# PARISHKAR

Premium Appliance Descaling Liquid

**Technical Data Sheet**
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Location: Kalyan, Maharashtra, India

## 1. Product Description

Parishkar Washing Machine Descaler is a high-performance, eco-friendly liquid descaling agent designed specifically for household appliances, including fully automatic washing machines (front and top load) and dishwashers. Formulated with a synergistic blend of organic acids and non-ionic surfactants, it safely dissolves stubborn calcium carbonate (limescale) deposits, removes soap scum, and eliminates odor-causing bacteria without degrading stainless steel drums, heating elements, or rubber seals.

## 2. Physical & Chemical Properties

| Property | Specification |
|---|---|
| **Appearance** | Clear, transparent liquid |
| **Odor** | Mild, characteristic |
| **pH (100% solution)** | 1.5 – 2.5 |
| **Specific Gravity (@ 25°C)** | 1.10 – 1.14 g/cm³ |
| **Solubility** | 100% soluble in water |
| **Flammability** | Non-flammable |

## 3. Key Benefits

- **Non-Corrosive Formula:** Replaces harsh inorganic mineral acids with organic alternatives, ensuring the longevity and structural integrity of expensive appliance internals.
- **High Solubilization:** Advanced acid complexing prevents calcium precipitation during high-temperature wash cycles, ensuring smooth drainage and zero chalky residue.
- **Energy Efficiency:** Removes insulating scale from internal heating elements, restoring optimal thermal conductivity and reducing overall appliance electricity consumption.
- **Biodegradable & Safe:** All active ingredients are readily biodegradable, making the effluent entirely safe for municipal wastewater treatment systems and septic tanks.

> **Note on Formulation:** Parishkar relies on a proprietary blend of primary chelators, secondary solubilizers, and surfactants to achieve commercial-grade descaling without the hazard profile of traditional industrial cleaners.

## 4. Applications & Directions for Use

### Washing Machines (Front & Top Load)

Pour 100 ml of Parishkar directly into the main detergent dispenser drawer or directly into the empty drum. Select a standard, normal wash cycle without a pre-wash phase. Set the water temperature to 60°C (140°F) or higher for optimal activation. Run the machine completely empty (do not add clothes or regular detergent).

### Dishwashers

Pour 50 ml to 100 ml into the base of the empty dishwasher. Run a standard heavy or hot wash cycle without any dishes loaded.

### Maintenance Frequency

For optimal appliance performance, application is recommended once every 30 to 45 days, depending on local municipal or borewell water hardness levels in your region.

## 5. Storage & Handling

- **Storage Conditions:** Store in a cool, dry, well-ventilated area away from direct sunlight. Keep containers tightly closed when not in use. Recommended storage temperature is between 15°C and 35°C. Do not store near strong alkaline chemicals or bleach.
- **Shelf Life:** 24 months from the date of manufacture under optimal, unopened storage conditions.
- **Handling Precautions:** This is a mildly acidic solution. Wear standard protective gloves and safety glasses during bulk manufacturing or liquid transfer. Avoid prolonged contact with skin.

**First Aid:** In case of eye contact, rinse immediately with plenty of clean water for at least 15 minutes and seek medical advice if irritation persists. If swallowed, do not induce vomiting; drink plenty of water and seek immediate medical attention.

## 6. Packaging Compatibility

The product is highly stable for long-term commercial storage in High-Density Polyethylene (HDPE) or Polyethylene Terephthalate (PET) containers. Avoid prolonged storage in unlined metal containers or mild steel drums to prevent potential reactions with the acidic profile of the product.

## 7. Disclaimer

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