



Safety Data Sheet

QR Toilet Descaler & Rust Remover

Date of Compilation: 2025-09-25

SAFETY DATA SHEET (SDS)

For: QR Toilet Descaler & Rust Remover

Product Code: QR-TDR1

SECTION 1: Identification of the Substance/Mixture and of the Company

1.1 Product Identifier

- Product Name: QR Toilet Descaler & Rust Remover
- Product Code: QR-TDR1

1.2 Relevant Identified Uses

- Identified Uses: Specialized cleaner for removing rust stains, lime scale, and hard water deposits from toilet bowls and ceramic sanitary ware.
- Uses Advised Against: Not suitable for marble, limestone, or chrome-plated surfaces. Avoid mixing with bleach or alkaline cleaners.

1.3 Manufacturer Details

- Manufacturer: ALKIDRA GROUP ENTERPRISES UK LIMITED
- Address: 86-90 Paul Street, London, England, EC2A 4NE
- Emergency Phone: +44 1514581046
- Email: info@kidra.co.uk

SECTION 2: Hazards Identification

2.1 Classification (GHS):

- Skin Corrosion/Irritation: Category 1B
- Eye Damage: Category 1
- Specific Target Organ Toxicity (STOT-SE): Category 3 (respiratory irritation)

2.2 Label Elements:

- Signal Word: Danger
- Hazard Statements:
 - H314: Causes severe skin burns and eye damage.
 - H335: May cause respiratory irritation.
- Precautionary Statements:
 - Wear gloves, protective clothing, and eye/face protection.
 - Use only in well-ventilated areas.
 - Keep out of reach of children.

2.3 Other Hazards:

- Contains acidic cleaning agents and inhibitors. Not classified as PBT/vPvB.

SECTION 3: Composition/Information on Ingredients

3.1 Substance Type: Mixture (acidic aqueous formulation)

Component	Function	Approx. % w/w
Hydrogen Chloride	Primary descaling agent, dissolves mineral & rust deposits	7 – 10%
Sulfamic acid (low %)	Auxiliary descaler, enhances action	1 – 2%
Non-ionic surfactants	Wetting and soil penetration aid	0.5 – 1%
Corrosion inhibitor	Protects toilet fittings & plumbing	0.2 – 0.5%
Thickener (e.g., xanthan/PEG)	Provides gel-like adhesion on surfaces	0.3 – 0.8%
Fragrance & dye	Mask odor, provide fresh appearance	0.1 – 0.3%



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Water (Aqua)	Solvent	To 100%
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SECTION 4: First Aid Measures

- Inhalation: Move to fresh air. If symptoms persist, seek medical advice.
- Skin Contact: Rinse immediately with plenty of water. Remove contaminated clothing.
- Eye Contact: Rinse cautiously with water for at least 15 minutes, seek urgent medical attention.
- Ingestion: Rinse mouth, do not induce vomiting, seek immediate medical care.

SECTION 5: Firefighting Measures

- Product is non-flammable.
- Extinguishing Media: Foam, CO₂, dry powder.
- Hazards: May release irritating vapors under heat.
- PPE: Firefighters should wear acid-resistant protective equipment.

SECTION 6: Accidental Release Measures

- Personal Precautions: Avoid eye and skin contact. Wear acid-resistant PPE.
- Environmental Precautions: Prevent large spills from entering drains.
- Cleanup: Neutralize with soda ash or lime, absorb with inert material, dispose in accordance with regulations.

SECTION 7: Handling and Storage

- Handling: Do not mix with bleach (toxic chlorine gas risk). Ensure good ventilation.
- Storage: Keep in original, tightly closed containers. Store away from alkalis, oxidizers, and direct sunlight.

SECTION 8: Exposure Controls/Personal Protection

- Occupational Exposure Limit (HCl):
 - ACGIH TLV: 2 ppm (Ceiling)
- Personal Protection:
 - Eyes: Chemical safety goggles/face shield.
 - Skin: Acid-resistant gloves and apron.
 - Respiratory: Mask if ventilation is poor.
 - Hygiene: Wash hands thoroughly after use.

SECTION 9: Physical and Chemical Properties

- Odor: Freshly fragranced with mild acidic undertone
- pH (neat): < 2
- Density: 1.05 – 1.10 g/cm³
- Solubility: Fully soluble in water

SECTION 10: Stability and Reactivity

- Stable under normal conditions.
- Incompatible with: Chlorine-based cleaners, strong alkalis, oxidizing agents.
- Hazardous decomposition: Hydrogen chloride vapors, chlorine gas (if mixed with bleach).

SECTION 11: Toxicological Information

- Strongly corrosive to eyes, skin, and mucous membranes.
- Vapors may cause coughing and throat irritation.



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SECTION 12: Ecological Information

- Product is highly acidic; may alter water pH if released in large quantities.
- Surfactants are biodegradable per OECD guidelines.

SECTION 13: Disposal Considerations

- Neutralize before disposal.
- Dispose of in accordance with local/national hazardous waste regulations.

SECTION 14: Transport Information

- UN Number: 1789
- Class: 8 (Corrosive)
- Packing Group: II
- Label: Corrosive

SECTION 15: Regulatory Information

- Classified under CLP Regulation (EC) No. 1272/2008.
- Product complies with EU detergents regulation.

SECTION 16: Other Information

- Intended Use: Toilet descaler and rust remover for professional/household cleaning.
- Do not mix with chlorine bleach.
- Revision Date: 2nd October 2025.