

Safety Data Sheet

according to Regulation (EU) 2015/830

Date of issue: 14/02/2018 Version: 2.0. For changes from previous version, please see section 16

1.1. Product i	dentifier			
Product form	: N	lixture		
Trade name	: F	oyal Flush Toilet Fluid		
Product code	: F	FTF		
UFI Number	: 1	QUK-C1FN-S009-U1U2		
Product group	: T	rade product		
1.2. Relevant	identified uses of the substanc	e or mixture and uses advised ag	gainst	
1.2.1. Relevant	identified uses			
Main use category	: F	rofessional use		
Industrial/Professior	al use spec : F	or professional use only		
Use of the substance/mixture : Washing and cleaning products. Used in portable toilets and commodes to prevent odours		mmodes to prevent odours.		
No additional inform	ised against ation available the supplier of the safety data	sheet		
technical@bio-prod	d Kingdom 1000 - F 0044 (0) 1444 244999 <u>uctions.com</u> - <u>www.bio-production</u> cy telephone number	<u>s.com</u>		
Emergency number		044 (0) 1444 244000 (office hours	s only)	
Country	Organisation/Company	Address	Emergency number	Comment
United Kingdom	National Poisons Information Service (Birmingham Centre)	Dudley Road B18 7QH Birmingham	0844 892 0111 (UK only, Monday to Friday,	

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP] Serious eye damage/eye irritation, Category 1 H318

Full text of hazard classes and H-statements : see section 16

Adverse physicochemical, human health and environmental effects Causes serious eye damage.

2.2. Label elements Labelling according to Regulation (EC) No. 1272/2008 [CLP] Hazard pictograms (CLP) GHS05 Signal word (CLP) : Danger Hazardous ingredients : ALCOHOLS C12 - 14 (7 - 7.5 EO) Hazard statements (CLP) : H318 - Causes serious eye damage Precautionary statements (CLP) : P102 - Keep out of reach of children. P280 - Wear protective gloves, protective clothing, eye protection, face protection 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, a doctor : EUH208 - Contains 1,2-benzisothiazol-3(2H)-one, 1,2-benzisothiazolin-3-one(2634-33-5). May **EUH-statements** produce an allergic reaction 14/02/2018 GB - en 1/7

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Detergent Regulation: Labelling of contents

Contains: Non-ionic surfactants 5 - 15% Perfumes, Limonene

2.3. Other hazards No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

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3.2. Mixture

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
ALCOHOLS C12 - 14 (7 - 7.5 EO)	(CAS No) 68439-50-9	5 - 10	Eye Dam. 1, H318 Aquatic Chronic 3, H412
Benzaldehyde substance with a Community workplace exposure limit	(CAS No) 100-52-7 (EC no) 202-860-4 (EC index no) 605-012-00-5 (REACH-no) 01-2119455540-44	0.1 - 1	Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Inhalation), H332 STOT SE 3, H335
Isopentyl acetate substance with a Community workplace exposure limit	(CAS No) 123-92-2 (EC no) 204-662-3 (EC index no) 607-130-00-2 (REACH-no) 01-2119548408-32	< 0.1	Flam. Liq. 3, H226
1,2-benzisothiazol-3(2H)-one, 1,2-benzisothiazolin-3-one	(CAS No) 2634-33-5 (EC no) 220-120-9 (EC index no) 613-088-00-6	< 0.1	Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315 Eye Dam. 1, H318 Skin Sens. 1, H317 Aquatic Acute 1, H400
Specific concentration limits:			
Name	Product identifier	Specific o	concentration limits
1,2-benzisothiazol-3(2H)-one, 1,2-benzisothiazolin-3-one	(CAS No) 2634-33-5 (EC no) 220-120-9 (EC index no) 613-088-00-6	(C >= 0.05)	Skin Sens. 1, H317

Full text of H-statements: see section 16

SECTION 4: First aid measures	
4.1. Description of first aid measures	
First-aid measures general	: If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation	: Remove person to fresh air and keep comfortable for breathing.
First-aid measures after skin contact	: Wash skin with plenty of water.
First-aid measures after eye contact	: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a physician immediately.
First aid advice Ingestion	: Do not give anything by mouth to an unconscious person. Wash mouth out with water, then drink pleanty of water. Do NOT induce vomiting.
4.2. Most important symptoms and effe	cts, both acute and delayed
Symptoms/injuries	: Causes severe skin burns and eye damage.
Symptoms/injuries after eye contact	: Serious damage to eyes.
4.3. Indication of any immediate medica	I attention and special treatment needed
Treat symptomatically.	
SECTION 5: Firefighting measures	
5.1. Extinguishing media	
Suitable extinguishing media	: Water spray. Dry powder. Foam. Carbon dioxide.
5.2. Special hazards arising from the su	bstance or mixture
Hazardous decomposition products in case of fire	: Toxic fumes may be released.
5.3. Advice for firefighters	
Protection during firefighting	: Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

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SECTION 6: Accidental rele	se measures	
6.1. Personal precautions, p	ective equipment and emergency procedures	
6.1.1. For non-emergency pers	nnel	
Emergency procedures	: Ventilate spillage area. Avoid contact with skin and eyes.	
6.1.2. For emergency respond		
Protective equipment	: Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".	
6.2. Environmental precaution		
Avoid release to the environment.		
6.3. Methods and material fo	ontainment and cleaning up	
For containment	: Collect spillage.	
Methods for cleaning up	: Take up liquid spill into absorbent material.	
Other information	: Dispose of materials or solid residues at an authorized site.	
6.4. Reference to other secti	S	
For further information refer to section	13. For further information refer to section 8: "Exposure controls/personal protection".	
For further information refer to section SECTION 7: Handling and section 2: For the section of t	· · ·	
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SECTION 7: Handling and s	orage	
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Appropriate engineering controls:

Ensure good ventilation of the work station.

Hand protection:

Protective gloves

Eye protection:

Safety glasses

Skin and body protection:

Wear suitable protective clothing

Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment

Environmental exposure controls:

Avoid release to the environment.

SECTION 9: Physical and chemical properties		
9.1. Information on bas	ic physical and chemical properties	
Physical state	: Liquid	
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Appearance	: Clear, thin liquid.
Colour	: Blue
Odour	: pleasant fruity.
Odour threshold	: No data available
рН	: 7-8
Relative evaporation rate (butyl acetate=1)	: No data available
Melting point	: Not applicable
Freezing point	: No data available
Boiling point	: No data available
Flash point	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not applicable
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Density	: ≈ 1.04 g/ml
Solubility	: Soluble in water.
Log Pow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available
9.2. Other information	
No additional information available	
SECTION 10: Stability and reactivit	tv
10.1. Reactivity	
The product is non-reactive under normal cond	ditions of use, storage and transport.
10.2. Chemical stability	
Stable under normal conditions.	
10.3. Possibility of hazardous reactions	
No dangerous reactions known under normal	conditions of use.
10.4. Conditions to avoid	
None under recommended storage and handli	ng conditions (see section 7).
10.5. Incompatible materials	
No additional information available	
10.6. Hazardous decomposition produc	ts
No additional information available	
SECTION 11: Toxicological information	ation
11.1 Information on toxicological offec	
11.1. Information on toxicological effec	: Not classified

1,2-benzisothiazol-3(2H)-one, 1,2-benzisothiazolin-3-one (2634-33-5)	
LD50 oral	1020 mg/kg bodyweight
LD50 dermal	4115 mg/kg bodyweight
LC50 inhalation rat (Dust/Mist - mg/l/4h)	100 mg/l/4h
ALCOHOLS C12 - 14 (7 - 7.5 EO) (68439-50	-9)
LD50 oral rat	> 2000 mg/kg
LD50 dermal rabbit	> 2000 mg/kg
Benzaldehyde (100-52-7)	
LD50 oral	1292 mg/kg bodyweight
LD50 dermal	> 1250 mg/kg bodyweight
LC50 inhalation rat (Dust/Mist - mg/l/4h)	> 1000 mg/l/4h
11/00/0010	

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Isopentyl acetate (123-92-2)	
LD50 oral	16600 mg/kg bodyweight
LD50 dermal	> 5000 mg/kg bodyweight
Skin corrosion/irritation	: Not classified
	pH: 7 - 8
Serious eye damage/irritation	: Causes serious eye damage.
	pH: 7 - 8
Respiratory or skin sensitisation	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
Specific target organ toxicity (single exposure)	: Not classified
Specific target organ toxicity (repeated exposure)	: Not classified
Aspiration hazard	: Not classified

SECTION 12: Ecological information

12.1. Toxicity Ecology - general

: The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.

1,2-benzisothiazol-3(2H)-one, 1,2-benzisothiazolin-3-one (2634-33-5)		
LC50 fish 1	2.18 mg/l	
EC50 other aquatic organisms 1	2.94 mg/l EC50 waterflea (48 h)	
EC50 other aquatic organisms 2	0.11 mg/l IC50 algea (72 h) mg/l	
Benzaldehyde (100-52-7)		
LC50 fish 1	1.07 mg/l	
EC50 other aquatic organisms 1	23.7 mg/l EC50 waterflea (48 h)	
EC50 other aquatic organisms 2	> 100 mg/l IC50 algea (72 h) mg/l	
Isopentyl acetate (123-92-2)		
LC50 fish 1	> 22 mg/l	
EC50 other aquatic organisms 1	42 mg/l EC50 waterflea (48 h)	
EC50 other aquatic organisms 2	> 100 mg/l IC50 algea (72 h) mg/l	

12.2. Persistence and degradability

No additional information available

12.3. Bioaccumulative potential

No additional information available

12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

No additional information available

SECTION 13: Disposal considerations		
13.1. Waste treatment methods		
Regional legislation (waste)	: Disposal must be done according to official regulations.	

SECTION 14: Transport information

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

14.1. UN number	
UN-No. (ADR)	: Not applicable
UN-No. (IMDG)	: Not applicable
UN-No. (IATA)	: Not applicable
UN-No. (ADN)	: Not applicable

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	: Not applicable
14.2. UN proper shipping name	
Proper Shipping Name (ADR)	: Not applicable
Proper Shipping Name (IMDG)	: Not applicable
Proper Shipping Name (IATA)	: Not applicable
Proper Shipping Name (ADN)	: Not applicable
Proper Shipping Name (RID)	: Not applicable
14.3. Transport hazard class(es)	
ADR	
Transport hazard class(es) (ADR)	: Not applicable
IMDG	
Transport hazard class(es) (IMDG)	: Not applicable
ΙΑΤΑ	
Transport hazard class(es) (IATA)	: Not applicable
ADN	
Transport hazard class(es) (ADN)	: Not applicable
RID	
Transport hazard class(es) (RID)	: Not applicable
14.4. Packing group	
Packing group (ADR)	: Not applicable
Packing group (IMDG)	: Not applicable
Packing group (IATA)	: Not applicable
Packing group (ADN)	: Not applicable
Packing group (RID)	: Not applicable
14.5. Environmental hazards	
Dangerous for the environment	: No
Marine pollutant	: No
Other information	: No supplementary information available

14.6. Special precautions for user

- Overland transport

Not applicable

- Transport by sea Not applicable

- Air transport

Not applicable

- Inland waterway transport

Not applicable

- Rail transport

Not applicable

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

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

Contains no REACH substances with Annex XVII restrictions Contains no substance on the REACH candidate list Contains no REACH Annex XIV substances

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15.1.2. National regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Changes from previous version

- UFI Number added to section 1.1
 - P-Statements added in Section 2.2

Abbreviations and acronyms:

Abbicviations	and actority ins.	
ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways	
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road	
ATE	Acute Toxicity Estimate	
CLP	Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008	
ΙΑΤΑ	International Air Transport Association	
IMDG	International Maritime Dangerous Goods	
LC50	Median lethal concentration	
LD50	Median lethal dose	
PBT	Persistent Bioaccumulative Toxic	
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006	
RID	Regulations concerning the International Carriage of Dangerous Goods by Rai	
SDS	Safety Data Sheet	
vPvB	Very Persistent and Very Bioaccumulative	

Full text of H- and EUH-statements:

Acute Tox. 4 (Inhalation)	Acute toxicity (inhal.), Category 4
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Aquatic Acute 1	Hazardous to the aquatic environment — Acute Hazard, Category 1
Aquatic Chronic 3	Hazardous to the aquatic environment — Chronic Hazard, Category 3
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Flam. Liq. 3	Flammable liquids, Category 3
Skin Irrit. 2	Skin corrosion/irritation, Category 2
Skin Sens. 1	Sensitisation — Skin, Category 1
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation
H226	Flammable liquid and vapour
H302	Harmful if swallowed
H315	Causes skin irritation
H317	May cause an allergic skin reaction
H318	Causes serious eye damage
H332	Harmful if inhaled
H335	May cause respiratory irritation
H400	Very toxic to aquatic life
H412	Harmful to aquatic life with long lasting effects
EUH208	Contains . May produce an allergic reaction

SDS EU (Reach Annex II) GREEN

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