

## Safety Data Sheet

according to 1907/2006/EC, Article 31

Printing date: 20.09.2017

Version No: 7

Revision: 20.09.2017

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

#### 1.1 Product identifier

Trade name: *Cafiza Espresso Machine Cleaner*

#### 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, LLC

700 Executive Blvd.

Elmsford, NY 10523 USA

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##### Further information obtainable from:

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Elmsford, NY 10523 USA

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Email: [info@urnex.com](mailto:info@urnex.com)

#### 1.4 Emergency telephone number:

Tel.: International: +1 (352) 323-3500

### 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.

STOT SE 3 H335 May cause respiratory irritation.

##### Classification according to Directive 67/548/EEC or Directive 1999/45/EC

*Xi; Irritant*

*R36/37/38: Irritating to eyes, respiratory system and skin.*

##### Information concerning particular hazards for human and environment:

*The product has to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.*

##### Classification system:

*The classification is according to the latest editions of the EU-lists, and extended by company and literature data.*

#### 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



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- **Signal word** Warning
- **Hazard-determining components of labelling:**  
Phosphoric acid, trisodium salt, dodecahydrate
- **Hazard statements**  
H315 Causes skin irritation.  
H319 Causes serious eye irritation.  
H335 May cause respiratory irritation.
- **Precautionary statements**  
P261 Avoid breathing dust/fume/gas/mist/vapours/spray.  
P280 Wear protective gloves/protective clothing/eye protection/face protection.  
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
P312 Call a POISON CENTER/doctor if you feel unwell.  
P405 Store locked up.  
P403+P233 Store in a well-ventilated place. Keep container tightly closed.  
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.
- **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: 10101-89-0	Phosphoric acid, trisodium salt, dodecahydrate ☒ Xi R36/37/38 ⚠ Skin Irrit. 2, H315; Eye Irrit. 2, H319; STOT SE 3, H335	< 50%
CAS: 15630-89-4 EINECS: 239-707-6	disodium carbonate, compound with hydrogenperoxide (2:3) ☒ Xn R22; ☒ Xi R41; ☒ O R8 ⚠ Ox. Liq. 2, H272; ⚠ Eye Dam. 1, H318; ⚠ Acute Tox. 4, H302	< 20%
CAS: 25155-30-0 EINECS: 246-680-4	sodium dodecylbenzenesulphonate, pure ☒ Xn R22 ⚠ Acute Tox. 4, H302	< 5%
CAS: 497-19-8 EINECS: 207-838-8 Index number: 011-005-00-2	sodium carbonate ☒ Xi R36 ⚠ Eye Irrit. 2, H319	< 5%
CAS: 68439-46-3	Alcohols, C9-11, ethoxylated ☒ Xn R22; ☒ Xi R36/38 ⚠ Acute Tox. 4, H302; Skin Irrit. 2, H315; Eye Irrit. 2, H319	≤ 1%

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

phosphates	≥ 30%
oxygen-based bleaching agents	15 - 30%
non-ionic surfactants	< 5%

· **Additional information:** For the wording of the listed risk phrases refer to section 16.

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### 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.
- **After inhalation:** Supply fresh air; consult doctor in case of complaints.
- **After skin contact:**
  - Immediately wash with water and soap and rinse thoroughly.
  - If skin irritation continues, consult a doctor.
- **After eye contact:**
  - Rinse opened eye for several minutes under running water. Then consult a doctor.
  - Remove contact lenses, if present and easy to do. Continue rinsing.
- **After swallowing:**
  - Rinse out mouth and then drink plenty of water.
  - Seek immediate medical advice.
- **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.

### 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.
  - Carbon monoxide
  - Carbon dioxide
  - Under certain fire conditions, traces of other toxic gases cannot be excluded.
- **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 clothing.
  - Avoid formation of dust.
- **6.2 Environmental precautions:**
  - Dilute with plenty of water.
  - Do not allow to enter sewers/ surface or ground water.
- **6.3 Methods and material for containment and cleaning up:**
  - Pick up mechanically.
  - Ensure adequate ventilation.
  - 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.

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See Section 13 for disposal information.

### SECTION 7: Handling and storage

- **7.1 Precautions for safe handling**
  - Ensure good ventilation/exhaustion at the workplace.
  - Any unavoidable deposit of dust must be regularly removed.
  - **Information about fire and explosion protection:** Keep respiratory protective device available.
- **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.
      - Store under lock and key and out of the reach of children.
      - Protect from humidity and water.
  - **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 inhale dust / smoke / mist.
      - 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

- Avoid direct contact with the chemical/ the product/ the preparation by organisational measures.
- The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
- **Material of gloves**
  - Natural rubber, NR
  - Nitrile rubber, NBR
  - 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

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· **Body protection:** Protective work clothing

### SECTION 9: Physical and chemical properties

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

##### · General Information

##### · Appearance:

· <b>Form:</b>	Solid
· <b>Colour:</b>	White
· <b>Odour:</b>	Characteristic

· **pH-value (10 g/l) at 20 °C:** 11.15 - 11.4

##### · Change in condition

· **Melting point/Melting range:** Not determined.· **Boiling point/Boiling range:** Not determined.· **Flash point:** Not determined.· **Flammability (solid, gaseous):** Product is not flammable.· **Ignition temperature:** Not determined.· **Decomposition temperature:** Not determined.· **Self-igniting:** Product is not selfigniting.· **Danger of explosion:** Product does not present an explosion hazard.

##### · Explosion limits:

· **Oxidising properties** No· **Density:** Not determined.

##### · Solubility in / Miscibility with water:

Soluble.

· **9.2 Other information** 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:

Strong oxidizing agents

Reducing agent

· **10.6 Hazardous decomposition products:** No dangerous decomposition products known.

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### SECTION 11: Toxicological information

#### · 11.1 Information on toxicological effects

##### · Acute toxicity:

##### · LD/LC50 values relevant for classification:

###### 10101-89-0 Phosphoric acid, trisodium salt, dodecahydrate

Oral	LD50	7400 mg/kg (Rat)
------	------	------------------

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

Oral	LD50	1034 mg/kg (Rat)
------	------	------------------

###### 25155-30-0 sodium dodecylbenzenesulphonate, pure

Oral	LD50	438 mg/kg (Rat)
------	------	-----------------

###### 497-19-8 sodium carbonate

Oral	LD50	4090 mg/kg (Rat)
------	------	------------------

###### 68439-46-3 Alcohols, C9-11, ethoxylated

Oral	LD50	>500-5000 mg/kg (Rat)
------	------	-----------------------

Dermal	LD50	>2000≤20000 mg/kg (Rabbit)
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##### · Primary irritant effect:

· **on the skin:** Irritant to skin and mucous membranes.

· **on the eye:** Irritating effect.

· **Sensitisation:** No sensitising effects known.

##### · Additional toxicological information:

The product shows the following dangers according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version:

Irritant

### SECTION 12: Ecological information

#### · 12.1 Toxicity

· **Aquatic toxicity:** No further relevant information available.

#### · 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.

##### · Additional ecological information:

##### · General notes:

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water

Do not allow product to reach ground water, water course or sewage system.

#### · 12.5 Results of PBT and vPvB assessment

· **PBT:** Not determined

· **vPvB:** Not determined

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

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### SECTION 13: Disposal considerations

- **13.1 Waste treatment methods**
- **Recommendation:** Smaller quantities can be disposed of with household waste.
- **Uncleaned packaging**
- **Recommendation:** Disposal must be made according to official regulations.

### SECTION 14: Transport information

- |   |  |
|---|--|
| · <b>14.1 UN-Number</b>   |  |
| · <b>ADR, ADN, IMDG, IATA</b>   | Void   |
| · <b>14.2 UN proper shipping name</b>   |  |
| · <b>ADR, ADN, IMDG, IATA</b>   | Void   |
| · <b>14.3 Transport hazard class(es)</b>  |  |
| · <b>ADR, ADN, IMDG, IATA</b>   |  |
| · <b>Class</b>  | Void   |
| · <b>14.4 Packing group</b>   |  |
| · <b>ADR, IMDG, IATA</b>  | Void   |
| · <b>14.5 Environmental hazards:</b>  |  |
| · <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> | Not applicable.                                      |
| · <b>Transport/Additional information:</b>  | Not dangerous according to the above specifications. |
| · <b>UN "Model Regulation":</b>   | -  |

### SECTION 15: Regulatory information

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**  
No further relevant information available.
- **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.
- H302 Harmful if swallowed.
- H315 Causes skin irritation.
- H318 Causes serious eye damage.
- H319 Causes serious eye irritation.
- H335 May cause respiratory irritation.
- R22 Harmful if swallowed.
- R36 Irritating to eyes.

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R36/37/38 Irritating to eyes, respiratory system and skin.  
R36/38 Irritating to eyes and skin.  
R41 Risk of serious damage to eyes.  
R8 Contact with combustible material may cause fire.

**· Department issuing SDS:**

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D-67550 Worms  
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**· Contact:** 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: Oxidising Liquids, Hazard Category 2  
Acute Tox. 4: Acute toxicity, Hazard Category 4  
Skin Irrit. 2: Skin corrosion/irritation, Hazard Category 2  
Eye Dam. 1: Serious eye damage/eye irritation, Hazard Category 1  
Eye Irrit. 2: Serious eye damage/eye irritation, Hazard Category 2  
STOT SE 3: Specific target organ toxicity - Single exposure, Hazard Category 3

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