

TOILET DESCALER RTU

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

1.1 - Product identifier

Trade name/designation TOILET DESCALER RTU

Chemical name

Product-type Mixture

Product code 68029BO BVH

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

Relevant identified uses

- PC35: Washing and cleaning products
(including solvent based products).

1.3 - Details of the supplier of the safety data sheet

Biovate Hygienics Ltd

Grafton House

Pury Hill Business Park

NN12 7LS Towcester United Kingdom

Telephone: 01328 851407

Website: www.biovatehygienics.com

Email: info@biovatehygienics.com

1.4 - Emergency telephone number

United Kingdom: NHS Direct:111

SECTION 2: Hazards identification

2.1 - Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 [CLP]

Skin Irrit. 2	Irritation, Category 2
Eye Irrit. 2	Eye irritation - Category 2

2.2 - Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Signal word : Warning

Hazard pictograms



Hazard statements

H315	Causes skin irritation
H319	Causes serious eye irritation

Precautionary statements

P264	Wash hands thoroughly after handling.
P280	Wear protective gloves.
P302+P352	IF ON SKIN: Wash with plenty of water and soap.

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P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P332+P313	If skin irritation occurs: Get medical advice/attention.
P337+P313	If eye irritation persists: Get medical advice/attention.
P362+P364	Take off contaminated clothing and wash it before reuse.
EUH-phrases	: None

2.3 - Other hazards

PBT-substance. - This substance does not meet the PBT/vPvB criteria of REACH, Annex XIII.

SECTION 3: Composition / information on ingredients

3.1 - Substances

Not applicable

3.2 - Mixtures

Chemical name	No	%	Class(es)	Specific concentration limit
Citric Acid Anhydrous	CAS No. : 77-92-9 Index No. : EC No. : 201-069-1 REACH No. : 01-2119457026-4-XXXX	0 - 5	Eye Irrit. 2 - H319	Not applicable
(Z)-2,2'-(octadec-9-enylimino) bisethanol	CAS No. : 13127-82-7 Index No. : EC No. : 236-062-2	0 - 2	Acute Tox. 4 Oral - H302 Aquatic Acute 1 - H400 Skin Corr. 1B - H314	Not applicable

SECTION 4: First aid measures

4.1 - Description of first aid measures

<u>Following inhalation</u>	<ul style="list-style-type: none"> - No special measures are necessary. - Provide fresh air. - When in doubt or if symptoms are observed, get medical advice.
<u>Following skin contact</u>	<ul style="list-style-type: none"> - After contact with skin, wash immediately with plenty of water and soap. - In case of skin irritation, consult a physician.
<u>After eye contact</u>	<ul style="list-style-type: none"> - Rinse immediately carefully and thoroughly with eye-bath or water. - In case of eye irritation consult an ophthalmologist.
<u>After ingestion</u>	<ul style="list-style-type: none"> - Rinse mouth thoroughly with water. - Do NOT induce vomiting. - When in doubt or if symptoms are observed, get medical advice.

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

<u>Symptoms and effects - Following inhalation</u>	- No known effects or symptoms in normal use.
<u>Symptoms and effects - Following skin contact</u>	- Causes skin irritation.
<u>Symptoms and effects - After eye contact</u>	- Causes eye irritation.

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Symptoms and effects - After ingestion - No information available.

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

- Treat symptomatically.

SECTION 5: Firefighting measures

5.1 - Extinguishing media

Suitable extinguishing media

- ABC-powder
- Carbon dioxide (CO₂)
- Foam
- Extinguishing powder

Unsuitable extinguishing media - Full water jet

5.2 - Special hazards arising from the substance or mixture

Special hazards arising from the substance or mixture - No information available.

5.3 - Advice for firefighters

- Co-ordinate fire-fighting measures to the fire surroundings.
- Wear a self-contained breathing apparatus and chemical protective clothing.

SECTION 6: Accidental release measures

6.1 - Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

- Use personal protection equipment.
- Wear breathing apparatus if exposed to vapours/dusts/aerosols.

For emergency responders - No information available.

6.2 - Environmental precautions

- Do not allow large spills to enter into surface water or drains.

6.3 - Methods and material for containment and cleaning up

Methods and material for containment - Clear spills immediately.

Methods and material for cleaning up

- Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents).
- Wash with plenty of water.

Inappropriate techniques - No information available.

6.4 - Reference to other sections

- Disposal: see section 13
- Personal protection equipment: see section 8

SECTION 7: Handling and storage

7.1 - Precautions for safe handling

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Recommendation - Avoid: Eye contact
- Avoid: Skin contact

Advices on general occupational hygiene - Wash hands before breaks and after work.
- When using do not eat, drink, smoke, sniff.

7.2 - Conditions for safe storage, including any incompatibilities

- Keep container tightly closed in a cool, well-ventilated place.
- Only use containers specifically approved for the substance/product.

7.3 - Specific end use(s)

SECTION 8: Exposure controls/personal protection

8.1 - Control parameters

8.2 - Exposure controls

Appropriate engineering controls - Ensure there is sufficient ventilation

Individual protection measures, such as personal protective equipment - Eye protection



- Protective gloves



- Wash hands thoroughly after handling.

SECTION 9: Physical and chemical properties

9.1 - Information on basic physical and chemical properties

<u>Physical state</u>	Liquid	<u>Appearance</u>	Liquid
<u>Colour</u>	green	<u>Odour</u>	Pleasant
Odour threshold		No data available	
pH		2.5 < V < 3	
Melting point		No data available	
Freezing point		No data available	
Boiling point		98 °C	
Flash point		> 93 °C	
Evaporation rate		No data available	
flammability		No data available	
Lower explosion limit		No data available	
Upper explosion limit		No data available	
Vapour pressure		No data available	
Vapour density		No data available	
Relative density		No data available	
Density		No data available	

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Solubility (Water)	Soluble in water.
Solubility (Ethanol)	No data available
Solubility (Acetone)	No data available
Solubility (Organic solvents)	No data available
Log KOC	No data available
Auto-ignition temperature	No data available
Decomposition temperature	No data available
Kinematic viscosity	No data available
Dynamic viscosity	Viscous

Particle characteristics

Particle size	No data available
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9.2 - Other information

VOC content	No data available
Minimum ignition energy	No data available
Conductivity	No data available

SECTION 10: Stability and reactivity

10.1 - Reactivity

- This material is considered to be non-reactive under normal use conditions.

10.2 - Chemical stability

- The product is chemically stable under recommended conditions of storage, use and temperature.

10.3 - Possibility of hazardous reactions

- No hazardous reaction when handled and stored according to provisions.

10.4 - Conditions to avoid

- Avoid direct sunlight.
- Avoid excessive heat for prolonged periods of time.

10.5 - Incompatible materials

- Strong Acids and Oxidising Agents

10.6 - Hazardous decomposition products

- Does not decompose when used for intended uses.

SECTION 11: Toxicological information

11.1 - Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity - Not classified

Toxicity : Mixture

LD50 oral (rat)	No data available
LD50 dermal (rat)	No data available
LD50 dermal (rabbit)	No data available

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LC50 inhalation (rat)	No data available
LC50 inhalation dusts and mists (rat)	No data available
LC50 inhalation vapours (rat)	No data available

- Based on available data, the classification criteria are not met.

Toxicity : Substances

(Z)-2,2'-(octadec-9-enylimino)bisethanol (13127-82-7)

LD50 oral (rat)	300 mg/kg < V < 2000 mg/kg
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Citric Acid Anhydrous (77-92-9)

LD50 dermal (rat)	2000 mg/kg
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Skin corrosion/irritation

- Irritation, Category 2 - Causes skin irritation

- Irritating to skin.

Serious eye damage/eye irritation

- Eye irritation - Category 2 - Causes serious eye irritation

- Irritating to eyes.

Respiratory or skin sensitisation

- Not classified

Germ cell mutagenicity

- Not classified

Carcinogenicity

- Not classified

Reproductive toxicity

- Not classified

STOT-single exposure

- Not classified

STOT-repeated exposure

- Not classified

Aspiration hazard

- Not classified

11.2 - Information on other hazards

SECTION 12: Ecological information

12.1 - Toxicity

Toxicity : Mixture

EC50 48 hr crustacea	No data available
LC50 96 hr fish	No data available
ErC50 algae	No data available
ErC50 other aquatic plants	No data available
NOEC chronic fish	No data available
NOEC chronic crustacea	No data available
NOEC chronic algae	No data available
NOEC chronic other aquatic plants	No data available

Toxicity : Substances

(Z)-2,2'-(octadec-9-enylimino)bisethanol (13127-82-7)

EC50 48 hr crustacea	0.1 mg/l < V < 1 mg/l
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LC50 96 hr fish	0.1 mg/l < V < 1 mg/l
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Citric Acid Anhydrous (77-92-9)	
ErC50 algae	425 mg/l (168 Hours)

- The substance/mixture does not fulfill the criteria of the acute aquatic toxicity according to Regulation (EC) No 1272/2008 [CLP], Annex I.

12.2 - Persistence and degradability

Biochemical oxygen demand (BOD)	No data available
Chemical oxygen demand (COD)	No data available
% of biodegradation in 28 days	No data available

- No information available.

12.3 - Bioaccumulative potential

Bioconcentration factor (BCF)	No data available
Log KOC	No data available

- No indication of bioaccumulation potential.

12.4 - Mobility in soil

- No information available.

12.5 - Results of PBT and vPvB assessment

- This substance does not meet the PBT/vPvB criteria of REACH, Annex XIII.

12.6 - Endocrine disrupting properties

12.7 - Other adverse effects

- No information available.

SECTION 13: Disposal considerations

13.1 - Waste treatment methods

<u>Waste treatment methods</u>	- Dispose of waste according to applicable legislation.
<u>Sewage disposal</u>	- No information available.
<u>Special precautions for waste treatment</u>	- No information available.
<u>Community or national or regional provisions</u>	- No information available.

SECTION 14: Transport information

14.1 - UN number or ID number

Not applicable

14.2 - UN proper shipping name

14.3 - Transport hazard class(es)

14.4 - Packing group

14.5 - Environmental hazards

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14.6 - Special precautions for user

14.7 - Maritime transport in bulk according to IMO instruments

SECTION 15: Regulatory information

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

Substances REACH candidates None

Substances Annex XIV None

Substances Annex XVII None

VOC content No data available

15.2 - Chemical Safety Assessment

Chemical safety assessment carried out for the product - No information available.

SECTION 16: Other information

SDS versions

Version	Issue date	Author	Description of the amendments
1	04/02/2022		

Texts of the regulatory sentences

Acute Tox. 4 Oral	Acute toxicity (oral) - Category 4
Aquatic Acute 1	Hazardous to the aquatic environment - Aquatic Acute 1
Eye Irrit. 2	Eye irritation - Category 2
H315	Causes skin irritation
H319	Causes serious eye irritation
Skin Corr. 1B	Skin corrosion, Category 1B
Skin Irrit. 2	Irritation, Category 2

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