

Material safety data sheet

1. Identification of the substance/preparation and of the company undertaking

Commercial product name **UDC**
 Description Urinal Dosing Chemical
 Manufacturer **Eco-Hygiene Ltd**
 Eco-House
 Hussey Road
 Battlefield
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2. Composition and information on ingredients

Hazardous components	Conc.	CAS	Risks	EINECS
Citric Acid Anhydrous	20 - 30%	77-92-9	Xi;R36	201-069-1
C10-C16 alkyl dimethyl benzyl ammonium chloride	1 - 10%	68989-00-4	Xn;R22 C;R34 N;R50	273-544-1

3. Hazards identification

Most important hazards: Irritating to eyes.

4. First aid measures

- **Skin contact:** Mild irritation. Wash off with plenty of water. Remove contaminated clothing. In the case of skin irritation or allergic reactions see a physician.
- **Eye contact:** Irritating to eyes. Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If eye irritation persists, consult a specialist.
- **Ingestion:** Clean mouth with water and drink afterwards plenty of water. Do NOT induce vomiting.
- **Inhalation:** Move to fresh air. Consult a physician after significant exposure.
- **General advice:** If you feel unwell, seek medical advice (show the label where possible).

If symptoms persist seek medical advice

5. Fire fighting measures

- **Suitable extinguishing:** Carbon dioxide, dry chemical, foam or waterspray.
- **Specific hazards:** Oxides of carbon.
- **Special exposure hazards:** None
- **Special protective equipment for fire-fighters:** In the event of fire, wear self-contained breathing apparatus

6. Accidental release measures

- **Personal precautions:** Ensure adequate ventilation. Use personal protective equipment
- **Environmental:** Prevent further leakage or spillage if safe to do so. Local authorities should
- **Precautions:** be advised if significant spillages cannot be contained.
- **Methods for cleaning up:** Never return spills in original containers for re-use. Contain with sand or granules. Sweep up or vacuum up spillage and collect in suitable container for disposal.

7. Handling and storage

- **Handling:** Always have on hand a first-aid kit, together with proper instructions. Avoid contact with skin and eyes. Ensure adequate ventilation or exhaust ventilation in the working area.
- **Storage:** Keep containers tightly closed in a dry, cool and well-ventilated place. Keep in properly labelled containers.

8. Exposure controls/personal protection

- **Engineering measures:** Ensure adequate ventilation, especially in confined areas.
- **Respiratory protection:** No personal respiratory protective equipment normally required.
- **Hand protection:** Rubber gloves.
- **Eye protection:** Safety glasses.
- **Skin and body protection:** Industrial cotton overall.
- **Environmental exposure Controls:** Users should be aware of environmental considerations and their duties under the Environmental Protection Act.

9. Physical and chemical properties

Description: Liquid.
Colour: Opaque.
Odour: Characteristic.
Ph: <2
Relative density: 1.080 - 1.100
Water solubility: soluble.
Boiling point: 100°C
Melting Point: Not applicable
Flash Point: Not applicable
Flammability: Non Flammable

10. Stability and reactivity

- **Stability:** Stable under normal conditions.
- **Materials to avoid:** Strong bases. Strong oxidizing agents.

11. Toxicological information

- **Acute toxicity:** The material is unlikely to cause any adverse effects in normal conditions of handling and use.

12. Ecological information

- **Mobility:** Miscible in water.
- **Persistence and Degradability:** Readily biodegradable

13. Disposal considerations

Dispose of in accordance with local regulations.

14. Transport information

ADR/RID Not classified as hazardous for transport.

15. Regulatory information

- **Symbol(s):** Xi - Irritant



- **R-phrases(s):** R36 - Irritating to eyes.

16. Other information

- **Text of R phrases mentioned in Section 2:**

- R22 - Harmful if swallowed.
- R34 - Causes burns.
- R36 - Irritating to eyes.
- R50 - Very toxic to aquatic organisms.

- **Training advice:** COSHH-the information contained does not constitute an assessment of workplace risks.

- **Further information:** The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text. This version replaces all previous versions.