



## SAFETY DATA SHEET

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

### Caffitaly System Descaler

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

##### **1.1. Product identifier**

<b>Product name</b>	Caffitaly System Descaler
<b>Product code</b>	70023-89
<b>Unique formula identifier (UFI)</b>	MD9J-70F2-8206-RT89

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

<b>Use of the Substance/Mixture</b>	Descaling agent
<b>Uses advised against</b>	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**

<b>Company/Undertaking Identification</b>	Düring AG Langwiesenstrasse 1 CH-8108 Dällikon Telefon +41 44 847 27 49 <a href="http://www.dueringag.ch">www.dueringag.ch</a> <a href="http://www.durgol.com">www.durgol.com</a>
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Distributor:  
Costa Express and Costa Limited  
3 Knaves Beech  
Loudwater  
High Wycombe  
Buckinghamshire  
HP10 9QR

<b>1.4. Emergency telephone number</b>	Tox Info Suisse: 145 (international +41 44 251 51 51) United Kingdom National Health Service: 111
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<b>Revision date</b>	17.11.2025
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## **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.

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## **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
sulphamic 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.

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## **SECTION 4: First aid measures**

### **4.1. Description of first aid measures**

<b>Inhalation</b>	Move to fresh air in case of accidental inhalation of vapours or decomposition products. Consult a physician for severe cases.
<b>Skin contact</b>	Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. If skin irritation persists, call a physician.
<b>Eye contact</b>	Rinse immediately with plenty of water, also under the eyelids. If eye irritation persists, consult a specialist.
<b>Ingestion</b>	Clean mouth with water and drink afterwards plenty of water. Consult a physician for severe cases.
<b>4.2. Most important symptoms and effects, both acute and delayed</b>	The product contains no substances known to be hazardous to health in concentrations which need to be taken into account.
<b>4.3. Indication of any immediate medical attention and special treatment needed</b>	None known.

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## **SECTION 5: Firefighting measures**

### **5.1. Extinguishing media**

<b>Suitable extinguishing media</b>	Use water spray, alcohol-resistant foam, dry extinguishing agent or carbon dioxide.
<b>Unsuitable extinguishing media</b>	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.

### **5.3. Advice for firefighters**

<b>Special protective equipment for firefighters</b>	Standard procedure for chemical fires. In the event of fire, wear self-contained breathing apparatus. Complete suit protecting against chemicals.
<b>Specific methods</b>	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**

<b>For non-emergency personnel</b>	Use personal protective equipment. Avoid contact with skin and eyes. Do not breathe vapours/dust.
<b>For emergency responders</b>	Use personal protective equipment. Do not breathe vapours/dust. Ventilate the area.
<b>6.2. Environmental precautions</b>	Do not flush into surface water or sanitary sewer system.
<b>6.3. Methods and material for containment and cleaning up</b>	Keep in suitable and closed containers for disposal (Plastic container of HDPE).
<b>6.4. Reference to other sections</b>	See chapter 8 and 13.

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## **SECTION 7: Handling and storage**

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

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

### **8.1. Control parameters**

<b>Exposure limit(s)</b>	No data is available on the product itself.
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#### **PNEC/DNEL**

##### **sulphamic 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 <sup>3</sup> 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 <sup>3</sup> 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.

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## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

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

### 9.2. Other information

**9.2.1 Information with regard to physical hazard classes** None.

**9.2.2 Other safety characteristics** None.

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## **SECTION 10: Stability and reactivity**

<b>10.1. Reactivity</b>	Reacts with strong oxidizing agents and alkalis, generating heat. Reacts with carbonates to form carbon dioxide.
<b>10.2. Chemical stability</b>	No decomposition if used as directed.
<b>10.3. Possibility of hazardous reactions</b>	Exothermic reaction with strong bases.
<b>10.4. Conditions to avoid</b>	Burning produces obnoxious and toxic fumes.
<b>10.5. Incompatible materials</b>	Acid-labile plastics (POM), low-grade chrome steel, thin/damaged chrome plating, silver and marble can be attacked.
<b>10.6. Hazardous decomposition products</b>	None reasonably foreseeable.

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## **SECTION 11: Toxicological information**

### **11.1. Information on toxicological effects**

<b>Acute toxicity</b>	<b>citric acid (CAS 77-92-9)</b> Dermal LD50 Rat > 2000 mg/kg (EU_CLH) Oral LD50 Rat = 3 g/kg (NLM_CIP) <b>sulphamic acid; sulphamic acid; sulfamic acid (CAS 5329-14-6)</b> Dermal LD50 Rat > 2000 mg/kg (ECHA_API) Oral LD50 Rat = 2140 mg/kg (ECHA)
<b>Skin corrosion/irritation</b>	Mild skin irritation.
<b>Serious eye damage/eye irritation</b>	Causes serious eye irritation.
<b>Respiratory or skin sensitisation</b>	None.
<b>Carcinogenicity</b>	Based on available data, the classification criteria are not met.
<b>Germ cell mutagenicity</b>	Based on available data, the classification criteria are not met.
<b>Reproductive toxicity</b>	Based on available data, the classification criteria are not met.
<b>Specific target organ toxicity - Single exposure</b>	No data available.
<b>Specific target organ toxicity - Repeated exposure</b>	No data available.
<b>Aspiration hazard</b>	No data available.
<b>Human experience</b>	No data available.

## 11.2. Information on other hazards

**Endocrine disrupting properties** No data available.

**Other information** No data available.

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## SECTION 12: Ecological information

**12.1. Toxicity** May change pH of waters.

**citric acid (CAS 77-92-9)**

EU - Ecolabel (66/2010) - Readily biodegradable according to OECD guidelines.

Detergent Ingredient Database -  
Aerobic Degradation

EU - Ecolabel (66/2010) - Biodegradable under anaerobic conditions.

Detergent Ingredient Database -  
Anaerobic Degradation

Ecotoxicity - Freshwater Fish - LC50 96 h Lepomis macrochirus 1516 mg/L (OECD\_SIDS)  
Acute Toxicity Data

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

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

Acute Toxicity Data

Ecotoxicity - Water Flea - Chronic NOEC 21 d Daphnia magna 19 mg/L [flow-through] (reproduction,  
Toxicity Data NOEC 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.

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## 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.

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## **SECTION 14: Transport information**

<b>14.1. UN number or ID number</b>	Not applicable.
<b>14.2. UN proper shipping name</b>	Not applicable.
<b>14.3. Transport hazard class(es)</b>	Not applicable.
<b>14.4. Packing group</b>	Not applicable.
<b>14.5. Environmental hazards</b>	Not applicable.
<b>14.6. Special precautions for user</b>	Not applicable.
<b>14.7. Maritime transport in bulk according to IMO instruments</b>	Not applicable.

### **UN Model Regulations**

<b>ADR/RID</b>	Not regulated.
<b>IMDG</b>	Not regulated.
<b>IATA</b>	Not regulated.
<b>Further Information</b>	None.

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## **SECTION 15: Regulatory information**

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

<b>Regulatory Information</b>	None.
<b>citric acid (CAS 77-92-9)</b>	
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
EU - Biocides (528/2012/EU) - Active Substances	Product type: 3
EU - REACH (1907/2006) - Annex XVII - Restrictions on Certain Dangerous Substances	2 - Disinfectants and algaecides 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) 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]
<b>sulphamic acid; sulphamic acid; sulfamic acid (CAS 5329-14-6)</b>	
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 Present  
Registered Substances

**15.2. Chemical safety assessment** Not required.

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## **SECTION 16: Other information**

**Key or legend to abbreviations and acronyms** None.

**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.

**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.