



**Safety Data Sheet**  
according to 1907/2006/EC, Article 31

Printing date 13.04.2010

Version-No: 1

Revision: 13.04.2010

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

- **Product details**
- **Trade name:** Full Circle Coffee Tablets
- **Application of the substance / the preparation:** Espresso machine cleaning tablets
- **Manufacturer/Supplier:**  
Urnex Brands, Inc.  
29 Harley Street, London, W1G 9QR  
United Kingdom  
Tel: +44 (0)20 7927 6881
- **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: info@chemservice-group.com
- **Information in case of emergency:**  
Tel.: 800-424-9300 (USA)  
Tel.: 001-703-527-3887 (INTERNATIONAL COLLECT ACCEPTED)

### 2 Hazards identification

- **Hazard description:**



Xi Irritant

- **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.  
R 41 Risk of serious damage to eyes.
- **Classification system:**  
The classification is according to the latest editions of the EU-lists, and extended by company and literature data.

### 3 Composition/information on ingredients

- **Chemical characterization**

- **Dangerous components:**

CAS: 497-19-8 EINECS: 207-838-8 Index number: 011-005-00-2	sodium carbonate ☒ Xi; R 36	< 30%
CAS: 15630-89-4 EINECS: 239-707-6	disodium carbonate, compound with hydrogenperoxide (2:3) ☒ Xn, ☒ Xi, ☒ O; R 8-22-41	< 20%
CAS: 77-92-9 EINECS: 201-069-1	citric acid ☒ Xi; R 36	< 10%

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

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#### 4 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.

#### 5 Fire-fighting measures

· **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 caused by the substance, its products of combustion or resulting gases:**

Under certain fire conditions, traces of other toxic gases cannot be excluded.

Carbon monoxide (CO)

· **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.

#### 6 Accidental release measures

· **Person-related safety precautions:**

Wear protective clothing.

Ensure adequate ventilation

Avoid formation of dust.

· **Measures for environmental protection:** Dilute with plenty of water.

· **Measures for cleaning/collecting:**

Pick up mechanically.

Ensure adequate ventilation.

Dispose of the material collected according to regulations.

#### 7 Handling and storage

· **Handling:**

· **Information 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.

· **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.

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Protect from humidity and water.

**8 Exposure controls/personal protection**

- **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.
- **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.
- **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**

· <b>General Information</b>	
Form:	Solid
Colour:	White
Odour:	Characteristic
· <b>Change in condition</b> Melting point/Melting range: Undetermined. Boiling point/Boiling range: Undetermined.	
· <b>Flash point:</b>	Undetermined.
· <b>Flammability (solid, gaseous):</b>	Product is not flammable.
· <b>Self-igniting:</b>	Product is not selfigniting.
· <b>Danger of explosion:</b>	Product does not present an explosion hazard.
· <b>Density:</b>	Not determined.
· <b>Solubility in / Miscibility with water:</b>	Soluble.
· <b>pH-value (10 g/l) at 20°C:</b>	10.7
· <b>Solvent content:</b>	
Organic solvents:	0.0 %
Water:	0.5 %
· <b>Solids content:</b>	99.0 %

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### 10 Stability and reactivity

- **Thermal decomposition / conditions to be avoided:**  
No decomposition if used and stored according to specifications.
- **Materials to be avoided:** Strong oxidizing agents
- **Dangerous decomposition products:** No dangerous decomposition products known.

### 11 Toxicological information

- **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:** Strong irritant with the danger of severe eye injury.
- **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

- **Information about elimination (persistence and degradability):**  
Anorganic product, is not removable from water by biological cleaning process

- **Ecotoxicological effects:**

- **Acquatic toxicity:**

77-92-9 citric acid

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

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

- **Additional ecological information:**
- **General notes:**  
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

### 13 Disposal considerations

- **Product:**
- **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**

- **Land transport ADR/RID (cross-border)**
- **ADR/RID class:** Not classified

- **Maritime transport IMDG:**
- **IMDG Class:** Not classified
- **Marine pollutant:** No

- **Air transport ICAO-TI and IATA-DGR:**
- **ICAO/IATA Class:** Not classified

**15 Regulatory information**

- **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:**  
*41 Risk of serious damage to eyes.*
- **Safety phrases:**  
*2 Keep out of the reach of children.*  
*22 Do not breathe dust.*  
*25 Avoid contact with eyes.*  
*26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.*  
*39 Wear eye/face protection.*  
*46 If swallowed, seek medical advice immediately and show this container or label.*

**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 R-phrases**  
*22 Harmful if swallowed.*  
*36 Irritating to eyes.*  
*41 Risk of serious damage to eyes.*  
*8 Contact with combustible material may cause fire.*
- **Department issuing SDS:**  
*Chemservice GmbH*  
*Von-Steuben-Str. 13*  
*D-67549 Worms*  
*Tel.: +49 (0)6241-95480-0; Fax: +49 (0)6241-95480-25; Email: info@chemservice-group.com*
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