



## SAFETY DATA SHEET

according to Regulation (EU) 2015/830

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### Portaflush Toilet Tank Deodoriser

Revision 13  
Revision date 2018-06-20

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

##### 1.1. Product identifier

Product name	Portaflush Toilet Tank Deodoriser
Product code	QAFS042

##### 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);
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
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#### SECTION 2: Hazards identification

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

2.1.2. Classification - EC 1272/2008	EUH208; Skin Corr. 1B: H314; Aquatic Acute 1: H400; Aquatic Chronic 3: H412;
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##### 2.2. Label elements

Hazard pictograms	
Signal Word	Danger
Hazard Statement	EUH208 - Contains benzyl salicylate, para-menthan-8-yl acetate, 4-tertiary-butylcyclohexyl acetate. May produce an allergic reaction. Skin Corr. 1B: H314 - Causes severe skin burns and eye damage.

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## 2.2. Label elements

<b>Precautionary Statement: Prevention</b>	Aquatic Acute 1: H400 - Very toxic to aquatic life. Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.
	P280 - Wear protective gloves/protective clothing/eye protection/face protection.
<b>Precautionary Statement: Response</b>	P303+P361+P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
	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.
<b>Precautionary Statement: Disposal</b>	P501 - Dispose of contents/container to an approved disposal site, in accordance with local regulations.

## 2.3. Other hazards

<b>Other hazards</b>	PBT not identified as a PBT substance.
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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
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	20 - 30%	Acute Tox. 4: H302; Skin Corr. 1B: H314; Aquatic Acute 1: H400;
trisodium nitrilotriacetate	607-620-00-6	5064-31-3	225-768-6	01-2119519239-36	1 - 10%	Carc. 2: H351; Acute Tox. 4: H302; Eye Irrit. 2: H319;
Benzyl salicylate		118-58-1	204-262-9		0 - 0.5%	Skin Sens. 1: H317; Aquatic Chronic 3: H412;
Amyl Salicylate		2050-08-0	911-280-7		0 - 0.5%	Acute Tox. 4: H302; Aquatic Chronic 1: H410;
4 - Tertiary - Butylcyclohexyl Acetate		32210-23-4	250-954-9	01-2119976286-24	0 - 0.5%	Skin Sens. 1: H317; Aquatic Chronic 2: H411;
Para-menthan-8-yl acetate		80-25-1	201-264-1		0 - 0.5%	Flam. Liq. 3: H226; Asp. Tox. 1: H304; Skin Sens. 1: H317; Eye Irrit. 2: H319; Aquatic Chronic 2: H411;
Ethanol: Ethyl Alcohol (Ethanol)		64-17-5	200-578-6	01-2119457610-43	0 - 0.5%	Flam. Liq. 2: H225; Eye Irrit. 2: H319;
Eucalyptol		470-82-6	207-431-5		0 - 0.5%	Flam. Liq. 3: H226; Skin Sens. 1: H317;
d-.alpha.-Pinene		7785-70-8	232-087-8		0 - 0.5%	Flam. Liq. 3: H226; Asp. Tox. 1: H304; Skin Irrit. 2: H315; Skin Sens. 1: H317; Aquatic Chronic 1: H410;
dl-Limonene (racemic)		138-86-3	205-341-0		0 - 0.5%	Flam. Liq. 3: H226; Asp. Tox. 1: H304; Skin Irrit. 2: H315; Skin Sens. 1: H317; Aquatic Chronic 1: H410;
Myrcene		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;
p-Cymene		99-87-6	202-796-7		0 - 0.5%	Flam. Liq. 3: H226; Asp. Tox. 1: H304; Aquatic Chronic 2: H411;
Gamma-Terpinene(p-Mentha-1,4-diene)		99-85-4	202-794-6		0 - 0.5%	Flam. Liq. 3: H226; Asp. Tox. 1: H304;

#### Further information

<b>Product Shelf Life</b>	RECOMMENDED SHELF LIFE 1 YEAR FROM DATE OF DELIVERY.
<b>Active Ingredients</b>	Ingredients Toilet Tank Deodoriser - Greater than 30% Cationic Surfactant, Butylene Glycol, Less than 5% Non-ionic Surfactant, Acid NTA, CI 42090, Parfum (Linalool, Citronellol, Eugenol,

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## Further information

	Coumarin).
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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 for 15 minutes holding the eyelids open. Contact lenses should be removed.
Skin contact	Remove contaminated clothing. Wash off immediately with plenty of soap and water.
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.
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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

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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 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

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

Diphenyl ether (Diphenyl ether (vapour))	WEL 8-hr limit ppm: 1	WEL 8-hr limit mg/m <sup>3</sup> : 7.1
	WEL 15 min limit ppm: -	WEL 15 min limit mg/m <sup>3</sup> : -
	WEL 8-hr limit mg/m <sup>3</sup> total inhalable dust: -	WEL 15 min limit mg/m <sup>3</sup> total inhalable dust: -
	WEL 8-hr limit mg/m <sup>3</sup> total respirable dust: -	WEL 15 min limit mg/m <sup>3</sup> total respirable dust: -
Ethanol: Ethyl Alcohol (Ethanol)	WEL 8-hr limit ppm: 1000	WEL 8-hr limit mg/m <sup>3</sup> : 1920
	WEL 15 min limit ppm: -	WEL 15 min limit mg/m <sup>3</sup> : -
	WEL 8-hr limit mg/m <sup>3</sup> total inhalable dust: -	WEL 15 min limit mg/m <sup>3</sup> total inhalable dust: -
	WEL 8-hr limit mg/m <sup>3</sup> total respirable dust: -	WEL 15 min limit mg/m <sup>3</sup> total respirable dust: -

DNEL: Derived no-effect level.

### Exposure Pattern - Workers

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

### Exposure Pattern - General population

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## Exposure Pattern - General population

Quaternary ammonium compounds, benzyl-C12-14 (even numbered)-alkyldimethyl, chlorides	Long-term - inhalation - Systemic effects 1.64 bw/day	
	Long-term - dermal - Systemic effects 3.4 mg/kg	Long-term - oral - 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

## 9.1. Information on basic physical and chemical properties

Appearance	Liquid
Colour	Blue
Odour	Characteristic
Odour threshold	No data available
pH	9.2 - 10
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	0.95 - 1.02 g/cm <sup>3</sup>
Partition coefficient	No data available
Autoignition temperature	No data available
Viscosity	< 100 centipoise
Explosive properties	No data available
Oxidising properties	No data available
Solubility	Soluble in water

## 9.2. Other information

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## 9.2. Other information

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

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.
Skin corrosion/irritation	Skin Corr. 1B: H314 - Causes severe skin burns and eye damage.
Serious eye damage/irritation	Causes serious eye damage.
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

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## 11.1.4. Toxicological Information

Amyl Salicylate	Oral Rat LD50: 2000	
C9-11 Alcohol Ethoxylate with EO	Oral Rat LD50: 1100 mg/kg	
Ethanol: Ethyl Alcohol	Oral Rat LD50: >2000 mg/kg	Dermal Rabbit LD50: >2000 mg/kg
Quaternary ammonium compounds, benzyl-C12-14 (even numbered)-alkyldimethyl, chlorides	Oral Rat LD50: 397.5mg/kg	Dermal Rabbit LD50: 3412 mg/kg

## SECTION 12: Ecological information

## 12.1. Toxicity

Quaternary ammonium compounds, benzyl-C12-14 (even numbered)-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.
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## 12.3. Bioaccumulative potential

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

	PortaflushToilet Tank Deodoriser No data available	Ethanol: Ethyl Alcohol 0.35 log P
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## 12.4. Mobility in soil

	No data is available on this product.
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## 12.5. Results of PBT and vPvB assessment

	No data is available on this product.
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## 12.6. Other adverse effects

	No data available.
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## SECTION 13: Disposal considerations

## 13.1. Waste treatment methods

	Dispose of waste and residues in accordance with local authority requirements.
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## 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.
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## SECTION 14: Transport information

## Hazard pictograms

	 
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<b>14.1. UN number</b>	
	UN1760
<b>14.2. UN proper shipping name</b>	
	CORROSIVE LIQUID, N.O.S. (Alkyl Dimethyl Benzyl Ammonium chloride)
<b>14.3. Transport hazard class(es)</b>	
ADR/RID	8
Subsidiary risk	-
IMDG	8
Subsidiary risk	-
IATA	8
Subsidiary risk	-
<b>14.4. Packing group</b>	
Packing group	III
<b>14.5. Environmental hazards</b>	
Environmental hazards	Yes
Marine pollutant	Yes
<b>14.6. Special precautions for user</b>	
	No additional special precautions.
<b>14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code</b>	
	Not applicable.

<b>ADR/RID</b>	
Hazard ID	80
Tunnel Category	(E)
<b>IMDG</b>	
EmS Code	F-A S-B
<b>IATA</b>	
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**

<b>Regulations</b>	<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>
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## 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: 1 - Product Use. 2 - Precautionary Statement: Disposal. 11 - 11.1.4. Toxicological Information. 11 - Skin corrosion/irritation. 11 - 11.1. Information on toxicological effects. 12 - 12.1. Toxicity. 16 - Data sources.
<b>Data sources</b>	Classification and Procedure used to derive the classification for mixtures according to Regulation (EC) No. 1272/2008: Skin Corr. 1B: H314 - Causes severe skin burns and eye damage. - Calculation Method. Aquatic Acute 1: H400 - Very toxic to aquatic life. - Calculation Method. 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. 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. Eye Irrit. 2: H319 - Causes serious eye irritation. Carc. 2: H351 - Suspected of causing cancer . Skin Sens. 1: H317 - May cause an allergic skin reaction. Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects. Aquatic Chronic 1: H410 - Very toxic to aquatic life with long lasting effects. Aquatic Chronic 2: H411 - 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. Flam. Liq. 2: H225 - Highly flammable liquid and vapour. Skin Irrit. 2: H315 - Causes skin irritation.

## 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.