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

- **Product identifier**

- **Trade name:** Urnex Urn & Brewer 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

- **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](image)

- **Risk phrases:**
  36 Irritating to eyes.

- **Safety phrases:**
  2 Keep out of the reach of children.
  22 Do not breathe dust.
  25 Avoid contact with eyes.
Trade name: Urnex Urn & Brewer Cleaner

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 | sodium carbonate | Xi R36 | > 50% |
  | EINECS: 207-838-8 | Index number: 011-005-00-2 |
  | CAS: 1344-09-8 | Silicic acid, sodium salt | Xi R38-41 | < 5% |
  | EINECS: 215-687-4 |

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.
    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
  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.
  - Advice for firefighters
  - Protective equipment: Wear self-contained respiratory protective device.
Trade name: Urnex Urn & Brewer Cleaner

· 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:
  Ensure adequate ventilation.
  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
    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.

  · 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.

**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 breakthrough 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

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**9 Physical and chemical properties**

- **Information on basic physical and chemical properties**

  **General Information**
  
  **Appearance:**
  
  - Form: Powder
  - Colour: Light blue
  - Odour: Characteristic
  - Odour threshold: Not determined.

  **pH-value (10 g/l) at 20°C:**
  11.18 - 11.36

  **Change in condition**
  
  - Melting point/Melting range: Undetermined.
  - Boiling point/Boiling range: Undetermined.

  **Flash point:**
  Undetermined.

  **Flammability (solid, gaseous):** Not determined.

  **Self-igniting:**
  Product is not self-igniting.

  **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.
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**
    Reacts with reducing agents.
  - **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:**
      | Compound                      | Oral LD50 | Oral LC50 |
      |-------------------------------|-----------|-----------|
      | 497-19-8 sodium carbonate     | 4090 mg/kg (Rat) |          |
      | 1344-09-8 Silicic acid, sodium salt | > 2000 mg/kg (Rat) |          |
  - **Primary irritant effect:**
    - **on the skin:** No irritant effect.
    - **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:**
    | Compound                      | EC0 (48h) | EC50 (48h) | LC50 (96h) |
    |-------------------------------|-----------|------------|------------|
    | 1344-09-8 Silicic acid, sodium salt | > 1000 mg/L (Bacteria) | 4857 mg/L (Daphnia) | 3185 mg/L (Fish) |
· **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.
  · **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**: Void

· **UN proper shipping name**
  · **ADR, IMDG, IATA**: Void

· **Transport hazard class(es)**
  · **ADR, IMDG, IATA**: Void
  · **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
  R36 Irritating to eyes.
  R38 Irritating to skin.
  R41 Risk of serious damage to eyes.

- 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