



# RXSOL

CHEMO PHARMA INTERNATIONAL

## Technical Data Sheet (TDS)

### RXSOL-16-3006-025

Ultrasonic Cleaner

RXSOL-16-3006-025 is a superior & powerful alkaline cleaner containing corrosion inhibitors to prevent the corrosion of metals. Concentrated, anionic detergent for manual and ultrasonic cleaning. Free rinsing to give you reliable results without interfering residues. Ideal for cleaning contaminants from glassware, metals, plastics, ceramic, porcelain, rubber and fiberglass. Excellent replacement for corrosive acids and hazardous solvents. It is a low-toxic product with an exceptional solvency power on soil & oily matter & having good foaming qualities. It is free from hydrocarbon solvents, biodegradable and minimizes the extreme hazards to personnel in handling materials. It is specially formulated for ultrasonic cleaning applications. Corrosion-inhibited formulation recommended for glass, metal, stainless steel, porcelain, ceramic, plastic, rubber and fiberglass. Can be used on soft metals such as copper, aluminum, zinc and magnesium if rinsed promptly. Corrosion testing may be advisable.

#### Contaminants that can be cleansed:

- Soil, grit, grime, buffing compound, slime, grease, oils, blood, tissue
- Salts, chemical & solvent residues, radioisotopes, radioactive contamination
- Silicon oils, mold release agents, particulates

### Application

- Healthcare instruments, laboratory ware, vacuum equipment, tissue culture ware
- Personal protective equipment (PPE), sampling apparatus, catheters, tubing, pipes
- Radioactive contaminated articles, optical & electronic parts, pharmaceutical apparatus
- Cosmetics manufacturing equipment, metal castings, forgings, stampings, industrial parts
- Tanks, reactors, engine components (fuel & lube oil filters, injection nozzles, valves)
- Cleaning of hard surfaces like decks, tanks, engine rooms
- Suitable for brush, handspray, high/low pressure washing

### General Cleaning

Application Method	Dilution	Contact Time	Notes
Brush, hand spray, high/low pressure	50-200 mL per 10 L water (0.5-2%)	20-30 minutes	Up to 4 hrs for hardened/carbonised deposits
Dipping	Same as above	As required	Reuse solution if not heavily contaminated
Degassing (if cooled before reuse)	Required	1-2 minutes without any object	Improves ultrasonic or soak performance

### Ultrasonic Equipment Cleaning

Step	Details
Fill tank	30-35 L clean water
De-gas bath	Run 1-2 mins before adding detergent
Add detergent	1-2 L RXSOL-16-3006-025
Temp Range	60-80°C recommended
Cleaning Time	15-30 minutes; 4-6 hours for hardened deposits

\*This is only for industrial hard metals cleaning. Not for all metals.

### Tank Cleaning

Target	Method	Dose Rate
Mineral/animal/veg/fish oil, waxes	Direct injection (tank wash)	1-5 L/ton wash water (0.1-0.5%)
	Recirculation method	1-7 L/ton wash water (0.1-0.7%)
	Spot cleaning (hand spray)	Neat or diluted up to 1:5 with water

### Cleaning Soot

Application Method	Concentration / Coverage	Notes
High pressure cleaning	1:6 dilution with water	
Hand sprayer	Neat; 1 L per 12 m <sup>2</sup>	
Tank washing machine	5-8% solution	Keep surface wet for 30-45 min, rinse with 80°C water
Repeat if necessary	—	Heat solution to 60-80°C when possible

### Specification

Appearance	Custom.
Density	1.0 g/cm <sup>3</sup> at 20°C
Metal	May attack zinc, aluminium and magnesium at concentrated solutions
Rubber	No known effect
pH neat	12
Synthetic Rubber	May swell
Packaging	RXSOL-16-3006-025 (25 Ltrs and 210 Ltrs)

### Advantages

- Specially developed for use with ultrasonic cleaning baths.
- Removes grease, oil, carbon deposits, soil and grime.
- Water-based.
- Low-toxic.
- Biodegradable.
- Non-flammable.
- Compatible with oily-water separators.
- Very effective and economical in use.

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