 0.5% | Flam. Liq. 2: H225; Eye Irrit. 2: H319; |
| sodium hydroxide | 011-002-00-6 | 1310-73-2 | 215-185-5 | 01-2119457892-27 | 0 - 0.5% | Skin Corr. 1A: H314; |
| 2,2, Dimethyl-3-Methylene Bicyclo (2,2,1) Heptane | | 79-92-5 | 201-234-8 | 01-2119446293-40 | 0 - 0.5% | Flam. Sol. 2: H228; Eye Irrit. 2: H319; Aquatic Chronic 1: H410; |
| Hexyl Acetate | | 142-92-7 | 205-572-7 | | 0 - 0.5% | Flam. Liq. 3: H226; |
| 7-methyl-3-methyleneocta-1,6-diene | | 123-35-3 | 204-622-5 | | 0 - 0.5% | Flam. Liq. 3: H226; Asp. Tox. 1: H304; Skin Irrit. 2: H315; Eye Irrit. 2: H319; |
| 6,6-Dimethyl-2-methylenebicyclo[3.1.1]heptane | | 127-91-3 | 204-872-5 | | 0 - 0.5% | Flam. Liq. 3: H226; Asp. Tox. 1: H304; Skin Irrit. 2: H315; Skin Sens. 1: H317; Aquatic Chronic 1: H410; |

Further information

| | |
|---------------------------|--|
| Product Shelf Life | RECOMMENDED SHELF LIFE 1 YEAR FROM DATE OF DELIVERY. |
|---------------------------|--|

SECTION 4: First aid measures

4.1. Description of first aid measures

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|--------------------|---|
| Inhalation | Move the exposed person to fresh air. |
| Eye contact | Rinse immediately with plenty of water. Contact lenses should be removed. |

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4.1. Description of first aid measures

| | |
|--------------|---|
| Skin contact | Remove contaminated clothing. Wash with water and soap as a precaution. |
| Ingestion | DO NOT INDUCE VOMITING. Rinse mouth thoroughly. |

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

| | |
|--------------|---|
| Inhalation | May cause irritation to respiratory system. |
| Eye contact | May cause irritation to eyes. |
| Skin contact | May cause skin dryness and irritation. |
| Ingestion | May cause irritation to mucous membranes. |

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

| | |
|--------------|---|
| Inhalation | TREAT SYMPTOMATICALLY. |
| | Move the exposed person to fresh air. Seek medical attention if irritation or symptoms persist. |
| Eye contact | Contact lenses should be removed. Rinse immediately with plenty of water. Seek medical attention if irritation or symptoms persist. |
| Skin contact | Seek medical attention if irritation or symptoms persist. |
| Ingestion | Drink 1 to 2 glasses of water. Seek medical attention if irritation or symptoms persist. |

General information

| | |
|--|---|
| | If you feel unwell, seek medical advice (show the label where possible). Treat symptomatically. |
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SECTION 5: Firefighting measures

5.1. Extinguishing media

| | |
|--|---|
| | This product is not flammable . Use fire-extinguishing media appropriate for surrounding materials. |
|--|---|

5.2. Special hazards arising from the substance or mixture

| | |
|--|---|
| | Burning produces irritating, toxic and obnoxious fumes. |
|--|---|

5.3. Advice for firefighters

| | |
|--|---|
| | Wear suitable respiratory equipment when necessary. |
|--|---|

Further information

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|--|---|
| | In the event of a fire and/or explosion do not breath fumes. Standard procedure for chemical fires. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. |
|--|---|

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

| | |
|--|-------------------------------------|
| | Wear suitable protective equipment. |
|--|-------------------------------------|

6.2. Environmental precautions

| | |
|--|---|
| | Advise local authorities if large spills cannot be contained. |
|--|---|

6.3. Methods and material for containment and cleaning up

| | |
|--|--|
| | For large spills: Absorb with inert, absorbent material. Sweep up. Transfer to suitable, labelled containers for disposal. Clean spillage area thoroughly with plenty of water. For small spills: Flush down the drain with plenty of water. |
|--|--|

6.4. Reference to other sections

| | |
|--|--|
| | See section 2, 7, 8, 13 for further information. |
|--|--|

SECTION 7: Handling and storage

7.1. Precautions for safe handling

| | |
|--|---|
| | Adopt best Manual Handling considerations when handling, carrying and dispensing. |
|--|---|

7.2. Conditions for safe storage, including any incompatibilities

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7.2. Conditions for safe storage, including any incompatibilities

Store in a cool, dry area. Keep container tightly closed. Keep out of the reach of children. Store in original container.

7.3. Specific end use(s)

No data is available on this product.

Suitable packaging

Plastic containers.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational exposure controls.

DNEL: Derived no-effect level.

Exposure Pattern - Workers

| | | |
|---|---|------------------------|
| Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides | Long-term - inhalation - Systemic effects | 3.96 mg/m ³ |
| | Long-term - dermal - Systemic effects | 5.7 mg/kg |

Exposure Pattern - General population

| | | |
|---|---|-------------|
| Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides | Long-term - inhalation - Systemic effects | 1.64 bw/day |
| | Long-term - dermal - Systemic effects | 3.4 mg/kg |

8.2. Exposure controls



Adopt best Manual Handling considerations when handling, carrying and dispensing. Avoid contact with skin and eyes. Handle in accordance with good industrial hygiene and safety practice. Use appropriate personal protective equipment. Wear suitable protective clothing and eye/face protection.

8.2.1. Appropriate engineering controls

Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapours below their respective threshold limit value. Ensure eyewash stations and safety showers are close to the workstation location.

Eye / face protection

Avoid contact with eyes. If splashes are likely to occur, wear: safety glasses with side-shields.

Skin protection - Handprotection

Rubber gloves.

Respiratory protection

No personal respiratory protective equipment normally required. In case of insufficient ventilation wear suitable respiratory equipment.

8.2.3. Environmental exposure controls

Prevent further leakage or spillage if safe to do so.

SECTION 9: Physical and chemical properties

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9.1. Information on basic physical and chemical properties

| | |
|----------------------------------|---------------------------------------|
| Appearance | Liquid/Liquid impregnated on to wipes |
| Colour | Clear |
| Odour | Pine/Citrus |
| Odour threshold | No data available |
| pH | 7 - 8.8 |
| Melting point | No data available |
| Initial boiling point | No data available |
| Flash point | No data available |
| Evaporation rate | No data available |
| Flammability (solid, gas) | No data available |
| Vapour pressure | No data available |
| Vapour density | No data available |
| Relative density | No data available |
| Water solubility | No data available |
| Partition coefficient | No data available |
| Autoignition temperature | No data available |
| Viscosity | < 50 centipoise |
| Explosive properties | No data available |
| Oxidising properties | No data available |
| Solubility | Soluble in water |

9.2. Other information

| | |
|---|--------------------------------|
| Conductivity | No data available |
| Surface tension | No data available |
| Specific gravity | 0.99 - 1.004 g/cm ³ |
| Gas group | No data available |
| Benzene Content | Not applicable. |
| Lead content | Not applicable. |
| VOC (Volatile organic compounds) | Not applicable. |

SECTION 10: Stability and reactivity

10.1. Reactivity

Stable under normal conditions. No specific reactivity hazards associated with this product.

10.2. Chemical stability

Stable under normal conditions. No particular stability concerns.

10.3. Possibility of hazardous reactions

Strong acids. Strong oxidising agents.

10.4. Conditions to avoid

Protect from frost.

10.5. Incompatible materials

No incompatible groups noted.

10.6. Hazardous decomposition products

No Hazardous decomposition products when stored and handled correctly. Burning produces irritating, toxic and obnoxious fumes.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

This mixture has not been tested as a whole for health effects. The health effects have been

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11.1. Information on toxicological effects

| | |
|-----------------------------------|--|
| Acute toxicity | calculated using the methods outlined in Regulation (EC) No 1272/2008 (CLP). |
| Skin corrosion/irritation | 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 or skin sensitisation | based on available data the classification criteria are not met. |
| Germ cell mutagenicity | based on available data the classification criteria are not met. |
| Carcinogenicity | based on available data the classification criteria are not met. |
| Reproductive toxicity | based on available data the classification criteria are not met. |
| STOT-single exposure | based on available data the classification criteria are not met. |
| 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. |

11.1.2. Mixtures

| | |
|--|--------------------|
| | No data available. |
|--|--------------------|

11.1.3. Hazard Information

| | |
|--|--------------------|
| | No data available. |
|--|--------------------|

11.1.4. Toxicological Information

| | | |
|---|---------------------------|--------------------------------|
| Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides | Oral Rat LD50: 397.5mg/kg | Dermal Rabbit LD50: 3412 mg/kg |
|---|---------------------------|--------------------------------|

SECTION 12: Ecological information

12.1. Toxicity

| | | |
|---|--|-------------|
| Ethanol: Ethyl Alcohol | NOEC / EC10 for marine or freshwater organisms | 9.6000 mg/l |
| Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides | Daphnia EC50/48h: | 0.0160 mg/l |
| | Fish LC50/96h: | 0.5150 mg/l |

12.2. Persistence and degradability

| | |
|--|--|
| | Substance biodegrades at a moderate rate and inherently biodegradable according to the OECD guide lines. |
|--|--|

12.3. Bioaccumulative potential

| | |
|--|---------------------------------------|
| | No data is available on this product. |
|--|---------------------------------------|

Partition coefficient

| | | |
|--|--|-------------------|
| | DP20 Citrus Muscle Ready to Use Germicidal Detergent | No data available |
|--|--|-------------------|

12.4. Mobility in soil

| | |
|--|---------------------------------------|
| | No data is available on this product. |
|--|---------------------------------------|

12.5. Results of PBT and vPvB assessment

| | |
|--|---------------------------------------|
| | No data is available on this product. |
|--|---------------------------------------|

12.6. Other adverse effects

| | |
|--|--------------------|
| | No data available. |
|--|--------------------|

SECTION 13: Disposal considerations

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13.1. Waste treatment methods

| | |
|--|--|
| | Dispose of waste and residues in accordance with local authority requirements. |
|--|--|

General information

| | |
|--|--|
| | Dispose of in compliance with all local and national requirements. |
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Disposal of packaging

| | |
|--|---|
| | Do NOT reuse empty containers. Empty containers can be sent to landfill after cleaning, if in compliance with local and national regulations. |
|--|---|

SECTION 14: Transport information

14.1. UN number

| | |
|--|--|
| | The product is not classified as dangerous for carriage. |
|--|--|

14.2. UN proper shipping name

| | |
|--|--|
| | The product is not classified as dangerous for carriage. |
|--|--|

14.3. Transport hazard class(es)

| | |
|--|--|
| | The product is not classified as dangerous for carriage. |
|--|--|

14.4. Packing group

| | |
|--|--|
| | The product is not classified as dangerous for carriage. |
|--|--|

14.5. Environmental hazards

| | |
|--|--|
| | The product is not classified as dangerous for carriage. |
|--|--|

14.6. Special precautions for user

| | |
|--|--|
| | The product is not classified as dangerous for carriage. |
|--|--|

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

| | |
|--|--|
| | The product is not classified as dangerous for carriage. |
|--|--|

SECTION 15: Regulatory information

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

| | |
|--------------------|--|
| Regulations | <p>REGULATION (EC) No 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC.</p> <p>COMMISSION REGULATION (EU) No 453/2010 of 20 May 2010 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC.</p> |
|--------------------|--|

15.2. Chemical safety assessment

| | |
|--|---------------------------|
| | No information available. |
|--|---------------------------|

SECTION 16: Other information

Other information

| | |
|-----------------|---|
| Revision | <p>This document differs from the previous version in the following areas:.</p> <ul style="list-style-type: none"> 2 - 2.1.2. Classification - EC 1272/2008. 2 - Precautionary Statement: Prevention. 2 - Precautionary Statement: Disposal. 2 - SUPPLEMENTAL HAZARD INFORMATION. |
|-----------------|---|

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Other information

| | |
|---|--|
| | <p>2 - 2.1.2. Classification - EC 1272/2008. 3 - Active Ingredients. 12 - 12.1. Toxicity. 16 - Data sources.</p> |
| Data sources | <p>Classification and Procedure used to derive the classification for mixtures according to Regulation (EC) No. 1272/2008:. Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects. - Calculation Method.</p> |
| Text of Hazard Statements in Section 3 | <p>Acute Tox. 4: H302 - Harmful if swallowed. Skin Corr. 1B: H314 - Causes severe skin burns and eye damage. Aquatic Acute 1: H400 - Very toxic to aquatic life. Aquatic Chronic 1: H410 - Very toxic to aquatic life with long lasting effects. Flam. Liq. 3: H226 - Flammable liquid and vapour. Asp. Tox. 1: H304 - May be fatal if swallowed and enters airways. Skin Sens. 1: H317 - May cause an allergic skin reaction. Skin Irrit. 2: H315 - Causes skin irritation. Eye Irrit. 2: H319 - Causes serious eye irritation. Aquatic Chronic 2: H411 - Toxic to aquatic life with long lasting effects. Repr. 2: H361 - Suspected of damaging fertility or the unborn child . Flam. Liq. 2: H225 - Highly flammable liquid and vapour. STOT SE 3: H336 - May cause drowsiness or dizziness. Met. Corr. 1: H290 - May be corrosive to metals. Skin Corr. 1A: H314 - Causes severe skin burns and eye damage. Flam. Sol. 2: H228 - Flammable solid.</p> |

Further information

| | |
|--|---|
| | <p>The information supplied in this Safety Data Sheet is designed only as guidance for the safe use, storage and handling of the product. This information is correct to the best of our knowledge and belief at the date of publication however no guarantee is made to its accuracy. This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any other process.</p> |
|--|---|