



## SAFETY DATA SHEET

according to Regulation (EU) 2015/830

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### DP20 Citrus Muscle Ready to Use Germicidal Detergent

Revision 14

Revision date 2021-02-23

#### 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); ----- [SU21] Consumer uses: Private households (= general public = consumers); [PC35] Washing and cleaning products (including solvent based products);
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  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 <a href="http://www.TOXBASE.org">www.TOXBASE.org</a>
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#### SECTION 2: Hazards identification

##### 2.1. Classification of the substance or mixture

2.1.2. Classification - EC 1272/2008	Aquatic Chronic 3: H412;
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##### 2.2. Label elements

Hazard Statement	Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.
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## 2.2. Label elements

<b>Precautionary Statement: Prevention</b>	P102 - Keep out of reach of children.
<b>Precautionary Statement: Response</b>	P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337+P313 - If eye irritation persists: Get medical advice/attention.
<b>SUPPLEMENTAL HAZARD INFORMATION</b>	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

<b>Other hazards</b>	This mixture is not classified as PBT or vPvB according to current EU criteria.
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## 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;
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;

Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides (CAS No. 68424-85-1) - M Factor (Acute) = 10, M Factor (Chronic) = 1.  
 4-Isopropylidene-1-methylcyclohexene (CAS No. 586-62-9) - M Factor (Acute/Chronic) = 1.  
 D-Limonene (CAS No. 5989-27-5) - M Factor (Acute/Chronic) = 1.  
 2,6,6-Trimethylbicyclo[3.1.1]hept-2-ene (Alpha-Pinene) (CAS No. 80-56-8) - M Factor (Acute/Chronic) = 1.

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## 3.2. Mixtures

	2,2, Dimethyl-3-Methylene Bicyclo(2,2,1) Heptane (CAS No. 79-92-5) - M Factor (Acute/Chronic) = 1.
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### Further information

Product Shelf Life	RECOMMENDED SHELF LIFE 1 YEAR FROM DATE OF DELIVERY.
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## SECTION 4: First aid measures

### 4.1. Description of first aid measures

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

	TREAT SYMPTOMATICALLY.
Inhalation	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.
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### 5.2. Special hazards arising from the substance or mixture

	Burning produces irritating, toxic and obnoxious fumes.
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### 5.3. Advice for firefighters

	Wear suitable respiratory equipment when necessary.
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### Further information

	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.
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## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

	Wear suitable protective equipment.
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### 6.2. Environmental precautions

	Advise local authorities if large spills cannot be contained.
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### 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
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## 6.3. Methods and material for containment and cleaning up

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

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 <sup>3</sup>
	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.

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## 8.2. Exposure controls

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

### 9.1. Information on basic physical and chemical properties

Appearance	Liquid/Liquid impregnated on to wipes
Colour	Clear
Odour	Pine/Citrus
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
Odour threshold	No data available
pH	7 - 8.8
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 <sup>3</sup>
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.
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### 10.2. Chemical stability

	Stable under normal conditions. No particular stability concerns.
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### 10.3. Possibility of hazardous reactions

	Strong acids. Strong oxidising agents.
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### 10.4. Conditions to avoid

	Protect from frost.
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## 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

Acute toxicity	This mixture has not been tested as a whole for health effects. The health effects have been calculated using the methods outlined in Regulation (EC) No 1272/2008 (CLP).
	based on available data the classification criteria are not met. Oral ATE = >10,000 mg/kg. Inhalation - Dust/Mist ATE = >10,000 mg/l.
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
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## SECTION 12: Ecological information

### 12.1. Toxicity

Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides	Daphnia EC50/48h: 0.0160 mg/l	Fish LC50/96h: 0.5150 mg/l
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### 12.2. Persistence and degradability

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

### 12.3. Bioaccumulative potential

The product is not bioaccumulating.

### Partition coefficient

DP20 Citrus Muscle Ready to Use Germicidal Detergent No data available

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## 12.4. Mobility in soil

This product is soluble in water.

## 12.5. Results of PBT and vPvB assessment

This mixture is not classified as PBT or vPvB according to current EU criteria.

## 12.6. Other adverse effects

No data available.

## SECTION 13: Disposal considerations

### 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.

### 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

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.

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.

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## 15.2. Chemical safety assessment

No information available.
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## SECTION 16: Other information

### Other information

<b>Revision</b>	This document differs from the previous version in the following areas:. 1 - Product Use. 2 - Precautionary Statement: Prevention. 3 - 3.2. Mixtures. 11 - Acute toxicity. 12 - 12.4. Mobility in soil. 12 - 12.3. Bioaccumulative potential. 12 - 12.5. Results of PBT and vPvB assessment.
<b>Data sources</b>	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.
<b>Text of Hazard Statements in Section 3</b>	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.

### Further information

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.
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