

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

Printing date: 13.03.2012

Version-No: 4

Revision: 25.10.2011

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

- **Product identifier**
- **Trade name: Full Circle Coffee Tablets**
- **Relevant identified uses of the substance or mixture and uses advised against**
- **Application of the substance / the preparation: Espresso machine cleaning tablets**
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**

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

Chemservice GmbH  
Von-Steuben-Straße 13  
D-67549 Worms, Germany  
Tel.: +49 6241-95480-0  
Fax: +49 6241-95480-25  
Email: sds@chemservice-group.com
- **Emergency telephone number:**

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

## 2 Hazards identification


- **Classification of the substance or mixture**
- **Classification according to Directive 67/548/EEC or Directive 1999/45/EC**

Xi; Irritant  
R36: Irritating to eyes.
- **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.
- **Label elements**
- **Labelling according to EU guidelines:**

The product has been classified and marked in accordance with EU Directives / Ordinance on Hazardous Materials.  
Observe the general safety regulations when handling chemicals.
- **Code letter and hazard designation of product:**

 Xi Irritant
- **Risk phrases:**

36 Irritating to eyes.
- **Safety phrases:**

2 Keep out of the reach of children.  
22 Do not breathe dust.

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- 25 Avoid contact with eyes.
- 26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
- 46 If swallowed, seek medical advice immediately and show this container or label.

- **Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** Not determined
- **vPvB:** Not determined

### 3 Composition/information on ingredients

- **Chemical characterization: Mixtures**

- **Dangerous components:**

CAS: 497-19-8 EINECS: 207-838-8 Index number: 011-005-00-2	sodium carbonate ☒ Xi R36	< 30%
CAS: 15630-89-4 EINECS: 239-707-6	disodium carbonate, compound with hydrogenperoxide (2:3) ☒ Xn R22; ☒ Xi R41; ☒ O R8	< 20%
CAS: 77-92-9 EINECS: 201-069-1	citric acid ☒ Xi R36	< 10%
CAS: 68955-19-1 EINECS: 273-257-1	Sulfuric acid, mono-C12-18-alkyl esters, sodium salts ☒ Xi R38-41	< 5%

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

### 4 First aid measures

- **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 rinse with water.
- **After eye contact:** Rinse opened eye for several minutes under running water. Then consult a doctor.
- **After swallowing:**
  - Rinse out mouth and then drink plenty of water.
  - Seek immediate medical advice.
- **Information for doctor:**
  - Most important symptoms and effects, both acute and delayed** No further relevant information available.
  - Indication of any immediate medical attention and special treatment needed**  
No further relevant information available.

### 5 Firefighting measures

- **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
- **Special hazards arising from the substance or mixture**
  - Under certain fire conditions, traces of other toxic gases cannot be excluded.
  - Carbon monoxide (CO)
- **Advice for firefighters**
- **Protective equipment:** Wear self-contained respiratory protective device.

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**· Additional information***Cool endangered receptacles with water spray.**Collect contaminated fire fighting water separately. It must not enter the sewage system.***6 Accidental release measures****· Personal precautions, protective equipment and emergency procedures***Ensure adequate ventilation**Wear protective clothing.**Avoid formation of dust.***· Environmental precautions: Dilute with plenty of water.****· Methods and material for containment and cleaning up:***Pick up mechanically.**Ensure adequate ventilation.**Dispose of the material collected according to regulations.***· 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.***7 Handling and storage****· Handling:****· 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.****· 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 oxidizing agents.***· Further information about storage conditions:***Store under lock and key and out of the reach of children.**Protect from humidity and water.***· Specific end use(s)** *No further relevant information available.***8 Exposure controls/personal protection****· 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.***· Exposure controls****· Personal protective equipment:****· General protective and hygienic measures:***Do not inhale dust / smoke / mist.**Avoid contact with the eyes.**The usual precautionary measures are to be adhered to when handling chemicals.***· Respiratory protection:** *Not necessary if room is well-ventilated.***· Protection of hands:***Avoid direct contact with the chemical/ the product/ the preparation by organizational measures.*

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- **Material of gloves**  
Natural rubber, NR  
Nitrile rubber, NBR
- **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

## 9 Physical and chemical properties

**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:** 10.0 - 10.25**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.**Self-igniting:** Product is not selfigniting.**Danger of explosion:** Product does not present an explosion hazard.**Density:** Not determined.**Solubility in / Miscibility with water:** Soluble.**Solvent content:**

<b>Organic solvents:</b>	0.0 %
<b>Water:</b>	0.5 %

**Solids content:** 99.0 %**Other information** No further relevant information available.

## 10 Stability and reactivity

**Reactivity****Chemical stability****Thermal decomposition / conditions to be avoided:**

No decomposition if used and stored according to specifications.

**Possibility of hazardous reactions** No dangerous reactions known.**Conditions to avoid** No further relevant information available.**Incompatible materials:** Strong oxidizing agents**Hazardous decomposition products:** No dangerous decomposition products known.

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### 11 Toxicological information

- **Information on toxicological effects**
- **Acute toxicity:**

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

Oral LD50 4090 mg/kg (Rat)

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

Oral LD50 1034 mg/kg (Rat)

**77-92-9 citric acid**

Oral LD50 5040 mg/kg (Mouse)

11700 mg/kg (Rat)

- **Primary irritant effect:**
- **on the skin:** No irritant effect.
- **on the eye:** Irritating effect.
- **Sensitization:** No sensitizing 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

### 12 Ecological information

- **Toxicity**

**Aquatic toxicity:****77-92-9 citric acid**

EC0 (48h) 10000 mg/l (Bacteria)

LC50 (96h) 440-706 mg/l (Fish)

- **Persistence and degradability**  
Anorganic product, is not removable from water by biological cleaning process
- **Behaviour in environmental systems:**
- **Bioaccumulative potential** No further relevant information available.
- **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.
- **Results of PBT and vPvB assessment**
- **PBT:** Not determined
- **vPvB:** Not determined
- **Other adverse effects** No further relevant information available.

### 13 Disposal considerations

- **Waste treatment methods**
- **Recommendation:** Smaller quantities can be disposed of with household waste.

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- **Uncleaned packaging**
- **Recommendation:** Disposal must be made according to official regulations.

**14 Transport information**

- |  |                 |
|--|-----------------|
| · <b>UN-Number</b><br>· <b>ADR, IMDG, IATA</b>                                     | Void            |
| · <b>UN proper shipping name</b><br>· <b>ADR, IMDG, IATA</b>                       | Void            |
| · <b>Transport hazard class(es)</b><br>· <b>ADR, IMDG, IATA</b><br>· <b>Class</b>  | Void            |
| · <b>Packing group</b><br>· <b>ADR, IMDG, IATA</b>                                 | Void            |
| · <b>Environmental hazards:</b><br>· <b>Marine pollutant:</b>                      | No              |
| · <b>Special precautions for user</b>  | Not applicable. |
| · <b>Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code:</b> | Not applicable. |

**15 Regulatory information**

- **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

**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**  
R22 Harmful if swallowed.  
R36 Irritating to eyes.  
R38 Irritating to skin.  
R41 Risk of serious damage to eyes.  
R8 Contact with combustible material may cause fire.
- **Department issuing SDS:**  
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