Dilution: 500 ml into 5 L hot water (10% mixture), 55 – 80 °C	**pH:** Undiluted 1 – 2	**Action Time:** Rapid results within minutes

GEARTH SurgiRestore is a high-performance, rapid-acting multi-purpose rust, stain, spot, deposit and scale remover for stainless steel surgical instruments, case carts, basins and trays. Its highly concentrated formula delivers excellent cost savings, and its biodegradable formulation is safe for disposal.

SurgiRestore includes a stainless steel passivator system that removes rust and corrosion and then helps prevent their return, while removing scale and inhibiting future scale redeposition. Results appear within minutes of application, restoring a like-new finish and restoring movement to instrument joints.

1 KEY FEATURES & BENEFITS

- Removes rust, spots, stains and limescale
- High-performance formula acts within minutes
- Highly economical concentrated formula
- Restores a like-new finish to instruments
- Restores movement to instrument joints
- Extends instrument lifespan
- Stainless steel passivator system removes and then prevents rust and pitting
- Inhibits future scale redeposition
- Excellent stain removal properties
- Environmentally friendly biodegradable formulation, safe for disposal

2 APPLICATIONS

- Ultrasonic baths
- Automated endoscope washers
- Disinfectors and instrument washers
- Immersion baths
- Conventional hand washing
- Stainless steel surgical instruments, case carts, basins and trays

3 DIRECTIONS & USAGE

- Step 1 — Mix: Add 500 ml to 5 litres of hot water (55 – 80 °C) to make a 10% mixture.
- Step 2 — Soak instruments: Place the solution in a Pyrex or stainless steel container, then place well-cleaned instruments in a stainless steel wire-bottom instrument tray. Leave to soak for 15 to 30 minutes.
- Step 3 — Or scrub carts and trays: Wear gloves, apply the solution and scrub thoroughly with a hard bristle brush.
- Step 4 — Rinse: Remove instruments and rinse well in hot water.
- Do not use on silver plate or chrome instruments. Do not mix with other disinfectants or detergents. Close the lid tightly after use.

4 TECHNICAL SPECIFICATIONS

Physical State	Liquid concentrate
Appearance	Transparent to light yellow
pH — Undiluted	1 – 2
Working Dilution	10% — 500 ml into 5 L water
Working Temperature	55 – 80 °C
Soak Time	15 to 30 minutes
Targets	Rust, stains, spots, deposits and limescale
Passivation	Stainless steel passivator system removes then prevents rust, corrosion and pitting
Scale Control	Removes scale and inhibits future redeposition
Material Restrictions	Do not use on silver plate or chrome instruments
Chemical Incompatibility	Do not mix with other disinfectants or detergents
Biodegradability	Biodegradable — safe for disposal
Country of Manufacture	South Africa

5 STORAGE & SHELF LIFE

Shelf Life	Stable for 2 years
Storage Conditions	Store at ambient temperature out of direct sunlight. Close the lid tightly after use.

This Technical Data Sheet reflects GEARTH's current product specification and application guidance at the date of issue. GEARTH (Pty) Ltd continually develops its formulations and reserves the right to revise specifications without prior notice. Because site conditions, substrates and effluent loads vary, the user remains responsible for confirming suitability for a specific application — GEARTH technical staff are available to assist with site-specific dosing and trial protocols. Handle all products in accordance with the applicable Safety Data Sheet and South African health, safety and environmental legislation.