

# KALLAS CHEMICALS

## MATERIAL SAFETY DATA SHEET

- **Chemical Substance/Product and Company Identification**
  - **Product Name:** Toilet Bowl Cleaner
  - **Application:** To clean toilet bowls
  - **Company Address:** Krishna Enclave, Seethammapeta, Main Road beside Reliance Petrol Bunk - 530016
  - **Emergency Telephone:** +91 93900 01431 / +91 97054 51797
- **Hazards Identification**
  - **Hazards for Man and the Environment:**
    - R35: Causes severe burns.
    - R52/53: Harmful to aquatic organisms; may cause long-term adverse effects in the aquatic environment.
    - R36: Irritating to eyes.
    - R41: Risk of serious damage to eyes.
  - **Environmental Risk Phrases:** Refer to Section 15.
- **Composition and Ingredients**
  - **Hydrochloric Acid (CAS: 7647-01-0):** 10-11%
  - **Non-ionic Surfactants:** 5%
  - **Deionized Water:** 70%
- **First Aid Measures**
  - **Inhalation:** No special measures required.
  - **Ingestion:** Do not induce vomiting; drink water or milk and seek medical attention.
  - **Skin Contact:** Wash thoroughly with soap and water; seek medical attention if irritation persists.
  - **Eye Contact:** Rinse eyes with water for at least 15 minutes; seek medical attention if discomfort continues.
  - **Note to Physician:** Treat symptomatically.
- **Fire Fighting Measures**
  - **Extinguishing Media:** Not flammable; use appropriate extinguishing media

for surrounding materials.

- **Specific Hazards:** None known.
- **Protective Measures in Fire:** Not applicable.
- **Accidental Release Measures**
  - **Personal Precautions:** Avoid contact with skin and eyes.
  - **Environmental Precautions:** Alert authorities if spilled into watercourses.
  - **Spill Clean-Up Methods:**
    - Small spills: Mop and wash with detergent and water.
    - Major spills: Contain and collect with absorbent material; store in a properly labeled container.
- **Handling and Storage**
  - **Precautions for Safe Handling:**
    - Keep locked up; keep container dry.
    - Avoid ingestion and inhalation of vapors.
    - Store in a cool, well-ventilated area.
    - Do not mix with incompatible materials such as oxidizing agents, metals, alkalis, etc.
  - **Storage:** Use a metallic or coated fiberboard drum with a strong polyethylene inner package.
- **Exposure Controls and Personal Protection**
  - **Exposure Standards:** Not determined.
  - **Personal Protective Equipment:**
    - **Respiratory Protection:** Use appropriate respirator if ventilation is inadequate.
    - **Hand Protection:** Solvent-resistant gloves (Nitrile, PVC, neoprene).
    - **Eye Protection:** Safety goggles.
    - **Protective Clothing:** Standard work clothes; additional protection as necessary.
- **Physical and Chemical Properties**
  - **Physical State:** Dark blue, slightly thick liquid.
  - **Odor:** Characteristic

- **pH:** 1-2
- **Solubility in Water:** Completely soluble.
- **Specific Gravity:** 1.030-1.080 g/cm<sup>3</sup>
- **Stability and Reactivity**
  - **Stability:** Stable under normal conditions.
  - **Dangerous Reactions:** None.
  - **Corrosivity:** Extremely corrosive to certain metals; non-corrosive to glass.
  - **Decomposition Products:** May emit oxides of carbon, nitrogen, chlorine, and ammonia.
  - **Conditions to Avoid:** Do not mix with other products.
- **Toxicological Information**
  - **Product Toxicity:** Not determined.
  - **Component Toxicity:** Derived from known effects of individual ingredients.
  - **Other Health Effects:** Low oral toxicity; ingestion may cause gastrointestinal irritation.
- **Ecological Information**
  - **Ecotoxicity:** Avoid contaminating waterways.
  - **Biodegradation:** Degrades to substances likely to be of low environmental impact when used as directed.
- **Disposal Considerations**
  - **Methods:** Follow local, state, and central regulations; consult relevant authorities for proper disposal methods.
- **Transport Information**
  - **Classification:** Corrosive material
  - **Identification:** Hydrochloric Acid, Solution (UNNA: 1789 PG: II)
- **Additional Regulatory Information**
  - **Regulatory Status:** Not regulated.
  - **Risk Phrases:**
    - R36: Irritating to eyes.
    - R41: Risk of serious damage to eyes.
  - **Safety Phrases:**

- S2: Keep out of reach of children.
- S24: Avoid contact with eyes.
- S26: Rinse eyes with water immediately and seek medical advice if contact occurs.
- S46: If swallowed, seek medical advice immediately.
- S37: Wear suitable gloves.
- S50A: Do not mix with chlorine-releasing bleaches.

- **Other Information**

- **Disclaimer:** This MSDS is intended as a summary of the knowledge and guidance regarding the use of this material. It is offered in good faith; the company assumes no responsibility for misuse.