

Средства моющие универсальные CARL ROTH RBS

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RBS® universal cleaners



Laboratory cleaning agent RBS 35

Carl ROTH.

Alkaline liquid laboratory cleaning concentrate for cleaning by hand for normal levels of dirt as well as immersion bath and ultrasonic bath cleaning. Also suitable for use with hard water.

Cleans and degreases all non-corrosive materials and surfaces. Also suitable for industrial cleaning and degreasing of metals, electronic components, wafers, lenses, etc. Rinses off trace-free.

- pH value in concentration for use 2%: approx. 11.5
- Density 1.07 g/ml
- Slightly foaming

Concentration for use: 20 ml per litre of water; increase the dosage for stubborn dirt.

Rinse thoroughly with deionised water.

Technical specifications:

Art. No.	9238.1	9238.2	9238.4
Intended purpose	for manual cleaning, for automatic cleaning in immersion bath, for ultrasonic baths		
Delivery form	Concentrated liquid		
pH range	alkaline		
Ingredients	Sodium hydroxide, tetrapotassium diphosphate, sodium carbonate, sodium hypochlorite solution, surfactants		
Dosing	2% in water		



Danger H290-H314

Not a medical device / Not an IVD product

Type	Art. No.	Pack Qty.
RBS 35	9238.1	1 l
RBS 35	9238.2	5 l
RBS 35	9238.4	20 kg



Laboratory cleaning agent RBS 50

Carl ROTH.

Highly alkaline liquid laboratory cleaning concentrate. Suitable for universal cleaning by hand, immersion bath and ultrasonic bath cleaning as well as laboratory dishwashers. Even works on stubborn dirt.

Cleans and degreases all non-corrosive materials and surfaces. Also removes problematic substances such as radioactive residues, Canada balsam, silicones, etc. For industrial applications to treat metal parts, lenses, electronic components, etc. Rinses off trace-free.

- pH pure product: 13.5
- Density 1.244 g/ml
- Non foaming
- Also suitable for use with hard water

Concentration for use:

For manual and automatic cleaning: 10 ml per litre of water.

Cleaning in dishwashers and ultrasonic baths:

3-5 ml per litre of water. Dishwasher cleaning particularly effective in combination with RBS NA 2 and/or RBS R 60.

Rinse thoroughly with deionised water.

Technical specifications:

Art. No.	9232.1	9232.2	9232.4
Intended purpose	for manual cleaning, for automatic cleaning in immersion bath, for ultrasonic baths, for laboratory dishwashers		
Delivery form	Concentrated liquid		
pH range	highly alkaline		
Ingredients	Tetrapotassium diphosphate, sodium hydroxide, sodium hypochlorite solution, mineral salts		
Dosing	3-10% in water		



Danger H290-H314

Not a medical device / Not an IVD product

Type	Art. No.	Pack Qty.
RBS 50	9232.1	1 l
RBS 50	9232.2	5 l
RBS 50	9232.4	20 kg



Laboratory cleaning agent RBS Neutral T

Carl ROTH.

Neutral liquid laboratory cleaning concentrate for manual or automatic cleaning. Also suitable for sensitive materials and surfaces. Non-corrosive. No harmful effects on culture growth, therefore also suitable for use in microbiology and tissue culture.

- Free from chlorine
- pH-neutral cleaning solution
- Density 1.072 g/ml
- Slightly foaming
- Biodegradable

Concentration for use: 4 to 6 % v/v depending on amount of dirt.
Rinse thoroughly with deionised water.

Technical specifications:

Art. No.	0180.1	0180.2
Intended purpose	for manual cleaning, for automatic cleaning in immersion bath	
Delivery form	Concentrated liquid	
pH range	neutral	
Ingredients	Surfactants, isotridecanol, ethylene glycol monophenyl ether, phosphates	
Free from chlorine	Yes	
Dosing	4–6% in water	

 **Warning H319**

Not a medical device / Not an IVD product

Type	Art. No.	Pack Qty.	
RBS Neutral T	0180.1	1 l	
RBS Neutral T	0180.2	5 l	

Laboratory cleaning agent RBS IND 470

Carl ROTH.

Alkaline liquid laboratory cleaning concentrate for decontaminating radioactive residues (tested for ⁹⁹Mo, ¹⁹²Ir, ¹³¹I). Also removes greases, silicone oils, carbonates, metal particles, dust and organic substances. Suitable for automatic or manual ultrasound cleaning of objects, containers and surfaces made of glass, stainless steel and plastic.

- Halogen free (Cl; I; Br; F < 20 µg/g) and phosphate free (P < 5 µg/g)
- pH pure product: 14.0
- Density at 20 °C: 1.06
- Slightly foaming
- Also suitable for use with hard water

Concentration for use: 2% v/v for normal contamination, temperatures up to approx. 50 °C accelerate the cleaning process. Soak parts to be decontaminated in a 10% solution at 60 °C for at least 6 hours. Rinse thoroughly with deionised water. Unsuitable for corrodible metals.

Technical specifications:

Art. No.	TA00.1	TA00.2
Intended purpose	for manual cleaning, for automatic cleaning in immersion bath, for ultrasonic baths	
Delivery form	Concentrated liquid	
pH range	alkaline	
Ingredients	Potassium hydroxide, isotridecanol, surfactants	
Phosphate-free	Yes	
Dosing	2–10% in water	

 **Danger H290-H314**

Not a medical device / Not an IVD product

Type	Art. No.	Pack Qty.	
RBS IND 470	TA00.1	5 l	
RBS IND 470	TA00.2	20 kg	

RBS® universal cleaners



Laboratory cleaning agent RBS pH T

Carl ROTH.

Alkaline liquid laboratory cleaning concentrate for manual or automatic cleaning in analytical labs.

Equalises water hardness. Rinses off trace-free.

- Phosphate-free
- pH value in concentration for use 2%: approx. 11.8
- Density 1.072 g/ml
- Slightly foaming
- Also suitable for use with hard water
- Biodegradable

Concentration for use: 20 ml per litre of water; increase the dosage for stubborn dirt.

Rinse thoroughly with deionised water.

Technical specifications:

Art. No.	9243.1	9243.2	9243.4
Intended purpose	for manual cleaning, for automatic cleaning in immersion bath		
Delivery form	Concentrated liquid		
pH range	alkaline		
Ingredients	Tetrasodium salt, sodium hydroxide, sodium carbonate, sodium hypochlorite solution, surfactants		
Phosphate-free	Yes		
Dosing	2% in water		

Danger H290-H314

Not a medical device / Not an IVD product

Type	Art. No.	Pack Qty.
RBS pH T	9243.1	1 l
RBS pH T	9243.2	5 l
RBS pH T	9243.4	20 kg



Laboratory cleaning agent RBS T 115

Carl ROTH.

Alkaline liquid laboratory cleaning concentrate with excellent emulsifying and wetting properties. For self and manual cleaning or use in ultrasonic baths. Strongly recommended for laboratory glass, quartz, porcelain or plastics. Removes organic and inorganic substances such as fats, proteins, distillation residues and biological contaminants. Reduces water hardness and counteracts scaling. Free from phosphates and therefore suitable for use in analytical labs. Biodegradable.

- Phosphate-free
- pH of a 2% cleaning solution: 11.7
- Density at 20 °C: 1.08
- Slightly foaming
- Also suitable for use with hard water

Concentration for use: 2% v/v (higher concentrations can be used to remove stubborn dirt). Temperatures up to approx. 50 °C accelerate the cleaning process. Rinse thoroughly with deionised water. Unsuitable for mildly corroding metals and sensitive materials.

Technical specifications:

Art. No.	LY18.1
Intended purpose	for manual cleaning, for automatic cleaning in immersion bath, for ultrasonic baths
Delivery form	Concentrated liquid
pH range	alkaline
Ingredients	Tetrasodium salt, sodium hydroxide, sodium carbonate, sodium hypochlorite solution, surfactants
Phosphate-free	Yes
Dosing	2% in water

Danger H290-H314

Not a medical device / Not an IVD product

Type	Art. No.	Pack Qty.
RBS T 115	LY18.1	5 l



Laboratory cleaning agent RBS T 105

Carl ROTH.

Alkaline liquid laboratory cleaning concentrate. For self and manual cleaning or use in ultrasonic baths. Suitable for laboratory glassware, stainless steel, porcelain and plastics. Removes organic and biological substances, such as greases, distillation residues, proteins and cell cultures. Reduces water hardness and counteracts scaling. Rinses off easily without leaving a residue.

- pH value of cleaning solution (2%): 11.8
- pH value, concentrate: 13.3
- Density at 20 °C: 1.12
- Foaming
- Also suitable for use with hard water

Concentration for use: 2% v/v, higher concentrations can be used to remove stubborn dirt. Temperatures up to approx. 50 °C accelerate the cleaning process.

Rinse thoroughly with deionised water. Unsuitable for corrodible metals.

Technical specifications:

Art. No.	PY99.1
Intended purpose	for manual cleaning, for automatic cleaning in immersion bath, for ultrasonic baths
Delivery form	Concentrated liquid
pH range	alkaline
Ingredients	Tetrapotassium diphosphate, surfactants, sodium hypochlorite solution
Dosing	2% in water

 **Warning H319**

Not a medical device / Not an IVD product

Type	Art. No.	Pack Qty.	
RBS T 105	PY99.1	5 l	



Laboratory cleaning agent RBS T 230

Carl ROTH.

Neutral liquid laboratory cleaning concentrate for cleaning sensitive materials, such as volumetric glassware, aluminium, zinc, tin, PS or PC. Non-corrosive and fully biodegradable. Self-acting (no mechanical cleaning required). Also suitable for use in microbiology as it has no harmful effects on culture growth.

- Chlorine- and oxidant-free
- pH-neutral cleaning solution
- Density at 20 °C: 1.07
- Non-corrosive, non-toxic and non-irritant
- Slightly foaming
- Also suitable for use with hard water

Concentration for use: 4 to 6% v/v, i.e. 40 to 60 ml RBS T 230 per litre of water depending on contamination. Objects should be fully immersed for cleaning.

Exposure time: 2 to 12 hours. Temperatures up to approx. 60 °C accelerate the cleaning process. Lightly brush or rinse off stubborn dirt prior to use. Rinse thoroughly with deionised water.

Technical specifications:

Art. No.	LY17.1
Intended purpose	for automatic cleaning in immersion bath, for ultrasonic baths
Delivery form	Concentrated liquid
pH range	neutral
Ingredients	Surfactants, isotridecanol, ethylene glycol monophenyl ether, phosphates
Free from chlorine	Yes
Free from oxidising agents	Yes
Dosing	4–6% in water

 **Warning H319**

Not a medical device / Not an IVD product

Type	Art. No.	Pack Qty.	
RBS T 230	LY17.1	5 l	

RBS® universal cleaners

Laboratory cleaning agent RBS T 305

Carl ROTH.

Acidic liquid laboratory cleaning concentrate for manual cleaning. Particularly well suited to the removal of grease, oils, limescale residues, metal oxides, salts and inorganic residues from glass, ceramic, porcelain and non-corrosive stainless steel and surfaces and acid-resistant plastics. Also for cleaning floors, workbenches and animal cages. Apply the cleaning solution, allow it to act; if necessary, brush off and rinse thoroughly with water.

- Free from chlorine
- pH value in concentration for use: 1.5 to 1.2
- Density 1.40 g/ml
- Foaming
- Biodegradable
- Also suitable for use with hard water

Concentration for use: 2 to 5% v/v depending on amount of dirt.

Technical specifications:

Art. No.	KT39.1
Intended purpose	for manual cleaning, for automatic cleaning in immersion bath
Delivery form	Concentrated liquid
pH range	acidic
Ingredients	Phosphoric acid, isotridecanol, surfactants
Free from chlorine	Yes
Dosing	2–5% in water

 **Danger H290-H314**

Not a medical device / Not an IVD product

Type	Art. No.	Pack Qty.
RBS T 305	KT39.1	5 l



Laboratory cleaning agent RBS A 285 SOLID pF

Carl ROTH.

Powder-based, alkaline high-performance cleaner for laboratory dishwashers. Suitable for laboratory glassware, stainless steel, porcelain and alkali-resistant plastics. Removes greases, oils, distillation residues and other organic and mineral substances. Rinses off trace-free.

- Free from phosphates, EDTA and NTA
- pH value in concentration for use 0.3%: 11.4
- Surfactants, biodegradable
- Also suitable for use with hard water

Concentration for use: 0.1% m/v, in the case of stubborn dirt or hard water, the concentration can be increased to 3 g per litre. Temperatures between 50 and 95 °C accelerate the cleaning process. Particularly effective in combination with RBS A 375 and/or RBS R 60 pF. Rinse with deionized water.

Technical specifications:

Art. No.	HNY8.1
Intended purpose	for laboratory dishwashers
Delivery form	Powder
pH range	highly alkaline
Ingredients	Anionic and non-ionic surfactants, carbonates, silicates, sodium hydroxide
Phosphate-free	Yes
Dosing	0.1–3% in water

 **Danger H315-H318-H335**

Not a medical device / Not an IVD product

Type	Art. No.	Pack Qty.
RBS A 285 SOLID pF	HNY8.1	4.5 kg



Laboratory cleaning agent RBS A 375

Carl ROTH.

Liquid, acidic pre-rinse and neutralisation agent for laboratory dishwashers. Removes limescale deposits, hydroxides and many other residues from glass, plastic, porcelain, ceramic, crystal, stainless steel, etc.

Prewash: Removes stubborn dirt and stains, increasing the effectiveness of alkaline high-performance cleaning concentrates.

Rinsing: Neutralises alkaline cleaning concentrate residues after the main cleaning cycle and protects the garment and machine from limescale deposits.

- Free from surfactants, chlorine and phosphates
- Rinses off easily without leaving a residue
- Also suitable for use with hard water
- Non foaming
- pH value (0.5%): 2.6

Concentration for use: 0.2% (in the case of stubborn dirt/stains or hard water, the concentration can be increased up to 0.5%). Rinse with deionised water to ensure residue-free results.

Particularly effective in combination with RBS 50.

Technical specifications:

Art. No.	TK44.1
Intended purpose	for laboratory dishwashers
Delivery form	Concentrated liquid
pH range	acidic
Ingredients	Citric acid, lactic acid
Free from chlorine	Yes
Phosphate-free	Yes
Free from tensides	Yes
Dosing	0.2–0.5% in water

 **Danger H315-H318**

Not a medical device / Not an IVD product

Type	Art. No.	Pack Qty.
RBS A 375	TK44.1	5 l



Laboratory cleaning agent RBS NA 2

Carl ROTH.

Liquid, acidic pre-rinse and neutralisation agent for laboratory dishwashers.

Prewash: Removes stubborn dirt such as carbonates, hydroxides, salts and organic bases. Enhances the performance of alkaline main wash cycle detergents.

Rinsing: Neutralises alkaline detergent residues and prevent limescale deposits on the parts cleaned and in the dishwasher.

- Free from surfactants and chlorine
- pH value in concentration for use: 2.2 to 1.8
- Density 1.378 g/ml
- Non foaming

Concentration for use: 0.2 to 0.5% v/v. Particularly effective in combination with RBS SOLID, RBS B 210 T or RBS 50. Rinse with deionised water.

Technical specifications:

Art. No.	AL93.1
Intended purpose	for laboratory dishwashers
Delivery form	Concentrated liquid
pH range	acidic
Ingredients	Phosphoric acid
Free from chlorine	Yes
Free from tensides	Yes
Dosing	0.2–0.5% in water

 **Danger H290-H314**

Not a medical device / Not an IVD product

Type	Art. No.	Pack Qty.
RBS NA 2	AL93.1	5 l

RBS® universal cleaners



Laboratory cleaning agent RBS R 60

Carl ROTH.

Liquid, slightly acidic neutralisation agent for laboratory dishwashers. Neutralises alkaline detergent residues and prevent limescale deposits on the parts cleaned and in the dishwasher. Accelerates the drying process and produces a glossy finish.

- Free from chlorine
- pH value in concentration for use: 6.3 to 3.6
- Density 1.016 g/ml
- Non foaming

Concentration for use: 0.1 to 0.3% v/v. Particularly effective in combination with RBS 50 or RBS SOLID. Rinse with deionised water.

Technical specifications:

Art. No.	AL94.1
Intended purpose	for laboratory dishwashers
Delivery form	Concentrated liquid
pH range	acidic
Ingredients	Surfactants, sodium cumene sulfonate, 2-Propanol, phosphoric acid
Free from chlorine	Yes
Dosing	0.1–0.3% in water

Warning H226-H290-H315-H319-H412

Not a medical device / Not an IVD product

Type	Art. No.	Pack Qty.
RBS R 60	AL94.1	5 l



Laboratory cleaning agent RBS R 60 pH

Carl ROTH.

Liquid, slightly alkaline neutralisation agent for laboratory dishwashers. Neutralises alkaline detergent residues and prevent limescale deposits on the parts cleaned and in the dishwasher. Accelerates the drying process and produces a glossy finish. Free from phosphates and therefore suitable for use in analytical labs.

- Free from phosphates and chlorine
- pH value in concentration for use: 6.5 to 4.4
- Density 1.015 g/ml
- Non foaming

Concentration for use: 0.1 to 0.3% v/v. Rinse with deionized water.

Technical specifications:

Art. No.	AL96.1
Intended purpose	for laboratory dishwashers
Delivery form	Concentrated liquid
pH range	acidic
Ingredients	Surfactants, sodium cumene sulfonate, 2-Propanol, citric acid, amidosulphonic acid
Free from chlorine	Yes
Phosphate-free	Yes
Dosing	0.1–0.3% in water

Warning H226-H315-H319-H412

Not a medical device / Not an IVD product

Type	Art. No.	Pack Qty.
RBS R 60 pH	AL96.1	5 l

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