

# CLEENOL

For a cleaner, safer world

## SAFETY DATA SHEET ENVIROLOGICAL CITRIC TOILET CLEANER

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

#### 1.1. Product identifier

Product name	ENVIROLOGICAL CITRIC TOILET CLEANER
Internal identification	058178, 058189
Container size	2x5L, 6x750ml

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

Identified uses	Toilet cleaner and descaler.
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#### 1.3. Details of the supplier of the safety data sheet

Supplier	Cleenol Group Ltd Neville House Beaumont Road Banbury Oxon OX16 1RB UK Tel: +44 (0)1295 251721 sales@cleenol.co.uk
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#### 1.4. Emergency telephone number

Emergency telephone	In case of a medical emergency following exposure to a chemical, call NHS Direct in England or Wales 0845 46 47 or NHS 24 in Scotland 08454 24 24 24 (UK only).
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### SECTION 2: Hazards identification

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

##### Classification (EC 1272/2008)

Physical hazards	Not Classified
Health hazards	Skin Irrit. 2 - H315
Environmental hazards	Aquatic Chronic 3 - H412

#### 2.2. Label elements

##### Hazard pictograms



Signal word	Warning
Hazard statements	H315 Causes skin irritation. H412 Harmful to aquatic life with long lasting effects.

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<b>Precautionary statements</b>	P273 Avoid release to the environment.
	P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.
	P362+P364 Take off contaminated clothing and wash it before reuse.
	P302+P352 IF ON SKIN: Wash with plenty of water.
	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.
<b>Supplementary precautionary statements</b>	P264 Wash contaminated skin thoroughly after handling.
	P321 Specific treatment (see medical advice on this label).
	P337+P313 If eye irritation persists: Get medical advice/ attention.
	P501 Dispose of contents/ container in accordance with national regulations.

### 2.3. Other hazards

#### SECTION 3: Composition/information on ingredients

##### 3.2. Mixtures

<b>CITRIC ACID MONOHYDRATE</b>			<b>1-5%</b>
CAS number: 5949-29-1	EC number: 691-328-9		
<b>Classification</b>			
Skin Irrit. 2 - H315			
<b>2,2'-(OCTADEC-9-ENYLIMINO) BISETHANOL</b>			<b>1-5%</b>
CAS number: 25307-17-9	EC number: 246-807-3	REACH registration number: 01-2119510876-35-XXXX	
M factor (Acute) = 10	M factor (Chronic) = 1		
<b>Classification</b>			
Acute Tox. 4 - H302			
Skin Corr. 1A - H314			
Aquatic Acute 1 - H400			
Aquatic Chronic 1 - H410			
<b>ETHANOL</b>			<b>1-5%</b>
CAS number: 64-17-5	EC number: 200-578-6	REACH registration number: 01-2119457610-43-XXXX	
<b>Classification</b>			
Flam. Liq. 2 - H225			

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<b>TOLUENE</b>	<b>&lt;1%</b>
CAS number: 108-88-3	EC number: 203-625-9
<b>Classification</b> Flam. Liq. 2 - H225 Skin Irrit. 2 - H315 Repr. 2 - H361d STOT SE 3 - H336 STOT RE 2 - H373 Asp. Tox. 1 - H304	

The full text for all hazard statements is displayed in Section 16.

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

<b>Inhalation</b>	Due to the physical nature of this product, exposure by this route is unlikely.
<b>Ingestion</b>	Give plenty of water to drink. Give milk instead of water if readily available. Get medical attention if a large quantity has been ingested. If in doubt, get medical attention promptly.
<b>Skin contact</b>	Remove contaminated clothing and rinse skin thoroughly with water. Get medical attention if symptoms are severe or persist after washing.
<b>Eye contact</b>	Remove any contact lenses and open eyelids wide apart. Rinse immediately with plenty of water. Continue to rinse for at least 15 minutes. Get medical attention if symptoms are severe or persist after washing.

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

<b>Inhalation</b>	The product is not believed to present a hazard due to its physical nature.
<b>Ingestion</b>	No adverse effects known. May cause discomfort.
<b>Skin contact</b>	Causes skin irritation.
<b>Eye contact</b>	No adverse effects known. May cause eye irritation.

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

<b>Notes for the doctor</b>	No specific recommendations.
<b>Specific treatments</b>	Treat symptomatically.

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

**Suitable extinguishing media** The product is not flammable. Use fire-extinguishing media suitable for the surrounding fire.

#### 5.2. Special hazards arising from the substance or mixture

<b>Specific hazards</b>	None known.
<b>Hazardous combustion products</b>	Irritating gases or vapours.

#### 5.3. Advice for firefighters

**Protective actions during firefighting** Avoid breathing fire gases or vapours.

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**Special protective equipment for firefighters** Use protective equipment appropriate for surrounding materials. Firefighter's clothing conforming to European standard EN469 (including helmets, protective boots and gloves) will provide a basic level of protection for chemical incidents.

### SECTION 6: Accidental release measures

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

**Personal precautions** Avoid contact with eyes and prolonged skin contact. Do not touch or walk into spilled material. Take care as floors and other surfaces may become slippery.

#### 6.2. Environmental precautions

**Environmental precautions** Avoid discharge to the aquatic environment.

#### 6.3. Methods and material for containment and cleaning up

**Methods for cleaning up** Absorb in vermiculite, dry sand or earth and place into containers. Flush contaminated area with plenty of water. Discharge of small quantities to the sewer with plenty of water may be permitted.

#### 6.4. Reference to other sections

**Reference to other sections** For personal protection, see Section 8. For waste disposal, see Section 13.

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

**Usage precautions** Avoid contact with eyes and prolonged skin contact.

**Advice on general occupational hygiene** Wash hands thoroughly after handling.

#### 7.2. Conditions for safe storage, including any incompatibilities

**Storage precautions** Keep only in the original container. Keep container tightly sealed when not in use. Protect from freezing and direct sunlight.

**Storage class** Chemical storage.

#### 7.3. Specific end use(s)

**Specific end use(s)** The identified uses for this product are detailed in Section 1.2. Refer to Product Use Guide (PUG) for further information.

### SECTION 8: Exposure controls/Personal protection

#### 8.1. Control parameters

##### Occupational exposure limits

##### **CITRIC ACID MONOHYDRATE**

Long-term exposure limit (8-hour TWA): 4 mg/m<sup>3</sup>

Short-term exposure limit (15-minute): 10 mg/m<sup>3</sup>

##### **ETHANOL**

Long-term exposure limit (8-hour TWA): WEL 1000 ppm 1920 mg/m<sup>3</sup>

Short-term exposure limit (15-minute): WEL

##### **TOLUENE**

Long-term exposure limit (8-hour TWA): WEL 50 ppm(Sk) 191 mg/m<sup>3</sup>(Sk)

Short-term exposure limit (15-minute): WEL 150 ppm(Sk) 574 mg/m<sup>3</sup>(Sk)

WEL = Workplace Exposure Limit.

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### 8.2. Exposure controls

#### Protective equipment



<b>Appropriate engineering controls</b>	No specific ventilation requirements.
<b>Eye/face protection</b>	No specific eye protection required during normal use. Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible.
<b>Hand protection</b>	It is recommended that chemical-resistant, impervious gloves are worn. Wear protective gloves made of the following material: Rubber (natural, latex). Nitrile rubber.
<b>Hygiene measures</b>	No specific hygiene procedures recommended but good personal hygiene practices should always be observed when working with chemical products.
<b>Respiratory protection</b>	No specific requirements are anticipated under normal conditions of use.

### SECTION 9: Physical and chemical properties

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

<b>Appearance</b>	Clear liquid.
<b>Colour</b>	Blue.
<b>Odour</b>	Citrus.
<b>pH</b>	pH (concentrated solution): 2.0-3.5
<b>Flash point</b>	Not applicable.
<b>Flammability (solid, gas)</b>	Not applicable.
<b>Relative density</b>	~ 1.005
<b>Solubility(ies)</b>	Soluble in water.
<b>Auto-ignition temperature</b>	Not applicable.
<b>Viscosity</b>	700 - 1500 cP @ 20°C
<b>Oxidising properties</b>	Does not meet the criteria for classification as oxidising.

#### 9.2. Other information

<b>Refractive index</b>	4 - 6
<b>Volatile organic compound</b>	This product contains a maximum VOC content of <1 %.

### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

<b>Reactivity</b>	The reactivity data for this product will be typical of those for the following class of materials: Acids - organic.
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#### 10.2. Chemical stability

<b>Stability</b>	Stable at normal ambient temperatures and when used as recommended.
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### 10.3. Possibility of hazardous reactions

**Possibility of hazardous reactions** Under normal conditions of storage and use, no hazardous reactions will occur.

### 10.4. Conditions to avoid

**Conditions to avoid** Avoid contact with strong alkalis.

### 10.5. Incompatible materials

**Materials to avoid** Do not mix with other cleaning products.

### 10.6. Hazardous decomposition products

**Hazardous decomposition products** Does not decompose when used and stored as recommended.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

**Toxicological effects** Information given is based on data of the components and of similar products.

#### Acute toxicity - oral

**ATE oral (mg/kg)** 27,777.78

#### Skin corrosion/irritation

**Skin corrosion/irritation** Causes skin irritation.

#### Inhalation

The product is considered to be a low hazard under normal conditions of use.

#### Ingestion

No harmful effects expected from quantities likely to be ingested by accident.

#### Skin contact

Causes skin irritation.

#### Eye contact

The product is considered to be a low hazard under normal conditions of use. May cause eye irritation.

#### Route of exposure

Skin and/or eye contact

## SECTION 12: Ecological information

**Ecotoxicity** The product contains a substance which is harmful to aquatic organisms and which may cause long-term adverse effects in the aquatic environment.

### 12.1. Toxicity

**Toxicity** Harmful to Aquatic Organisms

### 12.2. Persistence and degradability

**Persistence and degradability** The product is biodegradable.

### 12.3. Bioaccumulative potential

**Bioaccumulative potential** The product is not bioaccumulating.

### 12.4. Mobility in soil

**Mobility** The product is miscible with water and may spread in water systems.

### 12.5. Results of PBT and vPvB assessment

**Results of PBT and vPvB assessment** This product does not contain any substances classified as PBT or vPvB.

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### 12.6. Other adverse effects

**Other adverse effects** None known.

### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

**General information** Dispose of surplus products and those that cannot be recycled via a licensed waste disposal contractor.

**Disposal methods** Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

### SECTION 14: Transport information

**General** The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, ADR/RID).

#### 14.1. UN number

Not applicable.

#### 14.2. UN proper shipping name

Not applicable.

#### 14.3. Transport hazard class(es)

No transport warning sign required.

#### 14.4. Packing group

Not applicable.

#### 14.5. Environmental hazards

**Environmentally hazardous substance/marine pollutant**

No.

#### 14.6. Special precautions for user

Not applicable.

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

**Transport in bulk according to** Not applicable.

**Annex II of MARPOL 73/78**

**and the IBC Code**

### SECTION 15: Regulatory information

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

**EU legislation**

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) (as amended).

Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (as amended).

Commission Directive 2000/39/EC of 8 June 2000 establishing a first list of indicative occupational exposure limit values in implementation of Council Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work (as amended).

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### Guidance

EH40/2005 Workplace exposure limits  
Containing the list of workplace exposure limits for use with the Control of Substances  
Hazardous to Health Regulations 2002 (as amended)  
Health and Safety Executive

### 15.2. Chemical safety assessment

A chemical safety assessment has been carried out.

### SECTION 16: Other information

<b>Issued by</b>	Regulatory Chemist
<b>Revision date</b>	07/05/2021
<b>Revision</b>	14
<b>Supersedes date</b>	23/02/2021
<b>SDS number</b>	10403
<b>Hazard statements in full</b>	H225 Highly flammable liquid and vapour. H302 Harmful if swallowed. H304 May be fatal if swallowed and enters airways. H314 Causes severe skin burns and eye damage. H315 Causes skin irritation. H336 May cause drowsiness or dizziness. H361d Suspected of damaging the unborn child. H373 May cause damage to organs through prolonged or repeated exposure. H400 Very toxic to aquatic life. H410 Very toxic to aquatic life with long lasting effects. H412 Harmful to aquatic life with long lasting effects.

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 process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.