

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

Printing date: 17.05.2018

Version No: 9

Revision: 17.05.2018


**SECTION 1: Identification of the substance/mixture and of the company/undertaking**

- **1.1 Product identifier**
- **Trade name:** *Urnex Urn & Brewer Cleaner*
- **1.2 Relevant identified uses of the substance or mixture and uses advised against**
- **Application of the substance / the preparation:** *Coffee/Espresso machine/equipment cleaner*
- **Uses advised against:** *No further relevant information available.*
- **1.3 Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**

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

<i>Urnex Brand, LLC.</i>
<i>700 Executive Blvd.</i>
<i>Elmsford, NY 10523 USA</i>
<i>Phone: +1-914-963-2042</i>
<i>Fax: +1-914-963-2145</i>
<i>Email: info@urnex.com</i>
- **1.4 Emergency telephone number:**  
*Tel.: International: +1 (352) 323-3500*

**SECTION 2: Hazards identification**

- **2.1 Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**  
*Eye Irrit. 2 H319 Causes serious eye irritation.*
- **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.*
- **2.2 Label elements**
- **Labelling according to Regulation (EC) No 1272/2008**  
*The product is classified and labelled according to the CLP regulation.*
- **Hazard pictograms**
- 
- **GHS07**
- **Signal word** *Warning*
- **Hazard-determining components of labelling:**  
*Silicic acid, sodium salt*

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- **Hazard statements**

H319 Causes serious eye irritation.

- **Precautionary statements**

P280

Wear protective gloves/protective clothing/eye protection/face protection.

P264

Wash thoroughly after handling.

P305+P351+P338 **IF IN EYES:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337+P313

If eye irritation persists: Get medical advice/attention.

- **2.3 Other hazards**

- **Results of PBT and vPvB assessment**

- **PBT:** Not determined

- **vPvB:** Not determined

### SECTION 3: Composition/information on ingredients

- **3.2 Chemical characterisation: Mixtures**

- **Dangerous components:**

CAS: 497-19-8 EINECS: 207-838-8 Index number: 011-005-00-2	sodium carbonate Xi R36 ----- Eye Irrit. 2, H319	> 50%
CAS: 1344-09-8 EINECS: 215-687-4	Silicic acid, sodium salt Xi R38-41 ----- Eye Dam. 1, H318; Skin Irrit. 2, H315	< 3%
CAS: 15630-89-4 EINECS: 239-707-6	disodium carbonate, compound with hydrogenperoxide (2:3) Xn R22; Xi R41; O R8 ----- Ox. Liq. 2, H272; Eye Dam. 1, H318; Acute Tox. 4, H302	< 3%

- **Regulation (EC) No 648/2004 on detergents / Labelling for contents**

phosphates, oxygen-based bleaching agents

< 5%

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

### SECTION 4: First aid measures

- **4.1 Description of first aid measures**

- **General information:**

Take affected persons out of danger area and lay down.

In case of irregular breathing or respiratory arrest provide artificial respiration.

- **After inhalation:** Supply fresh air.

- **After skin contact:** Immediately rinse with water.

- **After eye contact:**

**IF IN EYES:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Seek medical treatment.

- **After swallowing:** Rinse out mouth and then drink plenty of water.

- **4.2 Most important symptoms and effects, both acute and delayed** No further relevant information available.

- **4.3 Indication of any immediate medical attention and special treatment needed**

No further relevant information available.

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### SECTION 5: Firefighting measures

- **5.1 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*
- **5.2 Special hazards arising from the substance or mixture**  
*Formation of toxic gases is possible during heating or in case of fire. In case of fire, the following can be released:*  
*Carbon monoxide*  
*Carbon dioxide*  
*Under certain fire conditions, traces of other toxic gases cannot be excluded.*
- **5.3 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.*

### SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures**  
*Ensure adequate ventilation.*  
*Wear protective clothing.*  
*Avoid formation of dust.*
- **6.2 Environmental precautions:**  
*Dilute with plenty of water.*  
*Do not allow to enter sewers/ surface or ground water.*
- **6.3 Methods and material for containment and cleaning up:**  
*Ensure adequate ventilation.*  
*Pick up mechanically.*  
*Dispose of the material collected according to regulations.*
- **6.4 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.*

### SECTION 7: Handling and storage

- **7.1 Precautions for safe handling**  
*Prevent formation of dust.*  
*Ensure good ventilation/exhaustion at the workplace.*  
*Any unavoidable deposit of dust must be regularly removed.*
- **Information about fire and explosion protection:**  
*Dust can combine with air to form an explosive mixture.*  
*Keep respiratory protective device available.*  
*Keep ignition sources away - Do not smoke.*  
*Protect against electrostatic charges.*
- **7.2 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 oxidising agents.*

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- **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.*
- **7.3 Specific end use(s)** *No further relevant information available.*

### SECTION 8: Exposure controls/personal protection

- **8.1 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.*
- **8.2 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:**  
*No chemical-protective gloves required.*  
*Avoid direct contact with the chemical/ the product/ the preparation by organisational measures.*  
*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*

### SECTION 9: Physical and chemical properties

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

· <b>Form:</b>	<i>Powder</i>
· <b>Colour:</b>	<i>Light blue</i>
· <b>Odour:</b>	<i>Characteristic</i>
· <b>Odour threshold:</b>	<i>Not determined.</i>
- **pH-value (10 g/l) at 20 °C:** *11.18 - 11.36*
- **Change in condition**

· <b>Melting point/Melting range:</b>	<i>Not determined.</i>
· <b>Boiling point/Boiling range:</b>	<i>Not determined.</i>
- **Flash point:** *Not determined.*
- **Flammability (solid, gaseous):** *Not determined.*
- **Self-igniting:** *Product is not selfigniting.*

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· <b>Danger of explosion:</b>	<i>Product does not present an explosion hazard.</i>
· <b>Explosion limits:</b>	
<b>Lower:</b>	<i>Not determined.</i>
<b>Upper:</b>	<i>Not determined.</i>
· <b>Vapour pressure:</b>	<i>Not applicable.</i>
· <b>Density:</b>	<i>Not determined.</i>
· <b>Relative density</b>	<i>Not determined.</i>
· <b>Vapour density</b>	<i>Not applicable.</i>
· <b>Evaporation rate</b>	<i>Not applicable.</i>
· <b>Solubility in / Miscibility with water:</b>	<i>Soluble.</i>
· <b>Partition coefficient (n-octanol/water):</b>	<i>Not determined.</i>
· <b>Viscosity:</b>	
<b>Dynamic:</b>	<i>Not applicable.</i>
<b>Kinematic:</b>	<i>Not applicable.</i>
· <b>9.2 Other information</b>	<i>No further relevant information available.</i>

### SECTION 10: Stability and reactivity

- **10.1 Reactivity** *No further relevant information available.*
- **10.2 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.*
- **10.3 Possibility of hazardous reactions**  
*Reacts with reducing agents.*  
*Reacts with strong acids and oxidising agents.*
- **10.4 Conditions to avoid** *No further relevant information available.*
- **10.5 Incompatible materials:**  
*Strong oxidizing agents*  
*Reducing agent*  
*Reacts with strong acids.*
- **10.6 Hazardous decomposition products:** *No dangerous decomposition products known.*

### SECTION 11: Toxicological information

- **11.1 Information on toxicological effects**
- **Acute toxicity** *Based on available data, the classification criteria are not met.*

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

**CAS: 497-19-8 sodium carbonate**

Oral	LD50	4090 mg/kg (Rat)
------	------	------------------

**CAS: 1344-09-8 Silicic acid, sodium salt**

Oral	LD50	> 2000 mg/kg (Rat)
------	------	--------------------

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

Oral	LD50	1034 mg/kg (Rat)
------	------	------------------

- **Primary irritant effect:**
- **Skin corrosion/irritation** *Based on available data, the classification criteria are not met.*

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- **Serious eye damage/irritation**  
Causes serious eye irritation.
- **Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.
- **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**
- **Germ cell mutagenicity** Based on available data, the classification criteria are not met.
- **Carcinogenicity** Based on available data, the classification criteria are not met.
- **Reproductive toxicity** Based on available data, the classification criteria are not met.
- **STOT-single exposure** Based on available data, the classification criteria are not met.
- **STOT-repeated exposure** Based on available data, the classification criteria are not met.
- **Aspiration hazard** Based on available data, the classification criteria are not met.

### SECTION 12: Ecological information

#### · 12.1 Toxicity

##### · Aquatic toxicity:

CAS: 1344-09-8 Silicic acid, sodium salt

EC0 (48h) &gt; 1000 mg/L (Bacteria)

EC50 (48h) 4857 mg/L (Daphnia)

LC50 (96h) 3185 mg/L (Fish)

#### · 12.2 Persistence and degradability

Anorganic product, is not eliminable from water by means of biological cleaning processes.  
The organic portion of the product is biodegradable.

- **12.3 Bioaccumulative potential** No further relevant information available.
- **12.4 Mobility in soil** No further relevant information available.
- **12.5 Other adverse effects** No further relevant information available.

### SECTION 13: Disposal considerations

- **13.1 Waste treatment methods**
- **Recommendation:** Smaller quantities can be disposed of with household waste.
- **Uncleaned packaging**
- **Recommendation:** Disposal must be made according to official regulations.

### SECTION 14: Transport information

- |  |      |
|--|------|
| · <b>14.1 UN-Number</b>                  | Void |
| · <b>ADR,RID,ADN, IMDG, IATA</b>         | Void |
| · <b>14.2 UN proper shipping name</b>    | Void |
| · <b>ADR,RID,ADN, IMDG, IATA</b>         | Void |
| · <b>14.3 Transport hazard class(es)</b> | Void |
| · <b>ADR,RID,ADN, IMDG, IATA</b>         | Void |
| · <b>Class</b>                           | Void |
| · <b>14.4 Packing group</b>              | Void |
| · <b>ADR,RID,ADN, IMDG, IATA</b>         | Void |

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- |   |  |
|---|--|
| · <b>14.5 Environmental hazards:</b>  |  |
| · <b>Marine pollutant:</b>  | No   |
| · <b>14.6 Special precautions for user</b>  | Not applicable.                                      |
| · <b>14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code:</b> | No further relevant information available.           |
| · <b>Transport/Additional information:</b>  | Not dangerous according to the above specifications. |
| · <b>UN "Model Regulation":</b>   | Void   |

**SECTION 15: Regulatory information**

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **Labelling according to Regulation (EC) No 1272/2008**
- **Precautionary statements**  
Wear protective gloves/protective clothing/eye protection/face protection.  
Wash thoroughly after handling.
- **Directive 2012/18/EU**
- **Named dangerous substances - ANNEX I** None of the ingredients is listed.
- **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

**SECTION 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**  
H272 May intensify fire; oxidiser.  
H302 Harmful if swallowed.  
H315 Causes skin irritation.  
H318 Causes serious eye damage.  
H319 Causes serious eye irritation.  
.....  
R22 Harmful if swallowed.  
R36 Irritating to eyes.  
R38 Irritating to skin.  
R41 Risk of serious damage to eyes.  
R8 Contact with combustible material may cause fire.
- **Department issuing SDS:**  
Chemservice GmbH  
Herrnsheimer Hauptstrasse 1b  
D-67550 Worms  
Tel.: +49 (0)6241-95480-0  
Fax: +49 (0)6241-95480-25  
Email: sds@chemservice-group.com
- **Abbreviations and acronyms:**  
RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)  
ICAO: International Civil Aviation Organisation  
REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals  
MARPOL: (from Marine Pollutant) International Convention for the Prevention of Marine Pollution from Ships  
IBC Code: International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk  
UN: United Nations (also UNO: United Nations Organization)

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*NOEC: No Observed Effect Concentration*

*OECD: Organisation for Economic Co-operation and Development*

*ASTM: American Society for Testing and Materials*

*WAF: Water Accommodated Fraction*

*ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)*

*IMDG: International Maritime Code for Dangerous Goods*

*IATA: International Air Transport Association*

*GHS: Globally Harmonised System of Classification and Labelling of Chemicals*

*EINECS: European Inventory of Existing Commercial Chemical Substances*

*ELINCS: European List of Notified Chemical Substances*

*CAS: Chemical Abstracts Service (division of the American Chemical Society)*

*LC50: Lethal concentration, 50 percent*

*LD50: Lethal dose, 50 percent*

*PBT: Persistent, Bioaccumulative and Toxic*

*vPvB: very Persistent and very Bioaccumulative*

*Ox. Liq. 2: Oxidizing liquids – Category 2*

*Acute Tox. 4: Acute toxicity – Category 4*

*Skin Irrit. 2: Skin corrosion/irritation – Category 2*

*Eye Dam. 1: Serious eye damage/eye irritation – Category 1*

*Eye Irrit. 2: Serious eye damage/eye irritation – Category 2*

· **\* Data compared to the previous version altered.**

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