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MSDS & COSHH

Material Safety Data Sheet

according to Regulation (EC) No. 1907/2006 as amended by Regulation (EC) No. 2015/830

Created on: 04.11.2021
Revision date: 22.07.2022
Valid from: 22.07.2022
Version: CIdub_V.22.2_en

Print date: 22.07.2022
Replaces version: CSDdub_V.22.1_en

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1. Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Substance name, Trade name:

Caffitaly System Descaler

Decalcificante Descaler Bio

Unique Formula Identifier (UFI)

(EU) CM2J-70WQ-2203-GU76

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

Relevant identified uses: Special decalcifier

Uses advised against: The product (mixture) should not be used in combination with other cleaning / descaling products.

1.3 Details of the supplier of the safety data sheet

Manufacturer: düring ag
Street/PO Box: Brunnenwiesenstrasse 14
Country code/postal code/city: CH-8108 Dällikon
Contact for technical information: +41 44 847 27 47
Telephone: +41 44 847 27 47 Fax: +41 44 844 38 90 E-Mail: info@dueringag.ch
Distributor/importer (Europa): düring trade gmbh
Street/PO Box: Bösendorferstrasse 7
Country code/postal code/city: AT-1010 Wien

1.4 Emergency telephone number

National: Swiss Toxicological Information Centre, Zürich 145 or +41 44 251 51 51

2. Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008, Annex VII:

Skin Irrit. 2, H315 / Eye Irrit. 2, H319

2.2 Label elements

Labelling elements in accordance with Regulation (EC) No. 1272/2008, Annex VII:



Hazard symbol:

GHS07

Signal word: Warning

Hazard-determining components of labelling:

Contains: Methanesulfonic acid, Lactic acid, Glycolic acid

Hazard warnings according to CLP/GHS Regulation (EC) No. 1272/2008 (H-phrases):

Health Hazards

H315

Causes skin irritation.

H319

Causes serious eye irritation.

Safety precautions according to CLP/GHS Regulation (EC) No. 1272/2008 (P-phrases):

General

P102

Keep out of reach of children.

Reaction

P302+P352

IF ON SKIN: Wash with plenty of soap and water.

P305+P351+P338

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P332+P313

If skin irritation occurs: Get medical advice/attention.

P337+P313

If eye irritation persists: Get medical advice/attention.

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2.3 Other hazards

No

3. Composition/information on ingredients


3.1 Substances

Not applicable

3.2 Mixtures

The product is an aqueous mixture with the following hazardous ingredients.

According to the Regulation (EC) No 1272/2008 (Acid reserve - see section 9.1) the product (mixture) must be labeled as follows.

 Eye Irrit. 2, H319

 Skin Irrit. 2, H315

Name of substance: **Methanesulfonic acid**

EG-No.: 200-898-6

CAS-No.: 75-75-2


Index-No.: 607-145-00-4


REACH-Reg.-No.: 01-2119491166-34

Content: < 5%

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

According to the CLP Regulation (EC) No. 1272/2008 the pure substance (Methanesulfonic acid) has to be labeled as follows.

 Skin Corr. 1, H314
H290

 STOT SE 3; H335
Acute Tox. 4, H302+H312

Name of substance: **Lactic acid**

EG-No.: 201-196-2

CAS-No.: 79-33-4


Index-No.: -

REACH-Reg.-No.: 01-2119474164-39

Content: < 5%

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

According to the CLP Regulation (EC) No. 1272/2008 the pure substance (Lactic acid) has to be labeled as follows.

 Skin Corr. 1, H314

Name of substance: **Glycolic acid**

EG-No.: 201-180-5

CAS-No.: 79-14-1


Index-No.: -

REACH-Reg.-No.: 01-2119485579-17

Content: < 5%

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

According to the CLP Regulation (EG) No. 1272/2008 the pure substance (Glycolic acid) has to be labeled as follows.

 Skin Corr. 1, H314

 Acute Tox. 4, H332

[The wording of not in section 2. referred hazard statements are described in section 16.]

4. First aid measures

4.1 Description of first aid measures

Remove contaminated clothing immediately. If you feel unwell, consult a doctor/medical service.
Show this data sheet or the product label.

After inhalation

If vapour or mist was inhaled, breathe fresh air. In case of irritation of the respiratory system seek medical attention.

After skin contact

Wash affected skin with soap and plenty of water.

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After eye contact

Remove any contact lenses. Rinse opened eye for several minutes with plenty of water. If necessary, consult an ophthalmologist.

After ingestion

Rinse mouth thoroughly with water and drink plenty of water in small sips. Do not induce vomiting. In case of indisposition, seek medical advice.

4.2 Most important symptoms and effects, both acute and delayed

Direct contact may cause irritation of skin and mucous membranes. Toxicological effects on humans are currently unknown.

4.3 Indication of any immediate medical attention and special treatment needed

Depending on the contact, the measures specified in Section 4.1 must be respected.

5. Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media: Water spray, foam, carbon dioxide and powder

Unsuitable extinguishing media: Water spray jet

5.2 Special hazards arising from the substance or mixture

The product is not flammable. In the event of a fire the formation of sulfur oxides and carbon oxides can occur.

5.3 Advice for firefighters

Staying in hazard area only with protective clothing and a self-contained breathing apparatus. Cool endangered packagings and containers with sprayed water and, if possible, remove them out of the danger zone. Prevent the penetration of extinguishing water into surface water or groundwater.

6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Use personal protective equipment. Do not breathe vapour or mist. Ensure adequate ventilation. Avoid skin and eye contact.

6.2 Environmental precautions

Prevent the penetration of the product (mixture) in water, sewer and soil. Confine with sand or similar material. Collect product mechanically and fill it in marked container. Cover drains to prevent the entering of product into the sewerage, if necessary.

6.3 Methods and material for containment and cleaning up

Pump off large quantities of product. Take up residues with absorbent materials (sand, sawdust etc.), collect it in suitable containers and dispose it in accordance to official regulations. Dilute small spilled quantities (up to approx. 1 Liter) with much water and dispose it in the drains.

6.4 Reference to other sections

Observe protective measures in sections 7., 8. and 13.

7. Handling and storage

7.1 Precautions for safe handling

Do not leave containers open. Avoid contact with eyes and skin. Use only in well ventilated areas.

Measures to protect against fire and explosions

The product is not flammable and not explosive.

Measures to prevent dusts and aerosols

Use the product according to the application description and do not spray.

Measures to protect the environment

The product should not used undiluted to enter the environment.

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General hygiene measures

Observe the usual precautions as when handling chemicals (At work do not eat, drink or smoke).
Wash hands after use.

7.2 Conditions for safe storage, including any incompatibilities

Information about storage conditions

Store product in original container tightly closed in a cool, well ventilated place. Do not store together with medicines, foods, beverages or feedstuffs.

Requirements for storage rooms and containers

Recommended storage conditions: The product should be stored at temperatures between 5 °C to 30 °C.

Note: Increased temperatures, e.g. during transport, do not affect the product properties.

Storage class: Not applicable since the product does not fall within the scope of the Technical Guideline for Hazardous Substances (TRGS 510, BG RCI Leaflet M 062).

Durability: At least 3 years

7.3 Specific end use(s)

Ecological descaler for Caffitaly coffee machine systems. Additional information, please refer to the label, or our website: www.durgol.com

8. Exposure controls/personal protection

8.1 Control parameters

Name of substance: **Methanesulfonic acid**

EG-No.: 200-898-6

CAS-No.: 75-75-2

Index-No.: 607-145-00-4

Specification:

TRGS 900 - AGW (Air limit values at the work place; Status 02/02/2015)

AGW: - ml/m³ (ppm) 0.7 mg/m³

Peak limitation category: 1(I)

Remarks: Y, 11, AGS

Y = These are substances for which a risk of foetal damages under the AGW (air limit values at the work place) and BGW (biological limit values) need not be feared. 11 = Sum of vapors and aerosols.

Name of substance: **Lactic acid**

EG-No.: 201-196-2

CAS-No.: 79-33-4

Index-No.: -

For this substance there are no parameters to be monitored.

Name of substance: **Glycolic acid**

EG-No.: 201-180-5

CAS-No.: 79-14-1

Index-No.: -

For this substance there are no parameters to be monitored.

Notes and comments:

No

8.2 Exposure controls

Name of substance: **Methanesulfonic acid**

EG-No.: 200-898-6

CAS-No.: 75-75-2

Index-No.: 607-145-00-4

NOAEL (No Observed Adverse Effect Level)

1'805 - 2'122 mg/kg bw/day Consumer, oral, based on body weight

ADI (Acceptable Daily Intake)

20 mg/kg bw/day Consumer, oral, based on body weight

Name of substance: **Lactic acid**

EG-No.: 201-196-2

CAS-No.: 79-33-4

Index-No.: -

DNEL (Derived No Effect Level)

592 mg/m³ Workers, short-term exposure, inhalation

296 mg/m³ Population, short-term exposure, inhalation

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PNEC (Predicted No-Effect Concentration)

1.3 mg/l Freshwater
10 mg/l Microorganisms in sewage treatment plants

NOAEL (No Observed Adverse Effect Level)

500 - 570 mg/kg/day Consumer, oral, based on body weight

ADI (Acceptable Daily Intake)

5 mg/kg/day Consumer, oral, based on body weight

Name of substance: **Glycolic acid**

EG-No.: 201-180-5

CAS-No.: 79-14-1

Index-No.: -

DNEL (Derived No Effect Level)

10.56 mg/m³ Workers; Chronic - systemic effects; inhalative
9.2 mg/m³ Workers; Acute - systemic effects; inhalative
1.53 mg/m³ Workers; Chronic - local effects; inhalative
9.2 mg/m³ Workers; Acute - local effects; inhalative
57.69 mg/kg bw/d Workers; Chronic - systemic effects; dermal; based on body weight

PNEC (Predicted No-Effect Concentration)

0.031 mg/l Freshwater, Aquatic organisms, short-term (once)
0.003 mg/l Sea water, aquatic organisms, short-term (once)
7 mg/l Sewage Treatment Plant (STP), Aquatic Organisms, Short Term (once)
0.115 mg/kg dm Freshwater sediment, aquatic organisms, short-term (once), based on dry matter
0.011 mg/kg TS Sea water sediment, aquatic organisms, short-term (once), based on dry matter
0.007 mg/kg TS Soil, terrestrial organisms, short-term (once), based on dry matter

NOAEL (No Observed Adverse Effect Level)

150 - 300 mg/kg bw/Tag Consumer, oral, based on body weight

ADI (Acceptable Daily Intake)

2.5 mg/kg bw/Tag Consumer, oral, based on body weight

Notes and comments:

No

8.2.1 Appropriate engineering controls

Technical measures are not required for the application of the product.

8.2.2 Individual protection measures, such as personal protective equipment

Eye / face protection



A special eye / face protection is not required. A direct eye contact with the product should be avoided.

Skin protection



A special skin protection is not required. A direct skin contact with the product should be avoided.

Body protection



A special protective equipment is not required.

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Respiratory protection



When used as directed, a respiratory protection is not necessary.

8.2.3 Environmental exposure controls

The product should not used undiluted to enter the environment.

9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance			
Physical state:	Liquid		
Farbe:	Colorless		
Odour:	Characteristic		
pH-value undiluted:	< 1.0	[20°C]	DIN 19268
Acid reserve:	approx. 4.97 g NaOH/100g product		J.R. Young et al.
Rating numbers:	> -0.5 \cap < 1.0		BZ{1} \cap BZ{2}
Labelling result:	GHS07, Warning		
Rate of corrosion - Aluminum	< 0.01 mm/a	[55°C]	potentiostatic
Rate of corrosion - Structural steel	0.14 mm/a	[55°C]	potentiostatic
Resultierende Bewertung:	No restrictions on air transport (Section 14.8)		
Melting Point / freezing point:	approx. 0 °C	[1013 hPa]	By Trottoli
Initial boiling point / boiling range:	approx. 100 °C		DIN 38404 C4
Flash point:	Not applicable		
Inflammability:	The product is not flammable or explosive.		
Upper flammability / explosive limit:	Not applicable		
Lower flammability / explosive limit:	Not applicable		
Vapour pressure:	110 hPa	[20°C]	Calculated
Relative density:	1.05 g/cm ³	[20°C]	ISO 2811-3
Water solubility:	The product is completely soluble and miscible.		
Dynamic viscosity:	2.50 cP	[25°C]	DIN 53221
Kinematic viscosity:	2.38 cSt	[25°C]	Calculated
VOC-Content:	< 0.1 %		Calculated

9.2 Other information

No

10. Stability and reactivity

10.1 Reactivity

Reacts with strong oxidants and bases under generation of heat. Reacts with carbonates to form carbon dioxide.

10.2 Chemical stability

Under standard ambient conditions (room temperature), the product is chemically stable.

10.3 Possibility of hazardous reactions

When used as directed no hazardous reactions are expected.

10.4 Conditions to avoid

The product should not be used in combination with other cleaning/descaling agents.

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10.5 Incompatible materials

Acid-labile resins (POM), inferior stainless steel, thin/damaged chrome plating, silver and marble are attacked.

10.6 Hazardous decomposition products

Under normal conditions, hazardous decomposition products are not expected.

11. Toxicological information

11.1 Information on toxicological effects

Name of substance: **Methanesulfonic acid**

EG-No.: 200-898-6

CAS-No.: 75-75-2

Index-No.: 607-145-00-4

Acute toxicity

LD50 (oral, Rat), 200 - 800 mg/kg (IUCLID)

LD50 (dermal, Rabbit), 200 - 2000 mg/kg (IUCLID)

LD50 (dermal, Guinea pig), > 2000 mg/kg (IUCLID)

Corrosion / irritation to the skin

Skin (mouse), corrosive effect on the skin (IUCLID)

Serious eye damage / eye irritation

Eyes (rabbit), corrosive effect on the eye (IUCLID)

Sensitization of respiratory/skin

No data available

Summary of the evaluation of CMR properties.

Not classified as germ cell mutagen (mutagenic), carcinogenic or reproductive toxic.

Specific target organ toxicity - single exposure

No data available

Specific target organ toxicity - repeated exposure

No data available

Aspiration hazard

No data available

Potential health effects

Inhalation

May be harmful if inhaled. Causes respiratory tract irritation.

Ingestion

May be harmful if swallowed.

Skin

May be harmful if absorbed through skin. Causes skin irritation.

Eye

Causes severe eye irritation.

Signs and Symptoms of Exposure

Material is extremely destructive to tissue of the mucous membranes and upper respiratory tract, eyes, and skin. Symptoms and signs of poisoning are: burning sensation, cough, wheezing, laryngitis, shortness of breath, headache, Nausea, vomiting. Inhalation may provoke the following symptoms: spasm, inflammation and edema of the bronchi, spasm, inflammation and edema of the larynx. Aspiration or inhalation may cause chemical pneumonitis.

Name of substance: **Lactic acid**

EG-No.: 201-196-2

CAS-No.: 79-33-4

Index-No.: -

Acute toxicity

LD50 (oral, rat), 3730 mg/kg (IUCLID)

LD50 (dermal, rabbit), > 2000 mg/kg (IUCLID)

LC50 (inhalation (4h) aerosol, rat), 7.94 mg/l (IUCLID)

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Corrosion / irritation to the skin

Skin (rabbit), irritation of the skin, irritating.

Serious eye damage / eye irritation

Eyes (rabbit) Eye irritation, severe eye irritation, risk of serious damage to eyes.

Sensitization of respiratory/skin

No data available

Summary of the evaluation of CMR properties.

Not classified as germ cell mutagen (mutagenic), carcinogenic or reproductive toxic.

Specific target organ toxicity - single exposure

No data available

Specific target organ toxicity - repeated exposure

No data available

Aspiration hazard

No data available

Potential health effects

Inhalation

May be harmful if inhaled. Causes respiratory tract irritation.

Ingestion

May be harmful if swallowed.

Skin

May be harmful if absorbed through skin. Causes skin irritation.

Eye

Causes severe eye irritation.

Signs and Symptoms of Exposure

No data available

Name of substance: **Glycolic acid**

EG-No.: 201-180-5

CAS-No.: 79-14-1

Index-No.: -

Acute toxicity

LD50 (oral, rat), 2040 mg/kg (US EPA)

LC50 (inhalation (4h) aerosol, rat) aerosol, rat), 3.6 mg/l (OECD 405)

Corrosion / irritation to the skin

Skin (rabbit), OECD 404, Result: Corrosive (4 h)

Serious eye damage / eye irritation

Eyes (rabbit), OECD 405, Result: Irreversible effects on the eye

Remarks: Eyes (rabbit), as aqueous solution, Result: Severe eye irritation

Sensitization of respiratory/skin

Shall not be classified as a respiratory or skin sensitiser. (manufacturer information)

Summary of the evaluation of CMR properties.

Not classified as germ cell mutagen (mutagenic), carcinogenic or reproductive toxic.

Specific target organ toxicity - single exposure

Shall not be classified as specific target organ toxicant (single exposure). (manufacturer information)

Specific target organ toxicity - repeated exposure

Shall not be classified as specific target organ toxicant (repeated exposure). (manufacturer information)

Aspiration hazard

Shall not be classified as an aspiration hazard. (manufacturer information)

Potential health effects

Inhalation

No data available

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Ingestion

If swallowed there is a risk of perforation of the esophagus and stomach (strong corrosive effects).

Skin

Causes severe burns, causing poorly healing wounds.

Eye

Causes burns, Causes serious eye damage, Risk of blindness.

Signs and Symptoms of Exposure

No data available

11.2 Other notes and information

The information specified in section 11.1 are valid only for pure substances and not for the product (mixture).

The product (mixture) does not contain any allergens subject to labeling according to Regulation (EC) No. 1223/2009 on cosmetic products (new version) in relation to Directive 2003/15 EC on cosmetic products [7. Changes to the former Cosmetics Directive 76/768/EC - Annex III, Section I] and Regulation (EC) No. 646/2004 on detergents - Annex VII, Section A.

12. Ecological information

12.1 Toxicity

Name of substance: **Methanesulfonic acid**

EG-No.: 200-898-6

CAS-No.: 75-75-2

Index-No.: 607-145-00-4

Acute toxicity to Fish

No data available

Acute toxicity to aquatic Invertebrates

Daphnia magna (Crustacea); EC50 (24h), 33 mg/l; ISO 6341 15 (IUCLID)

Daphnia pulex (Crustacea); EC50 (48h), 12 mg/l; (IUCLID)

Toxicity to Aquatic Plants e.g. Algae

No data available

Toxicity to Microorganisms e.g. Bacteria

No data available

Chronic toxicity to Fish

No data available

Chronic toxicity to aquatic Invertebrates

No data available

Name of substance: **Lactic acid**

EG-No.: 201-196-2

CAS-No.: 79-33-4

Index-No.: -

Acute toxicity to Fish

Brachydanio rerio (Zebrafish); LC50 (96h); 320 mg/l (IUCLID)

Acute toxicity to aquatic Invertebrates

Daphnia magna (Crustacea); EC50 (48h), 130 mg/l; (IUCLID)

Toxicity to Aquatic Plants e.g. Algae

Pseudokirchneriella subcapitata (Green algae); ErC50 (72h); 2800 mg/l (IUCLID)

Toxicity to Microorganisms e.g. Bacteria

No data available

Chronic toxicity to Fish

No data available

Chronic toxicity to aquatic Invertebrates

No data available

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Name of substance: **Glycolic acid**

EG-No.: 201-180-5

CAS-No.: 79-14-1

Index-No.: -

Acute toxicity to Fish

Fish; LC50 (96h), 164 mg/l (manufacturer information)

Acute toxicity to aquatic Invertebrates

Aquatic invertebrates; EC50 (24h), 141 mg/l (manufacturer information)

Toxicity to Aquatic Plants e.g. Algae

No data available

Toxicity to Microorganisms e.g. Bacteria

No data available

Chronic toxicity to Fish

No data available

Chronic toxicity to aquatic Invertebrates

No data available

Chronic toxicity to microorganisms e.g. bacteria

Microorganisms; EC50 (3h), >100 mg/l (manufacturer information)

12.2 Persistence and degradability

This product consists exclusively of ingredients that are biodegradable.

DOC-Elimination: > 98 % OECD 301 E (18d)

Mineralization: Not determined

The product can according to the terms of the guideline OECD 301 E be described as "readily biodegradable".

12.3 Bioaccumulative potential

No data available

12.4 Mobility in soil

No data available

12.5 Results of PBT and vPvB assessment

No data available

12.6 Other adverse effects

Harmful effects by lowering the pH-value are possible.

13. Disposal considerations

13.1 Waste treatment methods

According to the Waste Catalogue Ordinance 2001/118/EC (AVV) the product and product leftovers are not classified as a hazardous waste. If recycling is not possible, waste must be removed in compliance with local regulations.

Product

Waste code according to AVV: 20 01 30 Detergents other than those mentioned in 20 01 29

Recommendation for disposal

The correct waste code number has to be determined in accordance with the local waste disposer. For small quantities a disposal into drains is possible.

Packing

Packing material: PET-Bottles

Waste code according to AVV: 15 01 02 Plastic packaging

Recommendation for disposal

Contaminated packaging: Empty, not dried out container must be disposed of as containers of harmful residues.

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Cleaned packaging: Uncontaminated and cleaned packaging can be recycled.

Recommended cleaning agent

Water

Special precautions

Observe protective measures in sections 6., 7. and 8.

14. Transport information

The product (mixture) is according to ADR/RID 2021 under section 2.2.8.1.6. and especially 2.2.8.1.6.3.5 (Bridging principles) not in class 8 of corrosive substances and therefore not to be classified as dangerous goods. This also applies to IMDG/ADNR and IATA/ICAO.

14.1 UN number

Not applicable

14.2 UN proper shipping name

Not applicable

ADR/RID

Transport category: Not applicable

Tunnel restriction code: Not applicable

Hazard-No. (Kemler Zahl): Not applicable

IMDG/ADNR

EmS-Code: Not applicable

IATA/ICAO

Not applicable

14.3 Transport hazard class(es)

Hazard class: Not applicable

Classification code: Not applicable

14.4 Packing group

Not applicable

14.5 Environmental hazards

The product (mixture) leads into waters to a reduction of the pH-value.

Marine Pollutant: No

14.6 Special precautions for user

Observe protective measures in sections 6., 7. and 8.

14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Not applicable

14.8 Other notes and information

Limited Quantity (LQ): Not applicable

Excepted Quantity (EQ)

Maximum net quantity per inner packaging: Not applicable

Maximum net quantity per outer packaging: Not applicable

The product accomplishes the regulations of the corrosion test in accordance with the UN Manual of Tests and Criteria (Part 3, Section 37, 7th version).

UN model regulations: Not applicable

15. Regulatory information

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

EU legislation

Regulation (EC) No. 2037/2000 (Substances that deplete the ozone layer)

Not applicable

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Regulation (EC) No. 850/2004 (Persistent organic pollutants)

Not applicable

Regulation (EC) No 689/2008 (Export and import of dangerous chemicals):

Not applicable

Regulation (EG) No. 648/2004 (Detergent)

The product (mixture) meets the criteria laid down in Regulation (EC) No 648/2004.

Restrictions under Title VIII of the Regulation (EC) 1907/2006

No

Restrictions according to Article 57 on substances of very high concern (SVHC):

No

National regulations

Water hazard class according AwSV, Annex 1 (Germany)

WGK: 1 weakly water polluting

Solvent regulation (31. BImSchV) (Germany)

VOC-content: Not applicable

Hazardous Incident Ordinance (12. BImSchV) (Germany)

Not applicable

Technical instructions on air quality (TA-Luft) (Germany)

Not applicable

Reference to technical rules for hazardous substances (TRGS) (Germany)

No

15.2 Chemical safety assessment

The product (mixture) was subjected to an internal human-toxicological safety assessment and it was evaluated for the intended use in terms of human toxicology as safe.

16. Other information

16.1 Changes since the last version

[V.22.2] Corrections of a general nature without affecting labeling.

According to the 15th ATP to the CLP Regulation, the formulation was changed for reasons relevant to labeling. All information has been adapted to the new formulation.

Author of the material safety data sheet

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16.2 Literature and data sources

REACH Regulation (EC) No. 1907/2006, as last amended by Regulation (EC) No. 2015/830

CLP Regulation (EC) No. 1272/2008, as last amended by Regulation (EG) No. 286/2011

J.R. Young, M.J. How, A.P. Walker, W.M.H. Worth, Classification as Corrosive or Irritant to Skin of Preparations Containing Acidic or Alkaline Substances without Testing on Animals, Toxic. In Vitro, Bd. 2, No. 1, 1988, S. 19-26

Internet

<http://echa.europa.eu/>

<http://echa.europa.eu/web/guest/information-on-chemicals/registered-substances>

<http://chem.sis.nlm.nih.gov/chemidplus/>

<http://www.bag.admin.ch/themen/chemikalien/>

<http://www.dguv.de/ifa/Gefahrstoffdatenbanken/GESTIS-Stoffdatenbank/index.jsp>

<http://www.reach-info.de/verordnungstext.htm>

<http://www.baua.de/de/Startseite.html>

16.3 Hazard warnings which are referred in section 2. and 3.

Accordance with the CLP Regulation (EC) No. 1272/2008

H290; May be corrosive to metals.

Acute Tox. 4, H302+H312; Harmful if swallowed or in contact with skin.

MSDS & COSHH

Material Safety Data Sheet

according to Regulation (EC) No. 1907/2006 as amended by Regulation (EC) No. 2015/830

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Skin Corr. 1, H314; Causes severe skin burns and eye damage.
Skin Irrit. 2, H315; Causes skin irritation.
Eye Irrit. 2, H319; Causes severe eye irritation.
Acute Tox. 4, H332; Harmful if inhaled.
STOT SE 3, H335; May cause respiratory irritation

16.4 Methods according to Article 9 of the Regulation (EC) No 1272/2008 of the evaluation of data for classification purposes

Classification in accordance with Regulation (EC) No 1272/2008, Annex VII (Conversion table).

16.5 Other product-related information:

Kosher product; Rabbinat Kashrus List of the Israelite Society Zurich (IRGZ)

16.6 Legend of abbreviations used

ADI	Acceptable Daily Intake
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
AF	Overall Assessment Factor
AGS	Committee on Hazardous Substances
AGW	Occupational Exposure Limits
AVV	Wastes Ordinance
AwSV	Ordinance on Facilities for Handling Substances Hazardous to Water (Germany)
BAT	Biological workplace concentration
BGW	biological tolerance for work
BImSchV	Regulation on the implementation of the Federal Pollution Control Act (Germany)
BZ	Acid reserve rating numbers {1} and {2} for labelling classification
CAS	Chemical Abstracts Service
CLP	Classification, Labelling and Packaging (Regulation)
CMR	Carcinogenic, mutagenic or toxic to reproduction
DFG	Senate Commission for the investigation of health hazards of substances. MAK Commission of the Deutsche Forschungsgemeinschaft (DFG)
DIN	Norms of the German Institute for Standardization
DNEL	Derived No Effect Level
DOC	Dissolved Organic Carbon
EC	Effective Concentration
EC/EEC	European Community / European Economic Community
ECHA	European Chemicals Agency
EN	Europäische Norm
EQ	Excepted Quantity (Freigestellte Menge)
EU	European Union
GHS	Globally Harmonized System of Classification and Labelling of Chemicals
GWP	Global Warming Potential
HD-PE	High density polyethylene, thermoplastic
IARC	International Agency for Research on Cancer
IATA-DGR	International Air Transport Association - Dangerous Goods Regulations
IBC-Code	International Building Code
ICAO-TI	International Civil Aviation Organization - Technical Instructions
IMDG	International Maritime Dangerous Goods
ISO	Norms of the International Standards Organization
INCI	International Nomenclature of Cosmetic Ingredients
IUCLID	International Uniform Chemical Information Database
LC	Lethal Concentration
LD	Lethal Dose
LQ	Limited Quantity
MAK	Occupational Exposure Limit
MARPOL	Maritime Pollution Convention

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NIOSH	National Institut of Occupational Safety & Health
NOAEL/NOAEC	No Observed Adverse Effect Level/Concentration
ODP	Ozone Depleting Potential (Ozonabbaupotential)
OECD	Organization for Economic Cooperation and Development
PBT	Persistent, bioaccumulative, toxic
PET	Polyethylene terephthalate, thermoplastic
PNEC	Predicted No Effect Concentration
POM	Polyoxymethylene (polyacetal) thermoplastic
REACH	Registration, Evaluation and Authorisation of Chemicals (Regulation)
RID	Rules for international carriage of dangerous goods by rail
RTECS	Registry of Toxic Effects of Chemical Substances
STEL	Short-Term Exposure Limit (Grenzwert für Kurzzeiteexposition)
TRGS	Technical Rules for Hazardous Substances
STOT	Specific Target Organ Toxicity
STP	Sewage Treatment Plant
SVHC	Substances of Very High Concern
TRbF	Technical Regulations of flammable liquids
UFI	Unique Formula Identifier (ECHA)
UN	United Nations
VbF	Regulations for flammable liquids (Germany)
VCI	German Chemical Industry Association
VOC	Volatile Organic Compounds
vPvB	Very persistent and very bioaccumulative
VwVwS	Administrative Regulation on substances hazardous to water (Germany)
WGK	Water hazard class

This safety data sheet corresponds to Article 31 and Annex II of the REACH Regulation (EC) No. 1907/2006, as amended by Regulation (EU) No. 2015/830. The above information is based on our present knowledge and describes the safety requirements of the substances or the product (mixture), however they are no assurance of product properties and do not justify a contractual legal relationship.

MSDS & COSHH

	Costa Coffee Approved Sanitiser Policy	Document Reference	1.1.13
		Document Owner	Zoe Lambert
		Date Approved	20/09/2024
		Version Number	2
		Approved By	Louise Hickmott

Audience	Area
Global	TECHNICAL SUPPLY CHAIN
Intended Party	Platform
Costa (Including Global Innovation); Coca-Cola Bottler	Costa Self Served

Costa Coffee Approved Sanitiser Policy

Purpose: To support the consistent delivery of high quality and safe vended beverages to consumers.

Responsibility: The Food Business Operator responsible for the vended beverages within the market must use Costa approved sanitisers for the manual cleaning of all Costa Express machines.

Requirements: The manual cleaning process must follow the cleaning frequency and cleaning steps as described in the relevant Machine Operator Manual. Dilution and contact time must be adhered to as per the specific sanitiser instructions.

The following list of sanitisers are approved for use only for use with Costa Express equipment:

Ecolab DrySan Oxy wipes
Holchem M2 spray
Ecolab Aseptopol 76 spray/aerosol
Diversey Suma Bac D10 spray
Cleenol EV3 spray
Diversey Oxivir
Selgeine Extreme T500 spray
Ecolab Oasis 146 Multi Quat spray (US use only)
Cif Professional (pro formula) spray
Ecolab Sink & Surface Cleaner Sanitiser
Ecolab Kay 5 sanitizer tablets

Sanytol All purpose
Greenspeed Lacto Des spray
Dettol All purpose cleaner
Dettol Disinfection Hygiene Cleaner
Diversey Suma QuickDes D4.12 spray
Ecolab Sirafan Speed spray
Ecolab P3 Alcodes spray
Lion Hygiene (Japan) High Alcohol
Astonish Antibacterial Spray
Dettol Multi-purpose cleaner
CiF Multi-purpose spray

To be approved for use, the sanitisers must pass Costa validation test protocols. To request validation, a formal change request must be raised via the Costa X Technical Manager and approved by the relevant change forum process.

REASON FOR CHANGE, CHANGES SINCE LAST VERSION
Updated to include removal of discontinued sanitiser & addition of US sanitiser

Version control

Version	Date	Author	Changes
1.0	17.06.2025	Sabeena Cleo Bahar	<ul style="list-style-type: none">• Seperated out MSDS & COSHH from the Operator Manual.

If you require any support with your
coffee machine please contact:

Costa Coffee Contact Centre

