



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

Printing date: 13.03.2012

Version-No: 4

Revision: 13.03.2012

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

- **Product identifier**
- **Trade name:** Pakz Coffee Equipment Cleaner
- **Relevant identified uses of the substance or mixture and uses advised against**
- **Application of the substance / the preparation:** Coffee equipment cleaner
- **Details of the supplier of the safety data sheet**

- **Manufacturer/Supplier:**

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

- **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**
C; Corrosive
R34: Causes burns.
Xi; Irritant
R37/38: Irritating to 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:**



C Corrosive

- **Hazard-determining components of labelling:**

disodium metasilicate

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· Risk phrases:

- 34 Causes burns.
37/38 Irritating to respiratory system and skin.

· Safety phrases:

- 20 When using do not eat or drink.
25 Avoid contact with eyes.
26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
36/37/39 Wear suitable protective clothing, gloves and eye/face protection.
45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
60 This material and its container must be disposed of as hazardous waste.

· 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: 10101-89-0	Phosphoric acid, trisodium salt, dodecahydrate Xi R36/37/38	< 50%
CAS: 6834-92-0 EINECS: 229-912-9 Index number: 014-010-00-8	disodium metasilicate C R34; Xi R37	< 30%
CAS: 7758-16-9	disodium dihydrogenpyrophosphate Xi R36	5%
CAS: 15630-89-4 EINECS: 239-707-6	disodium carbonate, compound with hydrogenperoxide (2:3) Xn R22; Xi R41; O R8	< 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.

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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)
- **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.
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.*

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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.*
- **Protection of hands:**
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation.
- **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:	<i>Solid</i>
Colour:	<i>Light blue</i>
Odour:	<i>Characteristic</i>
- **pH-value (10 g/l) at 20°C:** *11.45*
- **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:	<i>0.0 %</i>
Solids content:	<i>100.0 %</i>

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· **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.

11 Toxicological information

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

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

10101-89-0 Phosphoric acid, trisodium salt, dodecahydrate

Oral LD50 7400 mg/kg (Rat)

6834-92-0 disodium metasilicate

Oral LD50 1153 mg/kg (Rat)

7758-16-9 disodium dihydrogenpyrophosphate

Dermal LD50 > 2000 mg/kg (Rat)

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

Oral LD50 1034 mg/kg (Rat)

- **Primary irritant effect:**
- **on the skin:**
Caustic effect on skin and mucous membranes.
Irritant to skin and mucous membranes.
- **on the eye:** Strong caustic 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:
Corrosive
Irritant
Swallowing will lead to a strong caustic effect on mouth and throat and to the danger of perforation of esophagus and stomach.

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.

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

14 Transport information

- | | |
|---|---|
| · UN-Number
· ADR, IMDG, IATA | UN3262 |
| · UN proper shipping name
· ADR
· IMDG, IATA | 3262 CORROSIVE SOLID, BASIC, INORGANIC, N.O.S. (disodium metasilicate)
CORROSIVE SOLID, BASIC, INORGANIC, N.O.S. (disodium metasilicate) |
| · Transport hazard class(es)
· ADR | |
|  | |
| · Class
· Label | 8 Corrosive substances.
8 |
| · IMDG, IATA | |
|  | |
| · Class
· Label | 8 Corrosive substances.
8 |
| · Packing group
· ADR, IMDG, IATA | II |
| · Environmental hazards:
· Marine pollutant: | No |
| · Special precautions for user
· Danger code (Kemler): | Warning: Corrosive substances.
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- | | |
|---|-----------------|
| · EMS Number: | F-A,S-B |
| · Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code: | Not applicable. |
| · Transport/Additional information: | |
| · ADR | |
| · Excepted quantities (EQ): | E2 |
| · Limited quantities (LQ) | 1 kg |
| · Transport category | 2 |
| · Tunnel restriction code | E |

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.
 - R34 Causes burns.
 - R36 Irritating to eyes.
 - R36/37/38 Irritating to eyes, respiratory system and skin.
 - R37 Irritating to respiratory system.
 - R41 Risk of serious damage to eyes.
 - R8 Contact with combustible material may cause fire.
- **Department issuing SDS:**
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 - Von-Steuben-Str. 13
 - D-67549 Worms
 - Tel.: +49 (0)6241-95480-0
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