

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

Printing date: 24.09.2012

Version-No: 2

Revision: 24.09.2012

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

- **Product identifier**
- **Trade name:** Puro Brand Espresso Cleaning 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
--	---
- **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.

(Contd. on page 2)

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

Printing date: 24.09.2012

Version-No: 2

Revision: 24.09.2012

Trade name: Puro Brand Espresso Cleaning Tablets

(Contd. of page 1)

- 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	< 35%
CAS: 15630-89-4 EINECS: 239-707-6	disodium carbonate, compound with hydrogenperoxide (2:3)  Xn R22;  Xi R41;  O R8	< 22%
CAS: 5329-14-6 EINECS: 226-218-8 Index number: 016-026-00-0	sulphamidic acid  Xi R36/38 R52/53	< 20%

- **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.
 - 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.
- **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:**
 - CO₂, 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)

(Contd. on page 3)

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

Printing date: 24.09.2012

Version-No: 2

Revision: 24.09.2012

Trade name: Puro Brand Espresso Cleaning Tablets

(Contd. of page 2)

- **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.

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.

(Contd. on page 4)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date: 24.09.2012

Version-No: 2

Revision: 24.09.2012

Trade name: Puro Brand Espresso Cleaning Tablets

(Contd. of page 3)

- **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

- **Information on basic physical and chemical properties**
- **General Information**
- **Appearance:**

Form:	Solid
Colour:	White
- **Odour:** Characteristic
- **Odour threshold:** Not determined.
- **pH-value (10 g/l) at 20°C:** 10.04 - 11.08
- **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.
- **Explosion limits:**

Lower:	Not determined.
Upper:	Not determined.
- **Vapour pressure:** Not applicable.
- **Density:** Not determined.
- **Relative density** Not determined.
- **Vapour density** Not applicable.
- **Evaporation rate** Not applicable.
- **Solubility in / Miscibility with water:** Soluble.
- **Segregation coefficient (n-octanol/water):** Not determined.
- **Viscosity:**

Dynamic:	Not applicable.
Kinematic:	Not applicable.
- **Solvent content:**

Organic solvents:	0.0 %
-------------------	-------
- **Solids content:** 100 %

(Contd. on page 5)

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

Printing date: 24.09.2012

Version-No: 2

Revision: 24.09.2012

Trade name: Puro Brand Espresso Cleaning Tablets

(Contd. of page 4)

Other information

No further relevant information available.

10 Stability and reactivity

- **Reactivity**
- **Chemical stability** No decomposition if used and stored according to specifications.
- **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
Reducing agent
Reacts with strong acids.
- **Hazardous decomposition products:** No dangerous decomposition products known.

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)

5329-14-6 sulphamidic acid

Oral LD50 3160 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

- **Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **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.

(Contd. on page 6)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date: 24.09.2012

Version-No: 2

Revision: 24.09.2012

Trade name: Puro Brand Espresso Cleaning Tablets

(Contd. of page 5)

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

14 Transport information

- | | |
|---|--|
| · UN-Number | Void |
| · ADR, IMDG, IATA | Void |
| · UN proper shipping name | Void |
| · ADR, IMDG, IATA | Void |
| · Transport hazard class(es) | |
| · ADR, IMDG, IATA | |
| · Class | Void |
| · Packing group | |
| · ADR, IMDG, IATA | Void |
| · Environmental hazards: | |
| · Marine pollutant: | No |
| · Special precautions for user | Not applicable. |
| · Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code: | No further relevant information available. |
| · Transport/Additional information: | Not dangerous according to the above specifications. |

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.
- R36/38 Irritating to eyes and skin.
- R41 Risk of serious damage to eyes.
- R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
- R8 Contact with combustible material may cause fire.

(Contd. on page 7)

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

Printing date: 24.09.2012

Version-No: 2

Revision: 24.09.2012

Trade name: Puro Brand Espresso Cleaning Tablets

(Contd. of page 6)

· 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: sds@chemservice-group.com

GB