

SAFETY DATA SHEET
CYCLE TOILET CLEANER LAVENDER-MINT 500 ml, 3000 ml, 10 l
Produced under Regulation 1272/2008/EC and 648/2004/EC

SECTION 1: Identification of the mixture and the company

1.1. Product ID: CYCLE Toilet cleaner lavender-mint

1.2. Identified use: Cleaning of tiles, toilet. Lime scale remover.

User advice: 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.

Phone: +36 70 474 9900

email: solutions@renewtech.co

1.4. Emergency telephone:

Health & Toxicology Department in your country

Company phone number in case of emergency (24/7): +36 20 920 4608

SECTION 2: Hazards identification

2.1 Classification of the mixture

2.2. Label elements:

Not a hazardous mixture.

Components: 1-10% Citric acid; 1-10% Non-ionic surfactants, <1% essential oils

Application: Apply undiluted, leave it on the surface for a few minutes, then wipe it off. Do not use on acid-sensitive surfaces (e.g. marble, copper)! In case of contact with eyes, rinse immediately with water! If using contact lenses, remove them and continue rinsing!

Storage: in original, sealed packaging, between 10-30 °C, protected from direct sunlight, out of reach of children.

Best before: 3 years from production. See the date of production on the bottle.

2.3. Other hazards:

PBT: None

vPvB: None

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. Mixture:

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

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.

In case of skin contact: No need for special emergency measures.

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

4.2. Most important - acute and delayed - symptoms and effects: Not considered to be hazardous.

4.3. The immediate medical attention and special treatment: No need for special treatment. **Note to Physician:** Treat according to symptoms.

SECTION 5: Fire-fighting measures

5.1. Extinguishing agent: Normal extinguishing agents used: carbon dioxide, sand, water spray for large fires, firefighting foam.

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

5.3. Advice for fire-fighters: Not known.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

For non-emergency personnel: Use personal protection (see in Section 8.)

For emergency responders: Use proper personal protection (see in Section 8.)

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

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 and ingestion should be avoided.

7.2. Conditions for safe storage, including any incompatibilities: The product must be stored between 10-30°C. Do not expose it to direct heat or sunlight. No restrictions on storage together with other products. Keep out of reach of children! Always use the original labelled packaging.

7.3. Product use: Cleaning of tiles, toilet. Lime scale remover.

SECTION 8: Exposure controls/personal protection

8.1. control parameters

No occupational exposure limit for ingredients.

8.2. Exposure monitoring

Respiratory protection:	No special requirements
Hand protection:	No special requirements
Eye protection:	No special requirements
Skin and body protection:	No special requirements
Hygiene measures:	Handle according to good industrial hygiene and safety practice. Wash hands before breaks and after work.
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:

General Information

Appearance (physical state):	liquid
Colour:	seethrough, opalesque
Smell:	flowery, with acidic notes

Important health, safety and environment related information:

pH:	2,0-2,5
Melting point/range:	no data
Boiling point:	no data
Inflammation point:	no data
Flash point:	no data
Flammability:	not flammable
Explosion hazard:	not explosive
Explosion limits:	no data
Decomposition temperature:	no data
Pour point:	no data
Relative density:	1.0-1.1 g/cm ³ (at room temperature)
Water solubility:	soluble in water
Viscosity:	water-like
Oxidizing properties:	no data, not typical

9.2. Other information: no data, not typical or not available

SECTION 10: Stability and reactivity

- 10.1. Reactivity:** The mixture is not reactive.
- 10.2. Chemical stability:** At room temperature and normal pressure conditions the mixture is chemically stable.
- 10.3. Possibility of hazardous reactions:** If used properly, no dangerous reaction takes place.
- 10.4. Conditions to avoid:** Direct sunlight, high temperatures and frost.
- 10.5. Incompatible materials:** Not known.
- 10.6. Hazardous decomposition products:** If used properly, no hazardous decomposition products are formed.

SECTION 11: Toxicological information

11.1. Information on toxicological effects: Product toxicology studies have not been performed, toxicological assessment made solely on the basis of data on the individual components.

11.1.1. The toxicity data of the ingredients:

Name	Acute toxicity, oral (mg/ttkg)	Acute toxicity, dermal (mg/ttkg)	Acute toxicity, inhalation (mg/l)
Citric acid	5400 ¹	>2000 ¹	75 ²
D-Glucopyranose, oligomers, decyl octyl glycosides	>2000 ¹	2000 ²	n.d.
Lavender oil	>2000 ¹	>2000 ¹	20 ¹
Mint oil	>2000 ¹	>5000 ²	n.d.

¹ derived from MSDS

² derived from ECHA database

11.1.2. The symptoms after the exposure of the mixture:

- Inhalation:** Not known.
- Ingestion:** Not known.
- Skin irritation:** Not known.
- Eye irritation:** Not known.
- Sensitivity:** Not known.
- Sensitization:** Not known
- Repeated/prolonged exposure:** Not known
- Carcinogenicity:** Not known.
- Mutagenesis:** Not known

SECTION 12: Ecological information

12.1. Toxicity: Tests have not been performed. The classification and concentration of the ingredients were determined according to the CLP Regulation requirements and on the basis of toxicological data.

Name	EC50 (mg/l)	LC50 (mg/l)	PNEC (g/l)
Citric acid	n.d.	440 ¹	no hazard ²
D-Glucopyranose, oligomers, decyl octyl glycosides	>100 ²	126 ²	0,176 ²
Lavender Oil	n.d.	n.d.	0,024 ²
Mint Oil	n.d.	n.d.	n.d.

¹ derived from MSDS

² derived from ECHA database

- 12.2. Stability and degradability:** biodegradable
- 12.3. Bioaccumulation potential:** no data
- 12.4. Mobility in soil:** it has good solubility and low adsorption capacity in soil.
- 12.5. PBT assessments:** not PBT or vPvB
- 12.6. Other adverse effects:** no data.

SECTION 13: Disposal considerations

13.1. Waste treatment methods: The product residues and 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

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.

H-phrases of the mixture: None.

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

H 335: May cause respiratory irritation.

H 319: Causes serious eye irritation.

Do not mix with other chemicals or detergents!