

**SAFETY DATA SHEET**  
**CYCLE GLASS CLEANER CONCENTRATE 50 ml, 500 ml**  
Produced under Regulation 1272/2008/EC and 648/2004/EC

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

**1.1. Product ID:** CYCLE Glass cleaner concentrate

**1.2. Identified use:** After dilution - cleaning of glass and mirror surfaces.

**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](mailto:solutions@renewtech.co)

**1.4. Emergency telephone:** Health & Toxicology Department in your country

**SECTION 2: Hazards identification**

**2.1 Classification of the mixture**

Not a hazardous mixture.

**2.2. Label elements:**

Components: 1-10% Non-ionic surfactants, <1% Acetic acid; <1% Benzyl alcohol.

Preparation: Fill your previously used Cycle bottle with 450 ml water. Add the 50 ml concentrate and shake well before use.

Application: Spray the previously diluted CYCLE Glass cleaner concentrate on glass and mirror surfaces, let it stay for a couple of minutes and wipe it off with a cotton cloth for streak free effect. Do not use on any acid sensitive surfaces (e.g. marble, copper). In case of contact with the 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.

**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:**

Ingredients	Identification		Weight
Acetic acid	CAS szám EU szám	64-19-7 200-580-7	<1%
Decyl glucoside	CAS szám EU szám	54549-25-6 259-218-1	1-10%
C8 Alkylglucoside	CAS szám EU szám	- 414-420-0	1-10%
Benzyl alcohol	CAS szám EU szám	100-51-6 202-859-9	<1%

#### 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:** After dilution - cleaning of glass and mirror surfaces.

**SECTION 8: Exposure controls/personal protection**

**8.1. control parameters**

Occupational exposure limits for acetic acid:

TWA: 25 mg/m<sup>3</sup>

No occupational exposure limit for other 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: 3-3,5
- 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: 1.025 g/cm<sup>3</sup> (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:

Ingredient	Acute toxicity, oral (mg/ttkg)	Acute toxicity, dermal (mg/ttkg)	Acute toxicity, inhalation (mg/l)
Decyl glucoside	>5000 <sup>1</sup>	>2000 <sup>2</sup>	n.d.
C8 alkylglucoside	>2000-5000 <sup>1</sup>	>5000 <sup>1</sup>	n.d.
Acetic acid	3310 <sup>2</sup>	n.d.	>40 <sup>2</sup>
Benzyl alcohol	1580 <sup>1</sup>	>2000 <sup>1</sup>	>4178 <sup>1</sup>

<sup>1</sup> derived from MSDS

<sup>2</sup> 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.

Alapanyag neve	EC50 (mg/l)	LC50 (mg/l)	PNEC (mg/l)
Decyl glucoside	>1-10 <sup>1</sup>	>1-10 <sup>1</sup>	0,176 <sup>2</sup>
C8 alkylglucoside	>1-10 <sup>1</sup>	>1-10 <sup>1</sup>	0,176 <sup>2</sup>
Acetic acid	n.d.	n.d.	3,058 <sup>2</sup>
Benzyl alcohol	230 <sup>1</sup>	460 <sup>1</sup>	2,3 <sup>2</sup>

<sup>1</sup> derived from MSDS

<sup>2</sup> 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 315: Causes skin irritation.

H 317: May cause an allergic skin reaction.

H 318: Causes serious eye damage.

H 319: Causes serious eye irritation.

**Do not mix with other chemicals or detergents!**