

**Safety data sheet**  
according to 1907/2006/EC, Article 31

Printing date: 01.02.2018

Version No: 11

Revision: 01.02.2018

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

- **1.1 Product identifier**
- **Trade name:** Cafiza Espresso Cleaning Tablets
- **1.2 Relevant identified uses of the substance or mixture and uses advised against**
- **Application of the substance / the preparation:** Coffee/Espresso machine/equipment cleaner
- **Uses advised against:** No further relevant information available.
- **1.3 Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**

Urnex Brands, Inc.	Urnex Brands, Inc.
700 Executive Blvd.	29 Harley Street, London, W1G 9QR
Elmsford, NY 10523 USA	United Kingdom
Phone: +1-914-963-2042	Tel: +44 (0)20 7927 6881
Fax: +1-914-963-2145	
Email: info@urnex.com	
- **Further information obtainable from:**

Urnex Brand, LLC.	
700 Executive Blvd.	
Elmsford, NY 10523 USA	
Phone: +1-914-963-2042	
Fax: +1-914-963-2145	
Email: info@urnex.com	
- **1.4 Emergency telephone number:**

Tel.: 800-424-9300 (USA)	
Tel.: 001-703-527-3887 (INTERNATIONAL COLLECT ACCEPTED)	

**SECTION 2: Hazards identification**

- **2.1 Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**

Skin Irrit. 2 H315 Causes skin irritation.	
Eye Irrit. 2 H319 Causes serious eye irritation.	
- **2.2 Label elements**
- **Labelling according to Regulation (EC) No 1272/2008**

The product is classified and labelled according to the CLP regulation.
- **Hazard pictograms**



GHS07

- **Signal word** Warning
- **Hazard-determining components of labelling:**

Alcohols, C9-11, branched and linear, ethoxylated	
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- **Hazard statements**

H315 Causes skin irritation.	
H319 Causes serious eye irritation.	
- **Precautionary statements**

P264	Wash thoroughly after handling.
P302+P352	IF ON SKIN: Wash with plenty of 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.

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- P332+P313 If skin irritation occurs: Get medical advice/attention.  
P337+P313 If eye irritation persists: Get medical advice/attention.  
P362+P364 Take off contaminated clothing and wash it before reuse.

**2.3 Other hazards****Results of PBT and vPvB assessment**

- **PBT:** Not determined.
- **vPvB:** Not determined.

### SECTION 3: Composition/information on ingredients

**3.2 Chemical characterisation: Mixtures****Dangerous components:**

CAS: 497-19-8 EINECS: 207-838-8 Index number: 011-005-00-2	sodium carbonate Eye Irrit. 2, H319	30 - 40%
CAS: 15630-89-4 EINECS: 239-707-6	disodium carbonate, compound with hydrogenperoxide (2:3) Ox. Liq. 2, H272; Eye Dam. 1, H318; Acute Tox. 4, H302	20 - 30%
CAS: 5329-14-6 EINECS: 226-218-8 Index number: 016-026-00-0	sulphamidic acid Skin Irrit. 2, H315; Eye Irrit. 2, H319; Aquatic Chronic 3, H412	10 - 20%
CAS: 25322-68-3 NLP: 500-038-2	Polyethylene glycol STOT SE 3, H335	10 - 20%
CAS: 160901-09-7 NLP: 500-446-0	Alcohols, C9-11, branched and linear, ethoxylated Eye Dam. 1, H318	1 - 5%

**Regulation (EC) No 648/2004 on detergents / Labelling for contents**

oxygen-based bleaching agents, phosphates	≥15 - <30%
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- **Additional information:** For the wording of the listed hazard phrases refer to section 16.

### SECTION 4: First aid measures

**4.1 Description of first aid measures****General information:**

- Take affected persons out of danger area and lay down.
- Immediately remove any clothing soiled by the product.
- In case of irregular breathing or respiratory arrest provide artificial respiration.

**After inhalation:** Supply fresh air.**After skin contact:**

- Immediately rinse with water.
- If skin irritation continues, consult a doctor.

**After eye contact:**

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

**After swallowing:** Rinse out mouth and then drink plenty of water.**4.2 Most important symptoms and effects, both acute and delayed** No further relevant information available.**4.3 Indication of any immediate medical attention and special treatment needed**

- No further relevant information available.

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**SECTION 5: Firefighting measures**

- **5.1 Extinguishing media**
- **Suitable extinguishing agents:**  
*CO<sub>2</sub> powder or water spray. Fight larger fires with water spray or alcohol resistant foam.*  
*Use fire extinguishing methods suitable to surrounding conditions.*
- **For safety reasons unsuitable extinguishing agents:** *Water with full jet*
- **5.2 Special hazards arising from the substance or mixture**  
*Formation of toxic gases is possible during heating or in case of fire.*  
*In case of fire, the following can be released:*  
*Carbon monoxide*  
*Carbon dioxide*  
*Nitrogen oxides (NO<sub>x</sub>)*  
*Sulphur oxides (SO<sub>x</sub>)*  
*Phosphorus compounds*
- **5.3 Advice for firefighters**
- **Protective equipment:** *Wear self-contained respiratory protective device.*
- **Additional information**  
*Cool endangered receptacles with water spray.*  
*Collect contaminated fire fighting water separately. It must not enter the sewage system.*

**SECTION 6: Accidental release measures**

- **6.1 Personal precautions, protective equipment and emergency procedures**  
*Ensure adequate ventilation.*  
*Wear protective equipment. Keep unprotected persons away.*  
*Avoid formation of dust.*  
*Keep away from ignition sources.*
- **6.2 Environmental precautions:** *Do not allow to enter sewers/ surface or ground water.*
- **6.3 Methods and material for containment and cleaning up:**  
*Pick up mechanically.*  
*Dispose of the material collected according to regulations.*
- **6.4 Reference to other sections**  
*See Section 7 for information on safe handling.*  
*See Section 8 for information on personal protection equipment.*  
*See Section 13 for disposal information.*

**SECTION 7: Handling and storage**

- **7.1 Precautions for safe handling**  
*Prevent formation of dust.*  
*Any unavoidable deposit of dust must be regularly removed.*  
*Ensure good ventilation/exhaustion at the workplace.*
- **Information about fire and explosion protection:**  
*Dust can combine with air to form an explosive mixture.*  
*Keep ignition sources away - Do not smoke.*  
*Protect against electrostatic charges.*
- **7.2 Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** *Store only in the original receptacle.*
- **Information about storage in one common storage facility:** *Store away from oxidising agents.*
- **Further information about storage conditions:**  
*Keep container tightly sealed.*

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Store in cool, dry conditions in well sealed receptacles.

· **7.3 Specific end use(s)** No further relevant information available.

### SECTION 8: Exposure controls/personal protection

· **8.1 Control parameters**

· **Ingredients with limit values that require monitoring at the workplace:**

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

· **8.2 Exposure controls**

· **Personal protective equipment:**

· **General protective and hygienic measures:**

Do not eat, drink, smoke or sniff while working.

Keep away from foodstuffs, beverages and feed.

Store protective clothing separately.

Avoid contact with the eyes and skin.

The usual precautionary measures are to be adhered to when handling chemicals.

· **Respiratory protection:** Not necessary if room is well-ventilated.

· **Protection of hands:**


Protective gloves

Only use chemical-protective gloves with CE-labelling of category III.

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation.

· **Material of gloves**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

· **Penetration time of glove material**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

· **Eye protection:** Safety glasses

· **Body protection:** Protective work clothing

### SECTION 9: Physical and chemical properties

· **9.1 Information on basic physical and chemical properties**

· **General Information**

· **Appearance:**
**Form:** Solid

**Colour:** White

· **Odour:** Characteristic

· **Odour threshold:** Not determined.

· **pH-value at 20 °C:** 10

· **Change in condition**
**Melting point/freezing point:** Not determined.

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<b>Initial boiling point and boiling range:</b> Not applicable.	
· <b>Flash point:</b>	Not determined.
· <b>Flammability (solid, gas):</b>	Not determined.
· <b>Ignition temperature:</b>	Not determined.
· <b>Decomposition temperature:</b>	Not determined.
· <b>Explosive properties:</b>	Product does not present an explosion hazard.
· <b>Explosion limits:</b>	
Lower:	Not determined.
Upper:	Not determined.
· <b>Oxidising properties</b>	No
· <b>Vapour pressure:</b>	Not applicable.
· <b>Density:</b>	Not determined.
· <b>Relative density</b>	Not determined.
· <b>Vapour density</b>	Not applicable.
· <b>Evaporation rate</b>	Not applicable.
· <b>Solubility in / Miscibility with water:</b>	Soluble.
· <b>Partition coefficient: n-octanol/water:</b>	Not determined.
· <b>Viscosity:</b>	
Dynamic:	Not applicable.
Kinematic:	Not applicable.
· <b>9.2 Other information</b>	No further relevant information available.

### SECTION 10: Stability and reactivity

- **10.1 Reactivity** No further relevant information available.
- **10.2 Chemical stability** No decomposition if used and stored according to specifications.
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **10.3 Possibility of hazardous reactions** No dangerous reactions known.
- **10.4 Conditions to avoid** No further relevant information available.
- **10.5 Incompatible materials:**  
Reacts with strong acids and oxidising agents.  
Reducing agent
- **10.6 Hazardous decomposition products:** No dangerous decomposition products known.

### SECTION 11: Toxicological information

- **11.1 Information on toxicological effects**
- **Acute toxicity** Based on available data, the classification criteria are not met.

**LD/LC50 values relevant for classification:****CAS: 497-19-8 sodium carbonate**

Oral LD50 4090 mg/kg (Rat)

**CAS: 15630-89-4 disodium carbonate, compound with hydrogenperoxide (2:3)**

Oral LD50 1034 mg/kg (Rat)

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<b>CAS: 5329-14-6 sulphamidic acid</b>		
Oral	LD50	3160 mg/kg (Rat)
<b>CAS: 25322-68-3 Polyethylene glycol</b>		
Oral	LD50	>10000 mg/kg (Rat)
Dermal	LD50	>20000 mg/kg (Rabbit)
<b>CAS: 160901-09-7 Alcohols, C9-11, branched and linear, ethoxylated</b>		
Oral	LD50	> 5050 mg/kg (Rat) (OECD Guideline 401) Read-across
Dermal	LD50	> 2000 mg/kg (Rat) (OECD Guideline 402) Read-across
Inhalative	LC50 (4h)	> 1.6 mg/L (Rat) (OECD Guideline 403) Read-across

- **Primary irritant effect:**
- **Skin corrosion/irritation**  
Causes skin irritation.
- **Serious eye damage/irritation**  
Causes serious eye irritation.
- **Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.
- **Toxicokinetics, metabolism and distribution** No further relevant information available.
- **Acute effects (acute toxicity, irritation and corrosivity)** No further relevant information available.
- **Repeated dose toxicity** No further relevant information available.
- **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**  
No further relevant information available.
- **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.
- **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.

## SECTION 12: Ecological information

### 12.1 Toxicity

#### Aquatic toxicity:

<b>CAS: 160901-09-7 Alcohols, C9-11, branched and linear, ethoxylated</b>	
EC50 (3h) (static)	140 mg/L (Bacteria) (activated sludge) Read-across
EC50 (48h) (static)	2.5 mg/L (Daphnia) (Daphnia magna)
EC50 (96h) (static)	1.4 mg/L (Algae) (Pseudokirchnerella subcapitata)
LC50 (96h) (static)	5.7 mg/L (Fish) (Oncorhynchus mykiss)

### 12.2 Persistence and degradability

Anorganic product, is not eliminable from water by means of biological cleaning processes.  
The organic portion of the product is biodegradable.

### 12.3 Bioaccumulative potential

No further relevant information available.

### 12.4 Mobility in soil

No further relevant information available.

### 12.5 Results of PBT and vPvB assessment

Not determined.

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- **12.6 Other adverse effects** No further relevant information available.

### SECTION 13: Disposal considerations

- **13.1 Waste treatment methods**
  - **Recommendation:** Must be specially treated adhering to official regulations.
- **European waste catalogue**

20 01 29*	detergents containing hazardous substances
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- **Uncleaned packaging**
  - **Recommendation:** Disposal must be made according to official regulations.
  - **Recommended cleansing agents:** Water, if necessary together with cleansing agents.

### SECTION 14: Transport information

- |  |  |
|--|--|
| · <b>14.1 UN-Number</b><br>· <b>ADR/RID/ADN, IMDG, IATA</b>                                    | Void   |
| · <b>14.2 UN proper shipping name</b><br>· <b>ADR/RID/ADN, IMDG, IATA</b>                      | Void   |
| · <b>14.3 Transport hazard class(es)</b><br>· <b>ADR/RID/ADN, IMDG, IATA</b><br>· <b>Class</b> | Void   |
| · <b>14.4 Packing group</b><br>· <b>ADR/RID/ADN, IMDG, IATA</b>                                | Void   |
| · <b>14.5 Environmental hazards:</b><br>· <b>Marine pollutant:</b>                             | No   |
| · <b>14.6 Special precautions for user</b>   | Not applicable.                                      |
| · <b>14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code:</b>        | No further relevant information available.           |
| · <b>Transport/Additional information:</b>   | Not dangerous according to the above specifications. |
| · <b>UN "Model Regulation":</b>  | Void   |

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### SECTION 15: Regulatory information

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
  - **Directive 2012/18/EU**
  - **Named dangerous substances - ANNEX I** None of the ingredients is listed.
- **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

### SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- **Relevant phrases**  
H272 May intensify fire; oxidiser.

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H302 Harmful if swallowed.  
H315 Causes skin irritation.  
H318 Causes serious eye damage.  
H319 Causes serious eye irritation.  
H335 May cause respiratory irritation.  
H412 Harmful to aquatic life with long lasting effects.

**Department issuing SDS:**

Chemservice GmbH  
Herrnsheimer Hauptstrasse 1b  
D-67550 Worms  
Tel.: +49 (0)6241-95480-0  
Fax: +49 (0)6241-95480-25  
Email: sds@chemservice-group.com

**Abbreviations and acronyms:**

REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals  
MARPOL: (from Marine Pollutant) International Convention for the Prevention of Marine Pollution from Ships  
IBC Code: International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk  
UN: United Nations (also UNO: United Nations Organization)  
NOEC: No Observed Effect Concentration  
OECD: Organisation for Economic Co-operation and Development  
ASTM: American Society for Testing and Materials  
WAF: Water Accommodated Fraction  
ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)  
IMDG: International Maritime Code for Dangerous Goods  
IATA: International Air Transport Association  
GHS: Globally Harmonised System of Classification and Labelling of Chemicals  
EINECS: European Inventory of Existing Commercial Chemical Substances  
ELINCS: European List of Notified Chemical Substances  
CAS: Chemical Abstracts Service (division of the American Chemical Society)  
LC50: Lethal concentration, 50 percent  
LD50: Lethal dose, 50 percent  
PBT: Persistent, Bioaccumulative and Toxic  
vPvB: very Persistent and very Bioaccumulative  
Ox. Liq. 2: Oxidizing liquids – Category 2  
Acute Tox. 4: Acute toxicity – Category 4  
Skin Irrit. 2: Skin corrosion/irritation – Category 2  
Eye Dam. 1: Serious eye damage/eye irritation – Category 1  
Eye Irrit. 2: Serious eye damage/eye irritation – Category 2  
STOT SE 3: Specific target organ toxicity (single exposure) – Category 3  
Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3

**\* Data compared to the previous version altered.**