

**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 Cleaner*
- **Relevant identified uses of the substance or mixture and uses advised against**
- **Application of the substance / the preparation:** *Espresso machine cleaner*
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**

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


*R36/37/38: 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.*
- **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:**

*36/37/38 Irritating to eyes, respiratory system and skin.*
- **Safety phrases:**

*2 Keep out of the reach of children.*

*22 Do not breathe dust.*

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24/25 Avoid contact with skin and 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: 15630-89-4 EINECS: 239-707-6	disodium carbonate, compound with hydrogenperoxide (2:3)  Xn R22;  Xi R41;  O R8	< 20%
CAS: 25155-30-0 EINECS: 246-680-4	sodium dodecylbenzenesulphonate, pure  Xn R22	< 5%
CAS: 497-19-8 EINECS: 207-838-8 Index number: 011-005-00-2	sodium carbonate  Xi R36	< 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 wash with water and soap and rinse thoroughly.

· **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**

Carbon monoxide (CO)

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

· **Advice for firefighters**

· **Protective equipment:** Wear self-contained respiratory protective device.

· **Additional information**

Cool endangered receptacles with water spray.

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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.

Do not allow to enter sewers/ surface or ground 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:**

Keep container tightly sealed.

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.

Immediately remove all soiled and contaminated clothing.

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.

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- **Protection of hands:**  
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
- **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
- **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.
- **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:**

Organic solvents:	0.0 %
Solids content:	100.0 %
- **Other information** No further relevant information available.

## 10 Stability and reactivity

- **Reactivity**
- **Chemical stability**
- **Thermal decomposition / conditions to be avoided:** No decomposition if used 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

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

### 11 Toxicological information

· **Information on toxicological effects**

· **Acute toxicity:**

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

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

Oral LD50 1034 mg/kg (Rat)

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

Oral LD50 2000 mg/kg (Rat)

**497-19-8 sodium carbonate**

Oral LD50 4090 mg/kg (Rat)

· **Primary irritant effect:**

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

· **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:** 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.

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.

· **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>  | Void            |
| · <b>ADR, ADN, IMDG, IATA</b>   | Void            |
| · <b>UN proper shipping name</b>  | Void            |
| · <b>ADR, ADN, IMDG, IATA</b>   | Void            |
| · <b>Transport hazard class(es)</b>   |                 |
| · <b>ADR, ADN, IMDG, IATA</b>   |                 |
| · <b>Class</b>  | Void            |
| · <b>Packing group</b>  |                 |
| · <b>ADR, IMDG, IATA</b>  | Void            |
| · <b>Environmental hazards:</b>   |                 |
| · <b>Marine pollutant:</b>  | No              |
| · <b>Special precautions for user</b>   | Not applicable. |
| · <b>Transport in bulk according to Annex II of MARPOL73/78 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.  
R41 Risk of serious damage to eyes.  
R8 Contact with combustible material may cause fire.
- **Department issuing SDS:**  
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