



SAFETY DATA SHEET

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

Caffitaly System Descaler

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

1.1. Product identifier

Product name Caffitaly System Descaler

Product code 70023-89

Unique formula identifier (UFI) MD9J-70F2-8206-RT89

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

Use of the Substance/Mixture Descaling 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:
Costa Express and Costa Limited
3 Knaves Beech
Loudwater
High Wycombe
Buckinghamshire
HP10 9QR

1.4. Emergency telephone number Tox Info Suisse: 145 (international +41 44 251 51 51)
United Kingdom National Health Service: 111

Revision date 17.11.2025

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

Serious eye damage/eye irritation, Cat. 2, H319

Additional information

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

2.2. Label elements



Signal Word

Warning

Hazard Statements

H319: Causes serious eye irritation.

Precautionary statements

P102: Keep out of reach of children.
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.

Supplemental information

None.

Product identifier

Not required.

2.3. Other hazards

None known.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Components	Weight %	CLP Classification	Product identifier
citric acid	5% - 10%	Eye Irrit. 2 H319, STOT SE 3 H335	CAS-No.: 77-92-9 EC-No.: 201-069-1 Index-No: 607-750-00-3
sulphamidic acid; sulphamic acid; sulfamic acid	5% - 10%	Eye Irrit. 2 H319, Skin Irrit. 2 H315, Aquatic Chronic 3 H412	CAS-No.: 5329-14-6 EC-No.: 226-218-8 Index-No: 016-026-00-0

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

Hazardous impurities

None known.

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation	Move to fresh air in case of accidental inhalation of vapours or decomposition products. Consult a physician for severe cases.
Skin contact	Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. If skin irritation persists, call a physician.
Eye contact	Rinse immediately with plenty of water, also under the eyelids. If eye irritation persists, consult a specialist.
Ingestion	Clean mouth with water and drink afterwards plenty of water. Consult a physician for severe cases.

4.2. Most important symptoms and effects, both acute and delayed	The product contains no substances known to be hazardous to health in concentrations which need to be taken into account.
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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.
Unsuitable extinguishing media	High volume water jet.

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.
Specific methods	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

For non-emergency personnel	Use personal protective equipment. Avoid contact with skin and eyes. Do not breathe vapours/dust.
For emergency responders	Use personal protective equipment. Do not breathe vapours/dust. Ventilate the area.

6.2. Environmental precautions Do not flush into surface water or sanitary sewer system.

6.3. Methods and material for containment and cleaning up Keep in suitable and closed containers for disposal (Plastic container of HDPE).

6.4. Reference to other sections See chapter 8 and 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling	Plan first aid action before beginning work with this product. Do not breathe vapours/dust. Avoid contact with skin and eyes.
7.2. Conditions for safe storage, including any incompatibilities	Keep container tightly closed. Store in original container. Keep out of the reach of children.
7.3. Specific end use(s)	No information available.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

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

PNEC/DNEL

sulphamidic acid; sulphamic acid; sulfamic acid (CAS 5329-14-6)

EU - REACH (1907/2006) - Registration Data - Derived No Effect Levels (DNELs)	workers inhalation systemic effects long term exposure 70.5 mg/m ³ DNEL (226-218-8) workers dermal systemic effects long term exposure 10 mg/kg bw/day DNEL (226-218-8) general population inhalation systemic effects long term exposure 17.4 mg/m ³ DNEL (226-218-8) general population dermal systemic effects long term exposure 5 mg/kg bw/day DNEL (226-218-8) general population oral systemic effects long term exposure 5 mg/kg bw/day DNEL (226-218-8)
EU - REACH (1907/2006) - Registration Data - Predicted No Effect Concentrations (PNECs)	8.36 mg/kg sediment dw PNEC (sediment (freshwater), 226-218-8) 0.84 mg/kg sediment dw PNEC (sediment (marine water), 226-218- 8) 5 mg/kg soil dw PNEC (soil, 226-218-8) 1.8 mg/L PNEC (freshwater, 226-218-8)

0.18 mg/L PNEC (marine water, 226-218-8)
 0.48 mg/L PNEC (freshwater (intermittent releases), 226-218-8)
 20 mg/L PNEC (sewage treatment, 226-218-8)

8.2. Exposure controls

Appropriate engineering controls Handle in accordance with good industrial hygiene and safety practice.

Personal protection equipment

Respiratory protection No personal respiratory protective equipment normally required.

Hand protection Special skin protection is not required. Direct skin contact with the product should be avoided.

Eye protection Normally no eye protection necessary.

Skin and body protection No special protective equipment is required.

Thermal hazards Does not sustain combustion.

Environmental exposure controls Prevent product from entering surface water or sewage.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	Liquid.
Colour	Colourless.
Odour	Characteristic.
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 flash
Auto-ignition temperature:	None.
Decomposition temperature:	Not determined.
pH:	Not applicable.
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:	Not determined.
Relative vapour density:	Not determined.
Particle characteristics:	Not applicable.

9.2. Other information

9.2.1 Information with regard to physical hazard classes None.

9.2.2 Other safety characteristics None.

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	Exothermic reaction with strong bases.
10.4. Conditions to avoid	Burning produces obnoxious and toxic fumes.
10.5. Incompatible materials	Acid-labile plastics (POM), low-grade chrome steel, thin/damaged chrome plating, silver and marble can be attacked.
10.6. Hazardous decomposition products	None reasonably foreseeable.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity	citric acid (CAS 77-92-9) Dermal LD50 Rat > 2000 mg/kg (EU_CLH) Oral LD50 Rat = 3 g/kg (NLM_CIP) sulphamidic acid; sulphamic acid; sulfamic acid (CAS 5329-14-6) Dermal LD50 Rat > 2000 mg/kg (ECHA_API) Oral LD50 Rat = 2140 mg/kg (ECHA)
Skin corrosion/irritation	Mild skin irritation.
Serious eye damage/eye irritation	Causes serious eye irritation.
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

Endocrine disrupting properties No data available.

Other information No data available.

SECTION 12: Ecological information

12.1. Toxicity May change pH of waters.

citric acid (CAS 77-92-9)

EU - Ecolabel (66/2010) - Detergent Ingredient Database - Aerobic Degradation Readily biodegradable according to OECD guidelines.

EU - Ecolabel (66/2010) - Detergent Ingredient Database - Anaerobic Degradation

Biodegradable under anaerobic conditions.

Ecotoxicity - Freshwater Fish - Acute Toxicity Data

LC50 96 h Lepomis macrochirus 1516 mg/L (OECD_SIDS)

sulphamidic acid; sulphamic acid; sulfamic acid (CAS 5329-14-6)

Ecotoxicity - Freshwater Fish - Acute Toxicity Data LC50 96 h Pimephales promelas 14.2 mg/L [static] (EPA)

Ecotoxicity - Water Flea - Chronic Toxicity Data NOEC

NOEC 21 d Daphnia magna 19 mg/L [flow-through] (reproduction, ECHA_API) (ECHA_API)

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 No data available.

12.6. Endocrine disrupting properties No data available.

12.7. Other adverse effects No data available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste from residues / unused products Dispose of in accordance with local regulations.

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	None.
citric acid (CAS 77-92-9)	
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: 2 Product type: 3
EU - Biocides (528/2012/EU) - Active Substances	2 - Disinfectants and algacides not intended for direct application to humans or animals (Commission Implementing Regulation 2016/1938/EU) 6 - Preservatives for products during storage (Commission Delegated Regulation 2021/407/EU)
EU - REACH (1907/2006) - Annex XVII - Restrictions on Certain Dangerous Substances	Use restricted. See entry 75.
EU - REACH (1907/2006) - List of Registered Substances	Present
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]
sulphamidic acid; sulphamic acid; sulfamic acid (CAS 5329-14-6)	
EU - REACH (1907/2006) - Annex XVII - Restrictions on Certain Dangerous Substances	Use restricted. See entry 75.
EU - REACH (1907/2006) - List of	Present ([226-218-8])

Registered Intermediates EU - REACH (1907/2006) - List of Registered Substances	Present
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15.2. Chemical safety assessment	Not required.
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SECTION 16: Other information

Key or legend to abbreviations and acronyms	None.
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Full text of phrases referred to under sections 2 and 3	H315: Causes skin irritation. H319: Causes serious eye irritation. H335: May cause respiratory irritation. H412: Harmful to aquatic life with long lasting effects.
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Further information	Take notice of the directions of use on the label.
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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.
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