

SAFETY DATA SHEET

according to regulation (EC) No 1907/2006 (REACH) and 1272/2008/EC



Trade name: **Cleaneco Machine Rinse Aid Super Concentrate**

Version: 1

Date of issue: 27. 10. 2025

Date of revision: -

Page: 1/(12)

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

1.1. Product identifier

Cleaneco Machine Rinse Aid Super Concentrate

UFI: 0VVM-HA54-3A2V-1YSC

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

Relevant identified uses: rinse aid for dishwashers. Use by professional workers. Consumer use.

Uses advised against: application other than the above.

1.3. Details of the supplier of the safety data sheet

Distributor Details:

Bibo Franchise Kft

Nádas u. 1. sz, Dunakeszi, 2120; Hungria

Tel: +36 30 4316 385

E-mail: hello@bibo.hu

www.bibo.hu

Responsible for SDS:

Bibo Franchise Kft

Nádas u. 1. sz, Dunakeszi, 2120; Hungria

Tel: +36 30 4316 385

E-mail: hello@bibo.hu

www.bibo.hu

1.4. Emergency telephone number

Health Toxicology Information Service (1097 Budapest, Albert Flórián út 2-6.)

Tel.: +36 80 201-199 (24 hours a day, toll-free – only from Hungary)

+36 1 476 6464 (24 hours a day, standard rate – also from abroad)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Hazard Class and Category: Hazard statement:

Flam. Liq. 3

H226

Flammable liquid and vapour.

Eye Irrit. 2

H319

Causes serious eye irritation.

2.2. Label elements

Product identification: Trade name: **Cleaneco Machine Rinse Aid Super Concentrate**

Hazardous components: -

SAFETY DATA SHEET

according to regulation (EC) No 1907/2006 (REACH) and 1272/2008/EC



Trade name: **Cleaneco Machine Rinse Aid Super Concentrate**

Version: 1

Date of issue: 27. 10. 2025

Date of revision: -

Page: 2/(12)

GHS Pictogram:



Signal word:

Warning

Hazard statement:

H226 Flammable liquid and vapour.

H319 Causes serious eye irritation.

Supplemental hazard information: -

Precautionary statements – General:

P101 If medical advice is needed, have product container or label at hand.

P102 Keep out of reach of children.

Precautionary statements – Prevention:

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P280 Wear eye protection.

Precautionary statements – Response:

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/attention.

Precautionary statements – Storage: -

Precautionary statements – Disposal:

P501 Dispose of contents/container in accordance with national regulation.

Other liabilities for labelling:

Tactile Warning: not required.

Child-resistant fastening: not required.

Transport classification: see section 14.

To be displayed in accordance with the Detergents Regulation [648/2004/EC]:

Ingredients: Less than 5%: anionic surfactants.

2.3. Other hazards

Results of PBT and vPvB assessment: based on available data, the classification criteria are not met.

The product does not contain any substance with endocrine disrupting properties at 0,1 % or higher concentrations.

SAFETY DATA SHEET

according to regulation (EC) No 1907/2006 (REACH) and 1272/2008/EC



Trade name: **Cleaneco Machine Rinse Aid Super Concentrate**

Version: 1 Date of issue: 27. 10. 2025

Date of revision: -

Page: 3/(12)

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Chemical description: Mixtures of the following substances and non-hazardous substances.

Component(s) / Hazardous component(s):

Name	EC number	CAS number	Hazard classes and cat.	Hazard statements	Conc. % (m/m)
Citric acid monohydrate REACH Registr. Nr.: 01-2119457026-42	-	5949-29-1	Eye Irrit. 2 STOT SE 3	H319 H335	5-15
Propan-2-ol REACH Registr. Nr.: 01-2119457558-25	200-661-7	67-63-0	Flam. Liq. 2 Eye Irrit. 2 STOT SE 3	H225 H319 H336	5-15
Ethanol* REACH Registr. Nr.: 01-2119457610-43	200-578-6	64-17-5	Flam. Liq. 2 Eye Irrit. 2	H225 H319	5-15
Sodium cumene sulfonate REACH Registr. Nr.: 01-2119489411-37	239-854-6	15763-76-5	Eye Irrit. 2	H319	1-5

*Specific concentration limit: Eye Irrit. 2, H319; C $\geq$ 50%

The full text of each relevant H- phrase and Hazard classes and cat. see in Section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

General information: Never give anything by mouth to an unconscious person, or never induce vomiting.

Inhalation: Remove the affected person to fresh air. If rapid recovery does not occur, obtain medical attention. If unconscious, place in recovery position.

Skin contact: Remove contaminated clothing. Wash skin with large amounts of water, use soap. In case of persistent irritation, get medical attention.

Eye contact: Flush eyes with plenty of water for 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. In case of persistent irritation, get medical attention.

Ingestion: Rinse mouth thoroughly with water. DO NOT induce vomiting (foaming may cause a risk of suffocation). If you feel unwell, get prompt medical attention.

Protection of first-aid person: No data.

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

Causes serious eye irritation. May cause irritation through prolonged skin contact.

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

Treat symptomatically.

SAFETY DATA SHEET

according to regulation (EC) No 1907/2006 (REACH) and 1272/2008/EC



Trade name: **Cleaneco Machine Rinse Aid Super Concentrate**

Version: 1

Date of issue: 27. 10. 2025

Date of revision: -

Page: 4/(12)

SECTION 5: Fire-fighting measures

5.1. Extinguishing media

Suitable extinguishing media:

Carbon dioxide, dry chemical powder, water fog, foam.

Unsuitable extinguishing media:

Full water jet.

5.2. Special hazards arising from the substance or mixture

Hazardous combustion products:

On burning, carbon dioxide, carbon monoxide and other toxic fumes / gases can be formed.

5.3. Advice for fire-fighters

Special protective equipment:

According to the existing fire-fighting regulations. Respiratory protection.

Further information:

In case of fire, keep containers cool with water spray.

Collect contaminated firefighting water separately. It must not enter the sewage system.

Contaminated extinguishing water must be disposed of in accordance with official regulations.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions: see Section 8.

Keep persons not involved in rescue at a distance.

Sufficient ventilation should be provided.

Avoid contact with skin, clothing and eyes, inhalation of vapours.

Spilled material poses a slip hazard: non-slip safety shoes are required.

6.2. Environmental precautions:

Confine spills to prevent material from entering sewers, watercourses, drains and into soil

Notify relevant authority.

6.3. Methods and material for containment and cleaning up

On soil: Contain the spilled product with liquid-absorbent material (sand, diatomaceous earth). Place in properly labelled closed container. Dispose of according to local regulations.

The contaminated area should be cleaned by washing with large amounts of water.

On water: Confine the spillage. Notify local authorities according to regulations.

6.4. Reference to other sections

Personal precautions: see section 8.

Waste treatment methods: see section 13.

SAFETY DATA SHEET

according to regulation (EC) No 1907/2006 (REACH) and 1272/2008/EC



Trade name: **Cleaneco Machine Rinse Aid Super Concentrate**

Version: 1 Date of issue: 27. 10. 2025

Date of revision: -

Page: 5/(12)

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Keep general measures applied for normal operations with chemicals.
Avoid contact with skin and eyes. Avoid prolonged breathing of vapours.
Wash hands before breaks and at end of work.
Take off contaminated clothing and wash it before reuse.
When using do not eat, drink or smoke. Avoid splashing the product.
Handling temperature: no data.

7.2. Conditions for safe storage, including any incompatibilities

Storage facilities must comply with regulations for storing of flammable liquids.
Store in a well-ventilated, dry, cool place, protected from heat and direct sunlight, away from strong acids, alkalis, and oxidizing agents, in the original, sealed container.
Keep away from food, drink and feed.
Keep out of reach of children.
Storage temperature: max. no data.

7.3. Specific end use(s)

Rinse aid for dishwashers.

SECTION 8: Exposure controls / personal protection

8.1. Control parameters

Substance	CAS number	Long-term exposure limit (8-hour -TWA reference period)		Short-term exposure limit (15-minute reference period)		Comments The Carc, Sen and Sk notations are not exhaustive
		ppm	mg/m ³	ppm	mg/m ³	
<i>Propan-2-ol</i>	67-63-0	400	999	500	1250	-
<i>Ethanol</i>	64-17-5	1000	1920	-	-	-

8.2. Exposure controls

Engineering control measures:

Adequate ventilation.

Personal protection:

(a) Eye/face protection Tightly fitting safety goggles, in case of danger of getting into the eyes (EN 166).

(b) Skin protection

(i) Hand protection Protective gloves (EN 374), in case of prolonged contact with the product.

SAFETY DATA SHEET

according to regulation (EC) No 1907/2006 (REACH) and 1272/2008/EC



Trade name: **Cleaneco Machine Rinse Aid Super Concentrate**

Version: 1

Date of issue: 27. 10. 2025

Date of revision: -

Page: 6/(12)

Note: Manufacturer's directions for use and the conditions of application should be observed.

- | | |
|----------------------------|---------------------------------------|
| (ii) Other | Not required. |
| (c) Respiratory protection | Under normal conditions not required. |
| (d) Thermal hazards | No data. |

Environmental exposure controls:

Do not discharge into drains/surface waters/groundwater.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

- | | |
|--|--|
| a) Physical state: | liquid |
| b) Colour: | colourless |
| c) Odour: | alcoholic |
| d) Melting point/freezing point (Pour point): | not available |
| e) Boiling point or initial boiling point and boiling range: | <0°C |
| f) Flammability: | Flammable liquid and vapour. |
| g) Lower and upper explosion limit: | Non-explosive, but the formation of an explosive vapour/air mixture is possible. |
| h) Flash point: | >30°C |
| i) Auto-ignition temperature: | not self-igniting |
| j) Decomposition temperature: | not available |
| k) pH at 20°C:: | approx. 2.50 |
| l) Kinematic viscosity | not available |
| m) Solubility | |
| Solubility in water: | not available |
| Solubility in other solvents: | not available |
| n) Partition coefficient n-octanol/water (log value): | not available |
| o) Vapour pressure at 20°C: | not available |
| p) Density and/or relative density at 20°C: | approx. 1.00 g/cm ³ |
| q) Relative vapour density: | not available |
| r) Particle characteristics: | not available |

9.2. Other information

No data available.

SECTION 10: Stability and reactivity

10.1. Reactivity

Dangerous reactivity not known.

SAFETY DATA SHEET

according to regulation (EC) No 1907/2006 (REACH) and 1272/2008/EC



Trade name: **Cleaneco Machine Rinse Aid Super Concentrate**

Version: 1 Date of issue: 27. 10. 2025

Date of revision: -

Page: 7/(12)

10.2. Chemical stability	No decomposition if stored and handled properly.
10.3. Possibility of hazardous reactions	With strong alkalis and oxidizing agents-
10.4. Conditions to avoid	Direct sunlight, heating.
10.5. Incompatible materials	Strong alkalis and oxidizing agents-
10.6. Hazardous decomposition products	No dangerous decomposition products are formed under normal conditions. Hazardous combustion products: See Section 5.

SECTION 11: Toxicological information

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

Acute toxicity: Based on available data, the classification criteria are not met.

Components:

Citric acid monohydrate (CAS: 5949-29-1)

Oral:	LD ₅₀ (mouse)	5400 mg/kg
Dermal:	LD ₅₀ (rat)	>2000 mg/kg

Propan-2-ol (CAS: 67-63-0)

Oral:	LD ₅₀ (rat)	5280 mg/kg
Dermal:	LD ₅₀ (rabbit)	12800 mg/kg
Inhalation (vapours):	LC ₅₀ (rat)	72,6 mg/L/4 h

Ethanol (CAS: 64-17-5)

Oral:	LD ₅₀ (rat)	10470 mg/kg	(OECD 401)
Dermal:	LD ₅₀ (rabbit)	>2000 mg/kg	(OECD 402)
Inhalation (vapours):	LC ₅₀ (rat)	51 mg/L/4 h	(OECD 403)

Sodium cumene sulfonate (CAS: 15763-76-5)

Oral:	LD ₅₀ (rat)	>7000 mg/kg	(OECD 401)
Dermal:	LD ₅₀ (rabbit)	>2000 mg/kg	(OECD 402)

Skin corrosion/irritation:	Based on available data, the classification criteria are not met.
Serious eye damage/irritation:	Causes serious eye irritation.
Respiratory or skin sensitisation:	Based on available data, the classification criteria are not met.
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.
STOT-single exposure:	Based on available data, the classification criteria are not met.

SAFETY DATA SHEET

according to regulation (EC) No 1907/2006 (REACH) and 1272/2008/EC



Trade name: **Cleaneco Machine Rinse Aid Super Concentrate**

Version: 1

Date of issue: 27. 10. 2025

Date of revision: -

Page: 8/(12)

STOT-repeated exposure:

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

Aspiration hazard:

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

11.2. Information on other hazards

The product does not contain any substance with endocrine disrupting properties at 0,1 % or higher concentrations.

SECTION 12: Ecological information

12.1. Toxicity

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

Components:

Citric acid monohydrate (CAS: 5949-29-1)

Fish: LC₅₀ 440 mg/L/48 h

Aqueous invertebrates: LC₅₀ 1535 mg/L/24 h

Chronic toxicity

Aqueous invertebrates: LC₅₀ 1535 mg/L/24 h

Algae: NOEC 425 mg/L/8 d

Propan-2-ol (CAS: 67-63-0)

Fish: LC₅₀ 10 000 mg/L/96 h

Aqueous invertebrates: LC₅₀ >10 000 mg/L/24 h

Chronic toxicity

Aqueous invertebrates: LC₅₀ >10 000 mg/L/24 h

Ethanol (CAS: 64-17-5)

Fish (Pimephales promelas) LC₅₀ 15 300 mg/L/96 h

Fish (Salmo gairdneri): 11 200 mg/L/24 h

Fish (Oncorhichus mykiss) LC₅₀ 13 000 mg/L/96 h

Aqueous invertebrates (Artemia salina): EC₅₀ 858 mg/L/24 h

Daphnia (Daphnia magna): EC₅₀ 12 340 mg/L/48 h

Daphnia (Ceriodaphnia dubia): EC₅₀ 5 012 mg/L/48 h

Algae (Chlorella vulgaris): EC₅₀ 275 mg/L/72 h

Algae (Chlorella vulgaris): EC₁₀ 11,5 mg/L/72 h

Bacteria (Paramecium caudatum): EC₅₀ 5 800 mg/L/4 h

Chronic toxicity

Fish: NOEC 245 mg/L/30 d

Daphnia (Ceriodaphnia dubia): NOEC 9,6 mg/L/10 d

Crabs (Palaemonetes pugio): NOEC 79 mg/L/12 d

(OECD 203)

(OECD 202)

ASTM E 729-80

ASTM E 729-80

(OECD 201)

(OECD 201)

semi-static

static

SAFETY DATA SHEET

according to regulation (EC) No 1907/2006 (REACH) and 1272/2008/EC



Trade name: **Cleaneco Machine Rinse Aid Super Concentrate**

Version: 1

Date of issue: 27. 10. 2025

Date of revision: -

Page: 9/(12)

Sodium cumene sulfonate (CAS: 15763-76-5)

Fish (<i>Oncorhynchus mykiss</i>):	LC ₅₀	>1 000 mg/L/96 h	static
Daphnia (<i>Daphnia magna</i>):	EC ₅₀	>1 000 mg/L/48 h	static
Algae (<i>Pseudokirchneriella subcapitata</i>):	EbC ₅₀	>230 mg/L/96 h	static
Algae (<i>Pseudokirchneriella subcapitata</i>):	NOEC	31 mg/L/96 h	static
Bacteria (activated sludge):	ErC ₅₀	>1000 mg/L/3 h	static, (OECD 209)

12.2. Persistence and degradability	No data for the product.
12.3. Bioaccumulative potential	No data for the product.
12.4. Mobility in soil	No data available.
12.5. Results of PBT and vPvB assessment	Based on available data, the classification criteria are not met.
12.6. Endocrine disrupting properties	The product does not contain any substance with endocrine disrupting properties at 0,1 % or higher concentrations.
12.7. Other adverse effects	Do not allow to enter sewers, surface water or ground water.
Water hazard class (German):	WGK 2 (self-classification)

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Product disposal:

Wastes of the product or used oil should be treated as hazardous waste.

Waste Identification Code: 20 01 29*

Detergents containing hazardous substances

Disposal must be in compliance with national and local regulations.

Packaging disposal:

Containers with product residue should also be treated as hazardous waste according to national and local disposal regulations.

Waste identification code: 15 01 10*

Packaging containing residues of or contaminated by hazardous substances.

Waste identification code: 15 01 02

Plastic packaging waste.

Disposal must be in compliance with national and local regulations.

SAFETY DATA SHEET

according to regulation (EC) No 1907/2006 (REACH) and 1272/2008/EC



Trade name: **Cleaneco Machine Rinse Aid Super Concentrate**

Version: 1

Date of issue: 27. 10. 2025

Date of revision: -

Page: 10/(12)

Wastewater:

Quality of wastewater emitted to natural water must comply with national and local regulations.

Care should be taken in any case to ensure compliance with EC, national and local regulations. It is the responsibility of the user to know all relevant national and local regulations.

SECTION 14: Transport information

Land transport:

Road/ Railway

ADR/RID:

14.1. UN number or ID number	1993
14.2. UN proper shipping name	FLAMMABLE LIQUID, N.O.S. (ethanol, propan-2-ol)
14.3. Transport hazard class(es)	3 (classification code: F1)
14.4. Packing group	III
14.5. Environmental hazards	not classified
14.6. Special precautions for user	
Hazard identification No.:	30
Limited and excepted quantities:	5L / E1
Transport category:	3
Tunnel restriction code:	D/E
14.7. Maritime transport in bulk according to IMO instruments	Not applicable.

SECTION 15: Regulatory information

- 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture
This safety data sheet has been prepared according to Regulation (EC) No 1907/2006 (mod.: 2020/878/EU) and to Regulation (EC) 1272/2008.
Seveso category: P5.c
- 15.2. Chemical safety assessment.
Not available.

SECTION 16: Other information

The information given in this data sheet is based on our best knowledge at the time of publication. The information is related only to this product and is intended to assist its safe transport, handling and use. The given physical and chemical parameters describe the product only for the purpose of safety requirements and therefore should not be construed as guaranteeing any specific property of the product or as being part of a product specification or any contract.

SAFETY DATA SHEET

according to regulation (EC) No 1907/2006 (REACH) and 1272/2008/EC



Trade name: **Cleaneco Machine Rinse Aid Super Concentrate**

Version: 1

Date of issue: 27. 10. 2025

Date of revision: -

Page: 11/(12)

The manufacturer or supplier shall not take responsibility for any damages from the use other than recommended or other misuse of the product. It is the responsibility of the user to keep regulatory precautions and observe recommendations for safe use of the product.

Classification for mixtures and used evaluation method according to regulation (EC) 1272/2008 (CLP)

Flam. Liq. 3	H226	flashpoint test
Eye Irrit. 2	H319	calculated

The full text of each relevant H- phrase and Hazard classes and cat. in Section 3.:

H225	Highly flammable liquid and vapour.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness

Flam. Liq. 2	Flammable liquid Category 2
Eye Irrit. 2	Serious eye damage/eye irritation Category 2
STOT SE 3	Specific target organ toxicity — single exposure Category 3

Legend:

ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
ATE	Acute Toxicity Estimate
BCF	Bioconcentration Factor
BOD	Biological Oxygen Demand
Bw	Body Weight
C&L	Classification and Labelling
CAS	Chemical Abstracts Service
CLP	Classification, Labelling and Packaging
CMR	Carcinogenic, Mutagenic or toxic to Reproduction
COD	Chemical Oxygen Demand
CSA	Chemical Safety Assessment
CSR	Chemical Safety Report
DMEL	Derived Minimal Effect Level
DNEL	Derived No Effect Level
ECHA	European Chemicals Agency
Ec _x	Effective Concentration x%
ErC ₅₀	EC ₅₀ in terms of reduction of growth rate

SAFETY DATA SHEET

according to regulation (EC) No 1907/2006 (REACH) and 1272/2008/EC



Trade name: **Cleaneco Machine Rinse Aid Super Concentrate**

Version: 1

Date of issue: 27. 10. 2025

Date of revision: -

Page: 12/(12)

Edx	Effective Dose x%
EC	European Community
EC number	European Community number
ELINCS	European List of Notified Chemical Substances
ES	Exposure Scenario
IARC	International Agency for Research on Cancer
IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods
LCx	Lethal Concentration x%
LDx	Lethal Dose x%
LOAEC	Lowest Observed Adverse Effect Concentration
LOAEL	Lowest Observed Adverse Effect Level
LOEC	Lowest Observed Effect Concentration
LOEL	Lowest Observed Effect Level
NOEC	No observed effect concentration
NOEL	No observed effect level
NLP	No-Longer Polymer
NOAEL	No Observed Adverse Effect Level
OECD	Organisation for Economic Cooperation and Development
PBT	Persistent Bioaccumulative and Toxic
PNEC	Predicted No-Effect Concentration
ppm	parts/million
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals
RID	Regulations concerning the International carriage of Dangerous Goods by Rail
SVHC	Substance of Very High Concern
UVCB	substance of unknown or variable composition, complex reaction products or biological materials
VOC	Volatile organic compounds
vPvB	Very Persistent and very Bio-accumulative

Revision Indicators:

Section	Subject of change	Date	Version