



## SAFETY DATA SHEET according to Regulation (EU) 2015/830

Page 1/9

### DP20 GERMICIDAL DETERGENT (UNFRAGRANCED)

Revision 27

Revision date 2017-07-28

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

##### 1.1. Product identifier

Product name	DP20 GERMICIDAL DETERGENT (UNFRAGRANCED)
Product code	QAFS253

##### 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	No data is available on this product.

##### 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
----------------------------	-----------------------------------

#### SECTION 2: Hazards identification

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

2.1.1. Classification - 1999/45/EC	Xi; R38-41 N; R50 Symbols: Xi: Irritant. N: Dangerous for the environment.
Main hazards	Irritating to skin. Risk of serious damage to eyes. Very toxic to aquatic organisms.
2.1.2. Classification - EC 1272/2008	Skin Corr. 1B: H314; Aquatic Chronic 2: H411;

##### 2.2. Label elements

Hazard pictograms	 
Signal Word	Danger
Hazard Statement	Skin Corr. 1B: H314 - Causes severe skin burns and eye damage.

# DP20 GERMICIDAL DETERGENT (UNFRAGRANCED)

Revision 27

Revision date 2017-07-28

## 2.2. Label elements

<b>Precautionary Statement: Prevention</b>	Aquatic Chronic 2: H411 - Toxic to aquatic life with long lasting effects. P260 - Do not breathe dust/fume/gas/mist/vapours/spray. P264 - Wash hands and other contactd skin thoroughly after handling. P280 - Wear protective gloves/protective clothing/eye protection/face protection.
<b>Precautionary Statement: Response</b>	P301+P330+P331 - IF SWALLOWED: rinse mouth. Do NOT induce vomiting. P303+P361+P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing. P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P310 -Immediately call a POISON CENTER/doctor/ . P363 - Wash contaminated clothing before reuse. P391 - Collect spillage.
<b>Precautionary Statement: Storage</b>	P405 - Store locked up.
<b>Precautionary Statement: Disposal</b>	P501 - Dispose of contents/container to an approved waste contractor.

## 2.3. Other hazards

<b>Other hazards</b>	PBT not identified as a PBT substance.
----------------------	--

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

#### 67/548/EEC / 1999/45/EC

Chemical Name	Index No.	CAS No.	EC No.	REACH Registration Number	Conc. (%w/w)	Classification	M-factor.
C9-11 Alcohol Ethoxylate with EO		68439-45-2			1 - 10%	Xn; R22 Xi; R41	
Quaternary ammonium compounds, benzyl-C12-14 (even numbered) -alkyldimethyl, chlorides		68424-85-1	939-350-2	01-2119970550-39	1 - 10%	C; R34 Xn; R22 N; R50	M=1
propan-2-ol	603-117-00-0	67-63-0	200-661-7	01-2119457558-25	1 - 10%	F; R11 Xi; R36 R67	
ethanol	603-002-00-5	64-17-5	200-578-6	01-2119457610-43	0 - 0.5%	F; R11	
sodium hydroxide	011-002-00-6	1310-73-2	215-185-5	01-2119457892-27	0 - 0.5%	C; R35	

#### EC 1272/2008

Chemical Name	Index No.	CAS No.	EC No.	REACH Registration Number	Conc. (%w/w)	Classification	M-factor.
C9-11 Alcohol Ethoxylate with EO		68439-45-2			1 - 10%	Acute Tox. 4: H302; Eye Dam. 1: H318;	
Quaternary ammonium compounds, benzyl-C12-14 (even numbered) -alkyldimethyl, chlorides		68424-85-1	939-350-2	01-2119970550-39	1 - 10%	Acute Tox. 4: H302; Skin Corr. 1B: H314; Aquatic Acute 1: H400;	M=1
propan-2-ol	603-117-00-0	67-63-0	200-661-7	01-2119457558-25	1 - 10%	Flam. Liq. 2: H225; Eye Irrit. 2: H319; STOT SE 3: H336;	

## Further information

<b>Product Shelf Life</b>	RECOMMENDED SHELF LIFE 1 YEAR FROM DATE OF DELIVERY.
<b>Active Ingredients</b>	Ingredients - 15 - 30% Cationic Surfactants, 5 - 15% Non-ionic Surfactants, Benzalkonium Chloride, Isopropyl Alcohol, Acid EDTA,.

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

<b>Inhalation</b>	Move the exposed person to fresh air.
<b>Eye contact</b>	Rinse immediately with plenty of water for 15 minutes holding the eyelids open. Contact lenses should be removed.
<b>Skin contact</b>	Remove contaminated clothing. Wash off immediately with plenty of soap and water.

# DP20 GERMICIDAL DETERGENT (UNFRAGRANCED)

Revision 27

Revision date 2017-07-28

## 4.1. Description of first aid measures

Ingestion	DO NOT INDUCE VOMITING. Rinse mouth thoroughly. Drink plenty of water to dilute ingested product.
-----------	---

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

Inhalation	Causes burns.
Eye contact	Causes burns. Risk of serious damage to eyes.
Skin contact	Causes burns.
Ingestion	Causes burns.

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

Inhalation	Move the exposed person to fresh air. In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). Seek medical attention. Show this safety data sheet to the doctor in attendance.
Eye contact	Rinse immediately with plenty of water for 15 minutes holding the eyelids open. Contact lenses should be removed. Seek medical attention. Show this safety data sheet to the doctor in attendance.
Skin contact	Remove contaminated clothing immediately. Rinse immediately with plenty of water. Seek medical attention. Show this safety data sheet to the doctor in attendance.
Ingestion	Drink 1 to 2 glasses of water. Seek medical attention. Show this safety data sheet to the doctor in attendance.

## General information

	If you feel unwell, seek medical advice (show the label where possible). Treat symptomatically.
--	---

## 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

	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

# DP20 GERMICIDAL DETERGENT (UNFRAGRANCED)

Revision 27

Revision date 2017-07-28

## 7.1. Precautions for safe handling

Avoid contact with eyes and skin. Do not breathe vapours or spray mist. 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.

#### 8.1.1. Exposure Limit Values

ethanol	WEL 8-hr limit ppm: 1000 WEL 15 min limit ppm: - WEL 8-hr limit mg/m3 total - inhalable dust: WEL 8-hr limit mg/m3 total - respirable dust:	WEL 8-hr limit mg/m3: 1920 WEL 15 min limit mg/m3: - WEL 15 min limit mg/m3 total - inhalable dust: WEL 15 min limit mg/m3 total - respirable dust:
propan-2-ol	WEL 8-hr limit ppm: 400 WEL 15 min limit ppm: 500 WEL 8-hr limit mg/m3 total - inhalable dust: WEL 8-hr limit mg/m3 total - respirable dust:	WEL 8-hr limit mg/m3: 999 WEL 15 min limit mg/m3: 1250 WEL 15 min limit mg/m3 total - inhalable dust: WEL 15 min limit mg/m3 total - respirable dust:
sodium hydroxide	WEL 8-hr limit ppm: - WEL 15 min limit ppm: - WEL 8-hr limit mg/m3 total - inhalable dust: WEL 8-hr limit mg/m3 total - respirable dust:	WEL 8-hr limit mg/m3: - WEL 15 min limit mg/m3: 2 WEL 15 min limit mg/m3 total - inhalable dust: WEL 15 min limit mg/m3 total - respirable dust:

DNEL: Derived no-effect level.

#### Exposure Pattern - Workers

propan-2-ol	Long-term - inhalation - Systemic effects 500 mg/m <sup>3</sup> Long-term - dermal - Systemic effects 888 mg/kg
Quaternary ammonium compounds, benzyl-C12-14 (even numbered)-alkyldimethyl, chlorides	Long-term - inhalation - Systemic effects 3.96 mg/m <sup>3</sup> Long-term - dermal - Systemic effects 5.7 mg/kg
sodium hydroxide	Long-term - inhalation - Systemic effects 1 mg/m <sup>3</sup>

#### Exposure Pattern - General population

# DP20 GERMICIDAL DETERGENT (UNFRAGRANCED)


Revision 27

Revision date 2017-07-28

## Exposure Pattern - General population

propan-2-ol	<b>Long-term - inhalation - Systemic effects</b> 89 mg/m <sup>3</sup> <b>Long-term - dermal - Systemic effects</b> 319 mg/kg <b>Long-term - oral - Systemic effects</b> 26 mg/kg
Quaternary ammonium compounds, benzyl-C12-14 (even numbered)-alkyldimethyl, chlorides	<b>Long-term - inhalation - Systemic effects</b> 1.64 bw/day <b>Long-term - dermal - Systemic effects</b> 3.4 mg/kg <b>Long-term - oral - Systemic effects</b> 3.4 mg/kg
sodium hydroxide	<b>Long-term - inhalation - Systemic effects</b> 1 mg/m <sup>3</sup>

## 8.2. Exposure controls

	
	<p>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.</p>
<b>8.2.1. Appropriate engineering controls</b>	<p>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.</p>
<b>Eye / face protection</b>	<p>Avoid contact with eyes. If splashes are likely to occur, wear: safety glasses with side-shields.</p>
<b>Skin protection - Handprotection</b>	<p>Rubber gloves.</p>
<b>Respiratory protection</b>	<p>No personal respiratory protective equipment normally required. In case of insufficient ventilation wear suitable respiratory equipment.</p>
<b>8.2.3. Environmental exposure controls</b>	<p>Prevent further leakage or spillage if safe to do so.</p>

## SECTION 9: Physical and chemical properties

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

# DP20 GERMICIDAL DETERGENT (UNFRAGRANCED)

Revision 27

Revision date 2017-07-28

## 9.1. Information on basic physical and chemical properties

<b>Appearance</b>	Liquid
<b>Colour</b>	Colourless
<b>Odour</b>	Slight
<b>Odour threshold</b>	No data available
<b>pH</b>	8.5 - 10.9
<b>Melting point</b>	No data available
<b>Initial boiling point</b>	No data available
<b>Flash point</b>	No data available
<b>Evaporation rate</b>	No data available
<b>Flammability (solid, gas)</b>	No data available
<b>Vapour pressure</b>	No data available
<b>Vapour density</b>	No data available
<b>Relative density</b>	0.995 - 1.005 g/cm <sup>3</sup>
<b>Partition coefficient</b>	No data available
<b>Autoignition temperature</b>	No data available
<b>Viscosity</b>	< 50 centipoise
<b>Explosive properties</b>	No data available
<b>Oxidising properties</b>	No data available
<b>Solubility</b>	Soluble in water

## 9.2. Other information

<b>Conductivity</b>	No data available
<b>Surface tension</b>	No data available
<b>Gas group</b>	No data available
<b>Benzene Content</b>	No data available
<b>Lead content</b>	No data available
<b>VOC (Volatile organic compounds)</b>	No data available

## 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

<b>Acute toxicity</b>	based on available data the classification criteria are not met.
<b>Skin corrosion/irritation</b>	Skin corrosion category 1B.

# DP20 GERMICIDAL DETERGENT (UNFRAGRANCED)

Revision 27

Revision date 2017-07-28

## 11.1. Information on toxicological effects

Serious eye damage/irritation	Corrosivity to eyes is assumed.
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

	No data available
--	-------------------

## SECTION 12: Ecological information

### 12.1. Toxicity

	No data available
--	-------------------

### 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

	<p>DP20 GERMICIDAL DETERGENT (UNFRAGRANCED)</p> <p>sodium hydroxide No data available</p> <p>propan-2-ol 0.05 log P</p>
--	---

### 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

### 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
--	---

## DP20 GERMICIDAL DETERGENT (UNFRAGRANCED)

Revision 27

Revision date 2017-07-28

## Disposal of packaging

compliance with local and national regulations.

## SECTION 14: Transport information

## Hazard pictograms



## 14.1. UN number

UN1903

## 14.2. UN proper shipping name

DISINFECTANT, LIQUID, CORROSIVE, N.O.S. (Alkyl Dimethyl Benzyl Ammonium Chloride)

## 14.3. Transport hazard class(es)

ADR/RID	8
Subsidiary risk	-
IMDG	8
Subsidiary risk	-
IATA	8
Subsidiary risk	-

## 14.4. Packing group

Packing group III

## 14.5. Environmental hazards

Environmental hazards	No
Marine pollutant	No

## 14.6. Special precautions for user

No additional special precautions.

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

Not applicable.

## ADR/RID

Hazard ID	80
Tunnel Category	(E)

## IMDG

EmS Code	F-A S-B
----------	---------

## IATA

Packing Instruction (Cargo)	856
Maximum quantity	60 L
Packing Instruction (Passenger)	852
Maximum quantity	5 L

## 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
-------------	---



# DP20 GERMICIDAL DETERGENT (UNFRAGRANCED)

Revision 27

Revision date 2017-07-28

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

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.

## 15.2. Chemical safety assessment

No information available.

## SECTION 16: Other information

### Other information

<b>Revision</b>	This document differs from the previous version in the following areas: 3 - Active Ingredients. 11 - Skin corrosion/irritation. 11 - Serious eye damage/irritation.
<b>Text of risk phrases in Section 3</b>	R11 - Highly flammable. R22 - Harmful if swallowed. R34 - Causes burns. R35 - Causes severe burns. R36 - Irritating to eyes. R41 - Risk of serious damage to eyes. R50 - Very toxic to aquatic organisms. R67 - Vapours may cause drowsiness and dizziness.
<b>Text of Hazard Statements in Section 3</b>	Acute Tox. 4: H302 - Harmful if swallowed. Eye Dam. 1: H318 - Causes serious eye damage. Skin Corr. 1B: H314 - Causes severe skin burns and eye damage. Aquatic Acute 1: H400 - Very toxic to aquatic life. Flam. Liq. 2: H225 - Highly flammable liquid and vapour. Eye Irrit. 2: H319 - Causes serious eye irritation. STOT SE 3: H336 - May cause drowsiness or dizziness.

### 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.