

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

Printing date 15.04.2010

Version-No: 1

Revision: 13.04.2010

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

- **Product details**
- **Trade name: Puro Brand Espresso Cleaning Tablets**
- **Application of the substance / the preparation: Espresso machine cleaning tablets**
- **Manufacturer/Supplier:**  

Urnex Brands, Inc. 170 Ludlow Street Yonkers, NY 10705 USA Phone: +1-914-963-2042 Fax: +1-914-963-2145	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: 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	< 35%
CAS: 15630-89-4 EINECS: 239-707-6	disodium carbonate, compound with hydrogenperoxide (2:3) ☒ Xn, ☒ Xi, ☒ O; R 8-22-41	< 24%
CAS: 5329-14-6 EINECS: 226-218-8 Index number: 016-026-00-0	sulphamidic acid ☒ Xi; R 36/38-52/53	< 20%

- **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>	
<b>Form:</b>	Solid
<b>Colour:</b>	White
<b>Odour:</b>	Characteristic
· <b>Change in condition</b>	
<b>Melting point/Melting range:</b> Undetermined.	
<b>Boiling point/Boiling range:</b> 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>	11
· <b>Solvent content:</b>	
<b>Organic solvents:</b>	0.0 %
<b>Solids content:</b>	100 %

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

Oral	LD50	1034 mg/kg (Rat)
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**5329-14-6 sulphamidic acid**

Oral	LD50	3160 mg/kg (Rat)
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· **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

· **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.

· **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

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- **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.  
36/38 Irritating to eyes and skin.  
41 Risk of serious damage to eyes.  
52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.  
8 Contact with combustible material may cause fire.
- **Department issuing SDS:**  
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Von-Steuben-Str. 13  
D-67549 Worms  
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