

rea-detergents

effective, economical, smooth



complete
range

**HIRSCHMANN
LABORGERÄTE**

rea-C
Bio-Rei

Das spezielle Reinigungsk...
und Gegenstände in allen...
bereichen. Besonders umw...
völlständig biologisch abba...

Mr. Clean for any case

for instruments and equipment in all areas of application, friendly to the environment and biologically degradable



rea-sol®

special automatical liquid cleaning concentrate

- ideal for the use in the lab - easy and convenient use
- cleans fast, automatically and smoothly such material like e.g. glass, porcelain, rubber, plastics and metal of oil, grease, wax-, resin-, silicone-, blood-, protein- and serum residues
- contains anti-corrosive additives (avoid long time effect, when cleaning aluminum or zinc parts!)
- graduations are not affected
- no influence on sensitive test results
- also suitable for the decontamination and cleaning of walls and floors
- free from chlorine and caustic alkali
- almost complete alternative to chrome-sulphuric acid
- sensitive to the skin and non-toxic
- environmental friendly because all active substances are biologically degradable
- extremely economical: 1 per cent solution for use, multiple use is possible



rea-pur®

rapid powder cleaning agent

- cleans fast, automatically and smoothly such material like e.g. glass, porcelain, rubber, plastics and metal of oil, grease, wax-, resin-, silicone-, blood-, protein- and serum residues
- contains anti-corrosive additives (avoid long time effect, when cleaning aluminum or zinc parts!)
- graduations are not affected
- no influence on sensitive test results
- also suitable for the decontamination and cleaning of walls and floors
- free from chlorine and caustic alkali
- sensitive to the skin and non-toxic
- environmental friendly because all active substances are biologically degradable
- extremely economical: 0,5 per cent solution for use, multiple use is possible
- also suitable for ultrasonic baths

The specialists

for smoothly machine cleaning, rinsing, descaling and stabilizing - of course biologically degradable



rea-mat® foam-free

powder cleaning concentrate for laboratory washing machines, cleaning - and disinfection machines

- cleans fast, automatically and smoothly such material like e.g. glass, porcelain, rubber, plastics and metal of oil, grease, wax-, resin-, silicone-, blood-, protein- and serum residues
- thanks to the high emulsifying and dispersing characteristic, an excellent cleaning effect is achieved
- foam-free
- very smooth to the cleaned material
- also suitable for ultrasonic baths
- extremely economical: 0,1 to 0,4 per cent solution for use



rea-calc®

liquid descaler

- removes quickly and thoroughly encrusted and stubborn soilage such as lime and rust stains, boiler scale, urinary stone and soap scum
- proven for removing residues in washbasins, toilets, showers, swimming pools, armatures, massage showers, coffee machines, immersion heaters, stainless steel sinks, animal cages, urine bottles and laboratory vessels
- removes cement residues and stains on tiles
- free of hydrochlorid and formic acid
- without pungent nor stinging smell
- extremely economical: 2 to 5 per cent solution for use



rea-des® 2000

special liquid concentrate

- for laboratory glassware and instruments as well as all kinds of surfaces, walls, baths, washbasins, taps, toilets, storage cupboards, doors etc.
- for use in all areas exposed to infection such as hospitals, doctors surgeries, pharmaceutical - and food industries. Also suitable for nursing homes, schools, kindergarden and canteen kitchens. Especially effective with high protein spoilage
- cleans and disinfects at the same time
- bactericidal, fungicidal and virus-inactivating (Hepatitis B as well as HIV)
- non-corrosive to the most common materials
- can be rinsed off without leaving residues
- economical: 0,8 to 2 per cent solution for use



rea-phos®

phosphate-free, liquid cleaning concentrate

- cleans fast, automatically and smoothly all laboratory instruments made of glass, porcelain, plastics or metal (except aluminum and zinc)
- specially designed for water laboratories and for phosphate determination equipment
- as effective as cleaning detergents, containing phosphates
- can also be used with hard water
- friendly to the environment because all active substances are biologically degradable
- extremely economical: 1 per cent solution for use, multiple use is possible
- also suitable for ultrasonic baths



rea-clean® Bio-cleaner

phosphate-free, liquid cleaning concentrate

- for equipment, tiles, armatures, floors and surfaces in all areas of application, especially suitable for plastic surfaces.
- friendly to the environment because all active substances are biologically degradable
- for sprinkling or moistening, afterwards wipe - or rinse off
- even for strong dirt, grease - and oil soilings
- self-neutralizing, self-emulsifying, extremely grease dissolving
- extremely economical: 1 liter concentrate is sufficient for 40 liter solution for use
- only mild alkaline, ph of stock is 10



rea-clar®

liquid neutralization agent

- especially suiting as additive for rinsing water in washing machines
- with good moistening characteristic for glass, porcelain, ceramic, rubber, plastic and metal
- improves stripe-free drying
- extremely economical: 0,02 to 0,04 per cent solution for use
- liquide neutralisation and rinse aid
- acids neutralise residual alkality



rea-stabil®

long term stabilization concentrate

- for warm water baths, thermostats and other areas, prevents the formation of algae, bacteria and mold fungus
- has a bactericidal and fungicidal effect
- non-toxic
- extremely economical: 0,1 per cent solution for use

The principle of cleaning

The activity of our cleaning detergents are due to the selected ingredients (tensides). Their molecules consist of a hydrophobic part (affinity to grease-, protein- and other pigment particles) and of a hydrophile part (affinity to water). These molecules push ahead to e.g. the grease deposition and their hydrophobic part joins together with the grease particles and wraps it up (emulgate); or the dirt layer is crached up, splitted (dispergate), removed and washed away.

The hydrophile part reduces the tension on the water's surface, so that the cleaning agents can easily reach the dirt. Therefore the cleaning effect is always excellent, even at inaccessible places.

rea®-automatical cleaning detergents

There are a lot of cleaning jobs in various areas of application and therefore there are a variety of requirements to the cleaning detergents.

Our rea®-cleaning concentrates for manual and machine cleaning, with or without disinfection, used in

medicine, research and industry, have been developed in cooperation with specialists in these areas.

The highly efficient properties of our detergents, like the extreme ability to dissolve dirt, have been achieved due to a long time experience and extensive test series. Great importance had

been attached to the mild effect on the material.

Biodegradable contents make the rea®-products extremely environmental friendly and the low concentration for use makes them very economical.

Code No.	product	description	package	volume
972 01 01	rea-sol®	liquid cleaning concentrate	bottle	1 l
972 01 05			canister	5 l
972 01 30			drum	30 l
971 01 02	rea-pur®	pulverized cleaning concentrate	pail	2 kg
971 01 05			pail	5 kg
971 01 30			drum	30 kg
973 01 01	rea-des® 2000	liquid cleaning concentrate disinfects, bactericidal	bottle	1 l
973 01 05			canister	5 l
973 01 30			drum	30 l
974 01 01	rea-phos®	liquid, phosphate-free cleaning concentrate	bottle	1 l
974 01 05			canister	5 l
974 01 30			drum	30 l
979 01 00	rea-clean®	liquid, phosphate-free cleaning concentrate all active substances are biologically degradable	spray-bottle	0,5 l
979 01 01			refill bottle	1 l
979 01 05			canister	5 l
979 01 30			drum	30 l
975 01 02	rea-mat®	pulverized rapid cleaning agent for laboratory washing machines	pail	2 kg
975 01 05			pail	5 kg
975 01 30			drum	30 kg
976 01 00	rea-calc®	liquid descaler	bottle	0,5 l
976 01 01			bottle	1 l
976 01 05			canister	5 l
976 01 10			canister	10 l
977 01 01	rea-clar®	liquid neutralisation agent	bottle	1 l
977 01 05			canister	5 l
977 01 30			drum	30 l
978 01 00	rea-stabil®	liquid stabilization concentrate	bottle	0,2 l

More information on our entire programme, prices and supply?
Call us, send a fax or E-Mail. We will react immediately.

Hirschmann Laborgeräte GmbH & Co. KG
Postfach 11 53, Hauptstr. 7 - 15
D- 74246 Eberstadt
Telefon ++49 (0) 71 34/5 11-0
Fax ++49 (0) 71 34/40 36
E-Mail: info@hirschmann-laborgeraete.de

For ordering and details please consult your supplier: