



SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006
(amended by Regulation (EU) 2020/878)

Tchibo Milk System Cleaner

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

1.1. Product identifier

Product name	Tchibo Milk System Cleaner
Synonyms	Tchibo Milchsysteem-Reiniger
Product code	70018-6R
Unique formula identifier (UFI)	PP4J-D0G7-E200-C16R

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

Use of the Substance/Mixture	Cleaning agent
Uses advised against	The product (mixture) should not be used in combination with other cleaning/descaling agents.

1.3. Details of the supplier of the safety data sheet

Company/Undertaking Identification	Düring AG Langwiesenstrasse 1 CH-8108 Dällikon Telefon +41 44 847 27 49 www.duringag.ch www.durgol.com Distributor/Importer (EU): Düring trade GmbH Bösendorferstrasse 7 AT-1010 Wien
1.4. Emergency telephone number	Tox Info Suisse: 145 (international +41 44 251 51 51)
Revision date	14.11.2025
Version	23

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008

Skin corrosion/irritation, Cat. 1C, H314
Serious eye damage/eye irritation, Cat. 1, H318

Additional information

For the full text of the phrases mentioned in this Section, see Section 16.

2.2. Label elements



Signal Word

Danger

Hazard Statements

H314: Causes severe skin burns and eye damage.

Precautionary statements

P102: Keep out of reach of children.
P280: Wear protective gloves, protective clothing, eye protection and face protection.
P301+P330+P331: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310: Immediately call a POISON CENTER or doctor/physician.
P501: Dispose of contents/ container to an approved waste disposal plant.

Supplemental information

EUH071: Corrosive to the respiratory tract.

Product identifier

L-(+)-lactic acid; (2S)-2-hydroxypropanoic acid, CAS-No. 79-33-4, EC-No. 201-196-2

Packaging

Child resistant fastenings (EN 862).
Tactile warning of danger (EN/ISO 11683).

2.3. Other hazards

None known.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Components	Weight %	CLP Classification	Product identifier
L-(+)-lactic acid; (2S)-2-hydroxypropanoic acid	<40%	Skin Corr. 1C H314, Eye Dam. 1 H318, EUH071	CAS-No.: 79-33-4 EC-No.: 201-196-2 Index-No: 607-743-00-5

For the full text of the phrases mentioned in this Section, see Section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation	Not hazardous by inhalation.
Skin contact	Remove contaminated clothing and shoes. Wash off immediately with plenty of water.
Eye contact	Protect unharmed eye. Consult an ophthalmologist. Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.
Ingestion	Clean mouth with water and drink afterwards plenty of water. Prevent vomiting if possible. If swallowed, seek medical advice immediately and show this container or label.

4.2. Most important symptoms and effects, both acute and delayed	Causes severe burns. Anticipated acute effects: Superficial burning sensation. Blurred vision.
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4.3. Indication of any immediate medical attention and special treatment needed	None known.
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SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry extinguishing agent or carbon dioxide.
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Unsuitable extinguishing media	High volume water jet.
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5.2. Special hazards arising from the substance or mixture	During a fire, smoke may contain the original material in addition to unidentified toxic and/or irritating compounds. Collect contaminated fire extinguishing water separately. This must not be discharged into drains.
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5.3. Advice for firefighters

Special protective equipment for firefighters	Standard procedure for chemical fires. In the event of fire, wear self-contained breathing apparatus. Complete suit protecting against chemicals.
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Specific methods	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
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SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

For non-emergency personnel	Avoid contact with skin and eyes. Use personal protective equipment.
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For emergency responders	Use personal protective equipment.
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6.2. Environmental precautions	Contain spillage, and then collect with non-combustible absorbent material, (e.g. universal binder, sand, diatomaceous earth, vermiculite).
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6.3. Methods and material for containment and cleaning up	Soak up with inert absorbent material. Keep in suitable and closed containers for disposal (Plastic container of HDPE). Neutralise with Lye.
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6.4. Reference to other sections	See chapter 8 and 13.
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SECTION 7: Handling and storage

7.1. Precautions for safe handling	Ingestion, exposure to skin and eyes and inhalation of any generated vapours should be avoided. Plan first aid action before beginning work with this product. Wear personal protective equipment.
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7.2. Conditions for safe storage, including any incompatibilities	Store in a place accessible by authorized persons only. Keep container tightly closed. Store in original container.
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7.3. Specific end use(s)	No information available.
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SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure limit(s)	No data is available on the product itself.
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8.2. Exposure controls

Appropriate engineering controls	Ensure adequate ventilation, especially in confined areas. Handle in accordance with good industrial hygiene and safety practice. Regular cleaning of equipment, work area and clothing.
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Personal protection equipment

<i>Respiratory protection</i>	No special protective equipment required.
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<i>Hand protection</i>	The selected protective gloves have to satisfy the specifications of Regulation (EU) No. 2016/425 and the standard EN 374 derived from it.
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<i>Eye protection</i>	Safety glasses.
<i>Skin and body protection</i>	Long sleeved clothing. Choose body protection according to the amount and concentration of the dangerous substance at the work place.
<i>Thermal hazards</i>	No special measures required.
Environmental exposure controls	No special measures required.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	Liquid.
Colour	Colourless.
Odour	Scented
Melting point/ freezing point:	0 °C - 100 °C
Boiling point or initial boiling point / range:	100 °C
Flammability:	Not determined.
Lower and upper explosion limit:	None.
Flash point:	does not ignite
Auto-ignition temperature:	None.
Decomposition temperature:	Not determined.
pH:	< 1
Kinematic viscosity:	Not determined.
Solubility:	completely soluble (Water)
Partition coefficient n-octanol/water (log value):	Not determined.
Vapour pressure:	Not determined.
Density and/or relative density:	1.06
Relative vapour density:	Not determined.
Particle characteristics:	Not applicable.

9.2. Other information

9.2.1 Information with regard to physical hazard classes	No information available.
9.2.2 Other safety characteristics	No information available.

SECTION 10: Stability and reactivity

10.1. Reactivity	Reacts with strong oxidizing agents and alkalis, generating heat. Reacts with carbonates to form carbon dioxide.
10.2. Chemical stability	No decomposition if used as directed.
10.3. Possibility of hazardous reactions	No information available.
10.4. Conditions to avoid	Not required.

10.5. Incompatible materials	Incompatible with strong bases and oxidizing agents.
10.6. Hazardous decomposition products	None reasonably foreseeable.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity	L-(+)-lactic acid; (2S)-2-hydroxypropanoic acid (CAS 79-33-4) Dermal LD50 Rabbit > 2000 mg/kg (NICNAS) Inhalation LC50 Rat > 7.94 mg/L 4 h(AICIS) Oral LD50 Rat = 3543 mg/kg (ECHA) Oral LD50 Rat = 4396 mg/kg (ECHA)
Skin corrosion/irritation	Causes severe burns.
Serious eye damage/eye irritation	Causes serious eye damage.
Respiratory or skin sensitisation	None.
Carcinogenicity	Based on available data, the classification criteria are not met.
Germ cell mutagenicity	Based on available data, the classification criteria are not met.
Reproductive toxicity	Based on available data, the classification criteria are not met.
Specific target organ toxicity - Single exposure	No data available.
Specific target organ toxicity - Repeated exposure	No data available.
Aspiration hazard	No data available.
Human experience	No data available.

11.2. Information on other hazards

Symptoms related to the physical, chemical and toxicological characteristics	Causes severe burns.
Endocrine disrupting properties	No data available.
Other information	No data available.

SECTION 12: Ecological information

12.1. Toxicity	May change pH of waters.
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L-(+)-lactic acid; (2S)-2-hydroxypropanoic acid (CAS 79-33-4)

EU - Ecolabel (66/2010) - Detergent Ingredient Database - Aerobic Degradation	"Readily biodegradable according to OECD guidelines." As Lactic acid [50-21-5]
EU - Ecolabel (66/2010) - Detergent Ingredient Database - Anaerobic Degradation	"Biodegradable under anaerobic conditions. (DID numbers in revision version 2023 are different from original DID numbers in this list)" As Lactic acid [50-21-5]
Ecotoxicity - Freshwater Fish - Acute Toxicity Data	LC50 96 h Brachydanio rerio 320 mg/L [semi-static] (IUCLID) LC50 96 h Lepomis macrochirus 100 - 180 mg/L [static] (EPA) LC50 96 h Oncorhynchus mykiss 100 - 180 mg/L [static] (EPA)
Ecotoxicity - Water Flea - Acute Toxicity Data	EC50 48 h Daphnia magna 240 mg/L (IUCLID) EC50 48 h Daphnia magna 180 - 320 mg/L [Static] (EPA)
12.2. Persistence and degradability	Neutralization is normally necessary before waste water is discharged into water treatment plants.
12.3. Bioaccumulative potential	Bioaccumulation is unlikely.
12.4. Mobility in soil	No data available.
12.5. Results of PBT and vPvB assessment	This preparation contains no substance considered to be persistent, bioaccumulating nor toxic (PBT).
12.6. Endocrine disrupting properties	No information available.
12.7. Other adverse effects	No information available.

SECTION 13: Disposal considerations**13.1. Waste treatment methods**

Waste from residues / unused products	Dispose of in accordance with local regulations. 060106 - other acids
Contaminated packaging	Dispose of as unused product.

SECTION 14: Transport information

14.1. UN number or ID number	Not applicable.
14.2. UN proper shipping name	Not applicable.
14.3. Transport hazard class(es)	Not applicable.
14.4. Packing group	Not applicable.
14.5. Environmental hazards	Not applicable.
14.6. Special precautions for user	Not applicable.

14.7. Maritime transport in bulk according to IMO instruments Not applicable.

UN Model Regulations

ADR/RID Not regulated.

IMDG Not regulated.

IATA Not regulated.

Further Information None.

SECTION 15: Regulatory information

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

Regulatory Information The product is classified and labelled according to Regulation (EC) No. 1272/2008.
Storage class 8.

L-(+)-lactic acid; (2S)-2-hydroxypropanoic acid (CAS 79-33-4)

Switzerland - Biocides - Annex II - 95.5 w/w% Sunset Date: 06/30/2027 (new active substance)

Active Substances - Minimum >=955 g/kg Sunset Date: 04/30/2029 (dry weight)

Purity >=955 g/kg Sunset Date: 10/31/2033 (dry weight)

Switzerland - Biocides - Annex II - Product Type: 1 (new substance)

Active Substances - Product Type Product Type: 2 (new substance)

Product Type: 3 (new substance)

Product Type: 4 (new substance)

Product Type: 6

Switzerland - Chemical Risk Reduction Ordinance - Prohibited and Restricted Substances "Use restricted. See annex 2.12 in the regulation (in liquid phase or solution)" As Acids [RR-08658-8]

EU - Biocides (1062/2014) - Annex II Part 1 - Supported Substances 071 Product type 6 (201-196-2)

EU - Biocides (2007/565/EC) - Substances and Product-Types Not to Be Included in Annexes I, IA and IB to Directive 98/8/EC Product type: 20

EU - Biocides (528/2012) - Annex I - Active Substances - Simplified Procedure "Category 1 (E 270 Product Assessment Report of a Biocidal Product for Simplified Procedure for Case Number in R4BP: BC-KQ030208-32, [200-018-0])" As Lactic acid [50-21-5]

EU - Biocides (528/2012/EU) - Active Substances 1 - Human hygiene (Commission Implementing Regulation 2016/2291/EU, listed under also Lactic acid based products - CID LINES NV)

2 - Disinfectants and algacides not intended for direct application to humans or animals (Commission Implementing Regulation 2017/2002/EU)

Commission Implementing Regulation 2022/2108/EU

Commission Implementing Regulation 2023/1458/EU

Commission Implementing Regulation 2024/2205/EU

Commission Implementing Regulation 2024/2651/EU

Commission Implementing Regulation 2025/2851/EU, listed under also Lactic acid based products - CID LINES NV

Ecolab UA Lactic acid single product dossier

Colgate-Palmolive Lactic acid PT 2

	biocidal product family SALVECO SALVESAFE PRODUCTS Taski-Room Care-Suma Family) 3 - Veterinary hygiene (Commission Implementing Regulation 2022/1391/EU Commission Implementing Regulation 2024/2651/EU Commission Implementing Regulation 2024/2863/EU Commission Implementing Regulation 2025/2851/EU Commission Implementing Regulation 2025/523/EU Commission Implementing Regulation 2025/1019/EU Commission Implementing Regulation 2025/1171/EU, listed under also Lactic acid based products - CID LINES NV biocidal product family Lactic acid Family biocidal product family SALVECO SALVESAFE PRODUCTS Taski-Room Care-Suma Family Novadan PRODHYNET Lactic acid based products) 4 - Food and feed area disinfectant (Commission Implementing Regulation 2023/1311/EU Commission Implementing Regulation 2023/1458/EU Commission Implementing Regulation 2024/2205/EU Commission Implementing Regulation 2024/2651/EU Commission Implementing Regulation 2025/2851/EU Commission Implementing Regulation 2025/523/EU, listed under also Lactic acid based products - CID LINES NV biocidal product family SALVECO SALVESAFE PRODUCTS Taski-Room Care-Suma Family) Use restricted. See entry 75.
EU - REACH (1907/2006) - Annex XVII - Restrictions on Certain Dangerous Substances	
EU - REACH (1907/2006) - List of Registered Intermediates	Present ([201-196-2])
EU - REACH (1907/2006) - List of Registered Substances	Present
Germany - Water Classification - Substances According to AwSV Classified By or Based on the VwVwS	Reg. no. 4952, hazard class 1 - slightly hazardous to water
UNEP (United Nations Environment Programme) - Basel Convention - Hazardous Wastes - Annex I	"Y34 (solid or solution, listed under Acidic solutions or acids in solid form)" As Acids [RR-08658-8]
15.2. Chemical safety assessment	Not required.

SECTION 16: Other information

Key or legend to abbreviations and acronyms	CLP: Classification according to Regulation (EC) No. 1272/2008 (GHS)
Full text of phrases referred to under sections 2 and 3	EUH071: Corrosive to the respiratory tract. H314: Causes severe skin burns and eye damage. H318: Causes serious eye damage. None.
Further information	Take notice of the directions of use on the label.

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The 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, unless specified in the text.