

**SAFETY DATA SHEET**  
**CYCLE TOILET CLEANER CONCENTRATE**  
 Produced under Regulation 1272/2008/EC and 648/2004/EC

**SECTION 1: Identification of the mixture and the company**

**1.1. Product identifier**

**Product ID:** CYCLE Toilet cleaner concentrate.

**UFI code:** TWM5-G0R6-400Q-9YCU

**1.2. Relevant identified uses of the mixture and uses advised against**

Relevant identified use: Consumer uses [SU 21] of Washing and cleaning products [PC 35]. After dilution - cleaning of toilet bowl/rim and tiles.

Uses advised against: Do not apply on marble and copper or any other acid sensitive surface.

**1.3. Manufacturer:**

Renew Technologies Hungary Kft.

Address: 1139 Budapest, Lomb u. 15., Hungary

Phone: +36 70 474 9900

email: [solutions@renewtech.co](mailto:solutions@renewtech.co)

**1.4. Emergency telephone:**

Multilingual emergency number (CareChem 24x7): Europe: +44 1235 753 654

Country	Agency	Address	Emergency phone number
Hungary	Nemzeti Népegészségügyi Központ Egészségügyi Toxicológiai Tájékoztató Szolgálat	Albert Flórián út 2-6 1097 Budapest Hungary	+36 80 20 11 99 (Opening hours: 0-24, only HU) +36 1 476 6464 (Opening hours: 0-24, from abroad as well)

**SECTION 2: Hazards identification**

**2.1 Classification of the mixture**

2.1.1. Classification according to Regulation (EC) no 1272/2008 (CLP)

Serious eye damage/irritation, Cat. 2, H319

Specific organ toxicity after single exposure, Cat. 3, H335

2.1.2. Additional information

For full text of Hazard and EU Hazard-statements: see SECTION 16

**2.2. Label elements:**

Labelling according to regulation (EC) No 1272/2008 (CLP)

Hazard pictogram



GHS07

Signal word: Warning

Hazard statement:

H319 Causes serious eye irritation

H335 May cause respiratory irritation

Precautionary statements:

P264: Wash your hands thoroughly after handling.

P280: Wear eye 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.

P337+P313: If eye irritation persists: Get medical advice.

### 2.3. Other hazards:

Mixture does not meet the criteria for vPvB and PBT according to Regulation (EC) No 1907/2006, Annex III

Mixture is not identified as having endocrine disrupting properties according to Regulation (EU) 2017/2100

If the mixture is used properly, it does not harm the environment.

The mixture is not fire and explosion hazard.

## SECTION 3: Composition data

3.1. Substances: Not applicable.

3.2. Mixtures: aqueous solution

Substance/Mixture name	EC number	% by weight	Classification according to Regulation (EC) No 1272/2008	Spec. conc. limits, M-factors and ATEs
Acetic acid, <1% aqueous solution	200-580-7	10,0-13,0	-	-
D-Glucopyranose, oligomers, decyl, octyl glycosides, aqueous solution	500-220-1	49,6-57,7	-	-
Citric acid	201-069-1	31,0-35,0	Eye Irrit. 2, H319 STOT SE 3, H335	-
Lavender oil (Natural Oil)	616-770-1	1,0-2,0	-	-
Mentha arvensis extr.	290-058-5	0,3-0,4	-	-

For full text of Hazard and EU Hazard-statements: see SECTION 16

## SECTION 4: First aid measures

### 4.1. Description of first aid measures:

**In case of eye contact:** In case of contact with the eyes, rinse immediately with water. If using contact lenses, remove them and continue rinsing. If irritation persists contact physician.

**In case of skin contact:** In case of contact with the skin, rinse immediately with water.

**In case of ingestion:** Never give an unconscious person anything by mouth. The injured person should drink as much water as she/he can.

**In case of inhalation:** Ensure adequate ventilation and/or move to fresh air.

**Self protection for first aiders:** see section 6.

**4.2. Most important - acute and delayed - symptoms and effects:** Causes serious eye irritation.

**4.3. The immediate medical attention and special treatment:** No further information available. Note to physician: treat according to symptoms.

## SECTION 5: Fire-fighting measures

### 5.1. Extinguishing agent:

Suitable extinguishing media: carbon dioxide, sand, water spray for large fires, firefighting foam.

Unsuitable extinguishing media: Not known.

**5.2. Special hazards arising from the substance or mixture:** Not known.

**5.3. Advice for fire-fighters:** Appropriate protective clothing for fire-fighting and fresh air breathing apparatus must be worn in accordance with fire safety regulations, European standard EN469.

## SECTION 6: Accidental release measures

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

#### 6.1.1. For non-emergency personnel

Protective equipment: see Section 8

Emergency procedures: Ensure adequate ventilation. Be aware of the risk of slipping. Evacuate people to safe areas.

Avoid contact with eyes.

#### 6.1.2. For emergency responders

Protective equipment: see section 8

Emergency procedures: Use of appropriate breathing apparatus when there is inadequate ventilation. Be aware of the risk of slipping. Use appropriate eye protection.

### 6.2. Environmental precautions

Large amounts of spillage materials should not get into the sewage system, water bodies.

### 6.3. Containment and cleaning up methods and materials

Large spills should be neutralized with water. Absorbent material (eg. cloth, fleece) should be used for wiping.

A small amount of product must be removed according to the usual cleaning procedure.

**6.4. Reference to other sections:** See Section 7. for handling and storage information. For personal protection see Section 8. Waste management information, see Section 13.

## SECTION 7: Handling and storage

**7.1. Precautions for safe handling:** Contact with eyes should be avoided. Wash hands after use. Ensure adequate ventilation.

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

Technical measures and storage conditions: Store between 10-30°C. Do not expose it to direct heat or sunlight. Keep out of reach of children!

Packaging materials: Always use the original labelled packaging.

Requirements for storage rooms and vessels: No restrictions on storage together with other products.

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

Cleaner concentrate, 10-fold dilution must be carried out before use for every day cleaning purposes.

**SECTION 8: Exposure controls/personal protection****8.1. Control parameters**

Occupational exposure limits:

does not apply

**8.2. Exposure controls**

Respiratory protection:	Ensure adequate ventilation when diluting the mixture.
Hand protection:	Use protective gloves when diluting the mixture.
Eye protection:	Use eye protection when diluting the mixture.
Hygiene measures:	Handle according to good industrial hygiene and safety practice. Wash hands after diluting the mixture.
Environmental exposure:	Does not harm the environment under intended use, transport and storage.

**SECTION 9: Physical and chemical properties****9.1. Information on basic physical and chemical properties:**

Physical state:	liquid
Colour:	white to yellow transparent
Odour:	flowery with acidic notes
Melting point/freezing point:	no data
Boiling point or initial boiling point and boiling range:	no data
Flammability:	aqueous solution, not flammable
Lower and upper explosion limit:	aqueous solution, not explosive
Flash point:	no data
Auto-ignition temperature:	aqueous solution, mixture is not self igniting
Decomposition temperature:	not applicable, mixture is not self-reactive
pH:	1,6-2,0
Kinematic viscosity:	no data
Solubility:	water dispersible
Partition coefficient n-octanol/water (log value):	no data
Vapour pressure:	no data
Density and/or relative density:	1.185 g/cm <sup>3</sup> (at room temperature)
Relative vapour density:	no data
Particle characteristics:	not applicable

**9.2. Other information:**

May be corrosive to acid sensitive surfaces.

**SECTION 10: Stability and reactivity**

**10.1. Reactivity:** The mixture is not reactive.

**10.2. Chemical stability:** Stable under recommended storage conditions.

- 10.3. Possibility of hazardous reactions:** No dangerous reactions known.
- 10.4. Conditions to avoid:** Direct sunlight, high temperatures and frost.
- 10.5. Incompatible materials:** No further relevant information available.
- 10.6. Hazardous decomposition products:** If used properly, no hazardous decomposition products are formed.

## SECTION 11: Toxicological information

**11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008:** Product toxicology studies have not been performed, toxicological assessment made solely on the basis of data on the individual components.

<b>Acute toxicity:</b>	Based on available data, the classification criteria are not met.
<b>Skin corrosion/irritation:</b>	Based on available data, the classification criteria are not met.
<b>Serious eye damage/irritation:</b>	Causes serious eye irritation. May cause respiratory irritation.
<b>Respiratory or skin sensitization:</b>	Based on available data, the classification criteria are not met.
<b>Germ cell mutagenicity:</b>	Based on available data, the classification criteria are not met.
<b>Carcinogenicity:</b>	Based on available data, the classification criteria are not met.
<b>Reproductive toxicity:</b>	Based on available data, the classification criteria are not met.
<b>Summary of evaluation of the CMR properties:</b>	Based on available data, the classification criteria are not met.
<b>STOT-single exposure:</b>	Based on available data, the classification criteria are not met.
<b>STOT-repeated exposure:</b>	Based on available data, the classification criteria are not met.
<b>Aspiration hazard:</b>	Based on available data, the classification criteria are not met.

### 11.1.1. The toxicity data of the ingredients:

Ingredient	Acute toxicity, oral (mg/ttkg)	Acute toxicity, dermal (mg/ttkg)	Acute toxicity, inhalation (mg/l)
Citric acid	5400 <sup>1</sup>	>2000 <sup>1</sup>	75 <sup>1</sup>

<sup>1</sup> derived from MSDS

#### Citric acid:

Acute toxicity:	LD50 >2000 mg/kg (mouse, dermal), LD50 5400 mg/kg (mouse, oral)
Skin corrosion/irritation:	Slightly irritative
Serious eye damage/irritation:	Causes serious eye irritation.
Respiratory or skin sensitization:	Not known.
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.
Other information:	Inhaled dust can irritate the respiratory tract without an acute toxic effect, if swallowed in large quantities it can cause coughing, stomach irritation and pain

## SECTION 12: Ecological information

**12.1. Toxicity:** Product ecological toxicology studies have not been performed, ecotoxicological assessment made solely on the basis of data on the individual components.

Ingredient	EC50 (mg/l)	LC50 (mg/l)	PNEC (mg/l)
Citric acid	n.d.	440 <sup>1</sup>	-

<sup>1</sup> derived from MSDS

<sup>2</sup> derived from ECHA database

**Citric acid:**

Toxicity: LC50 440 mg/l (fish, 48 h), 1535 mg/l (Daphnia magna, 24 h)  
 Other information: NOEC: 425 mg/l (algae, 8 d)  
 Persistence and degradability: Biodegradable  
 Bioaccumulation potential: Not bioaccumulative.  
 Mobility in soil: No data  
 Results of PBT and vPvB assessments: Substance is not pBT or vPvB  
 Other adverse effects: Not known

**12.2. Persistence and degradability:** Mixture is completely biodegradable

**12.3. Bioaccumulation potential:** Mixture bioaccumulation is unlikely.

**12.4. Mobility in soil:** No data

**12.5. Results of PBT and vPvB assessments:** This mixture does not contain any substances that are assessed to be PBT or vPvB.

**12.6. Endocrine disrupting properties:** This mixture does not contain any substances that are assessed to be endocrine disruptors.

**12.7. Other diverse effects:** No data

**SECTION 13: Disposal considerations**

**13.1. Waste treatment methods:** The product residues and packaging wastes must be treated according to the national regulations of your country.

**SECTION 14: Transport Information**

The product is according to the control of international transport of dangerous goods agreements (ADR/RID, IMDG, IATA/ICAO): **NOT DANGEROUS.**

**SECTION 15: Regulatory information**

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

**Relevant European Community legislation:**

**CLP Decree:** 1272/2008/EC and its amendments; **REACH Decree:** 1907/2006/EC and its amendments;

**Detergent Decree:** 648/2004/EC and its amendments

**Occupational exposure limits:** 91/322/EC Decree and its modification; 2000/39/EC Directive and its amendments

**Workplace safety:** 1993. évi XCIII. Act on occupational safety and health; 25/2000. (IX.30.) EüM-SzCsM Decree about the chemical safety of workplaces; 33/1998. (VI.24.) NM Decree on medical examination and opinion about job and personal hygiene adequacy; 3/2002. (II.8.) SzCsM-EüM Decree on the minimum health and safety requirements in workplaces.

**Chemical Safety:** 2000. évi XXV. Act on chemical safety and its amendments, certain proceedings related to hazardous materials and hazardous products furthermore the related activities are regulated in 44/2000. (XII.27.) EüM Decree and its amendments.

**Environment:** 1995. évi LIII. Act on the general rules of environmental protection; 2012. évi CLXXXV. Act on wastes; 98/2001. (VI.15.) Government Decree on activities related to hazardous waste; 72/2013. (VIII.27.) VM Decree on list of waste

**Fire protection:** 1996. évi XXXI. Act on fire protection, the technical rescue and fire departments; 54/2014. (XII.5.) BM Decree on National Fire Protection Regulations

**15.2. Chemical safety assessment:** No Chemical Safety Assessment has been performed for the mixture.

**SECTION 16: Other information**

**i. Indication of changes:**

<i>Version number</i>	<i>Changes</i>	<i>Date</i>
v5	Update according to Regulation (EC) No 1272/2008, consolidated 17/12/2022 and its amendments: -citric acid toxicological information and mixture re-evaluation, re-classification -labelling information modification -UFI code added	2022.12.17.

**ii. Abbreviations and acronyms:**

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

STOT SE 3: Specific organ toxicity – single use, category 3

PNEC: Predicted No-Effect Concentration (REACH)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

EC50: Effective concentration, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

**iii. Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]**

<i>Classification for mixtures according to Regulation (EC) 1272/2008 [CLP]</i>	<i>Classification procedure</i>
Serious eye damage/irritation, Cat. 2, H319	Calculation method
Specific organ toxicity after single exposure, Cat. 3, H335	Calculation method

**iv. Relevant H-statements:**

*H-phrases of the mixture:*

H 319: Causes serious eye irritation.

H 335: May cause respiratory irritation.

*H-phrases used in the safety data sheet of ingredients in Chapter 3.:*

H 319: Causes serious eye irritation.

H 335: May cause respiratory irritation.

**v. Further information:**

*Department issuing SDS:* NPD

*Contact:* solutions@renewtech.co

The MSDS is valid for the delivered state of the product. The safety data sheet is only describing the product based on safety requirements and is not intended to guarantee certain properties and does not replace the product specifications.

The Material Safety Data Sheet has been compiled according to the best of our knowledge, to the basis of the material safety data sheets of ingredient manufacturers, the relevant laws, regulations and literature. The rules and regulations in force are obligatory for the users.

The user is responsible for the appropriate use of the product. The Material Safety Data Sheet does not undertake any responsibility or legal liability about the use of the product in any circumstances or the results of improper use. The circumstances of the use (handling, use, storage, disposal, etc) are beyond our competence. **Do not mix with other chemicals or detergents!**