



The wise choice

Deterlabo®

Laboratory Glassware,
Utensils and Surface Cleaning



To carry out laboratory work correctly, optimal cleaning conditions for the workspace, materials and utensils used are needed. All of these must be free from impurities and residues that may cause interference during their use.

Correct cleaning is a prerequisite for accurate, reproducible results in laboratory or production processes.

Deterlabo®

Deterlabo® is the Scharlau range of cleaning materials for surface and laboratory equipment hygiene. Different formulations and presentations are available, depending on the type of residue to be removed and the type of cleaning required, either manually or by machine.

Manual Wash

Deterlabo® N, DT0004

Description

Neutral detergent, concentrated liquid for manual use.

Application

Concentrated and pH neutral detergent with a high foaming level, for the manual cleaning of all types of laboratory equipment, utensils, materials and surfaces: stainless steel, aluminium, glass surfaces, Formica, vinyl, painted or varnished surfaces, glassware, Pyrex, etc.

How to use

Dilute between 2 and 15 g per litre of water.

Contains (among others)

Anionic surfactants
Non-ionic surfactants

Characteristics

Neutral liquid
Phosphate-free
Biodegradable
Chlorine-free

Specifications

pH: 7.0 (1% H₂O)
Density: 1.03 g/cm³ (20°C)



Deterlabo® O, DT0005

Description

Degreaser, concentrated liquid for surfaces.

Application

Concentrated degreaser ideal for treating most degreasing and dirt removal actions, both organic and inorganic, on surfaces and laboratory equipment.

Effective in cleaning floors, surfaces, removing soot, dirt and natural, mineral and synthetic greases.

Can be used on all types of materials: iron, galvanised metals, aluminium, stainless steel, Formica, marble, stoneware, granite, varnished materials, porcelain, etc.

Also suitable as a dip degreaser.

How to use

Dilute from 1:1 to 1:20 in water depending on the amount of dirt or grease to be removed.

Contains (among others)

Non-ionic surfactants
Glycols

Sodium Hydroxide

Characteristics

Liquid degreaser
Phosphate-free

Biodegradable

Chlorine-free

Specifications

pH: 11.5 (1% H₂O)
Density: 1.03 g/cm³ (20°C)

Manual Wash

Deterlabo® O RTU, DT0008

Description

Degreaser, RTU spray for surfaces.

Application

Powerful, direct-use caustic alkali-free degreaser based on surfactants, glycols and emulsifiers.

Easily removes all types of dirt, stains and grease, leaving surfaces completely clean and without traces, repels dust and enhances the natural colours of surfaces.

It can be used in cleaning all types of washable laboratory surfaces.

Especially suitable for cleaning workbench surfaces, cabinets, hoods, shelves, utensils and laboratory equipment, etc. It can be used on varnished wood, Formica, vinyl, skay, aluminium, plastic, glassware, tiles, stoneware, stainless steel, etc.

How to use

Ready for use. Spray on the surface to be cleaned or on a clean cloth or paper. Wipe until the surface is completely dry.

Contains (among others)

Glycols

Amines and alcohols

Characteristics

Spray

Degreaser

Direct use

Phosphate-free

Chlorine-free

Biodegradable

Specifications

pH: 12.0

Density: 0.99 g/cm³ (20°C)



Deterlabo® H, DT0003

Description

Concentrated liquid sanitising detergent, for surfaces.

Application

Surface cleaner with sanitising action, concentrated liquid with contact action on surfaces, incubators, laminar flow cabinets, contaminated laboratory material in fine chemistry, biochemistry, water treatment, analysis, the food industry, etc.

How to use

Dilute between 5-20% in water depending on use:

- For surfaces: dilute 50-150 cm³ per litre of water and spray or wipe with a cloth.
- For machines, pipes or tanks via recirculation: dilute 10-150 cm³ per litre of water.
- Utensils: dilute 50-100 cm³ per litre of water and proceed to dip bath.

Contains (among others)

Didecylidimethyl

ammonium chloride

Aliphatic alcohol

2-aminoethanol

Non-ionic surfactants

EDTA

Characteristics

Sanitising liquid

Phosphate-free

Biodegradable

Chlorine-free

Specifications

pH: 11 (1% H₂O)

Density: 0.99 g/cm³ (20°C)

Deterlabo® H RTU, DT0010

Description

Sanitising Detergent, RTU spray for surfaces.

Application

Quaternary and amine compound-based sanitising detergent, caustic alkali-free, with high-power surface cleaning. Due to its high detergent power, it is an ideal product where thorough cleaning as well as a high sanitising action of surfaces are required. Suitable for the hygiene of laminar flow cabinets.

How to use

Ready for use. Directly by spraying, dip or with a sponge or cloth, depending on the level of dirt and the surface to be cleaned.

Contains (among others)

Cationic surfactants

Anionic surfactants

Characteristics

Sanitising spray

Direct use

Phosphate-free

Chlorine-free

Biodegradable

Specifications

pH: 11.5

Density: 0.85 g/cm³ (20°C)



Manual Wash

Deterlabo® OH, DT0009

Description

Hydroalcoholic sanitiser, spray for utensils and surfaces.

Application

Product formulated with a base mixture of sanitising agents and alcohols, quaternary ammonium and surfactant-free, to be used as a direct-use product for manual hygiene of laboratory surfaces and utensils.

Quick-drying without leaving residue.

How to use

Cleaning of surfaces by spraying with the pure product respecting the contact times.

Before applying the product, thorough cleaning must be carried out.

Can be used on textile surfaces.

Ventilate properly after surface treatment.

Do not mix with other chemical products.

Incompatible with strong oxidants, acids and alkalis.

A pre-treatment test must be performed to verify the compatibility of the product with the materials.

Contains (among others)

Ethanol

Benzyl-(c12-c16 alkyl)-dimethyl-ammonium chloride

Characteristics

Sanitising spray

High alcohol

content (70% v/v)

Residue-free

Quick-drying

Biodegradable

Specifications

pH: 8.0

Density:

0.85 g/cm³ (20°C)



Deterlabo® HW, DT0011

Description

Sanitising detergent, impregnated wipes for surfaces.

Application

Wipes in a sanitising detergent based on quaternary compounds and amines, caustic and alkali-free, with a high surface cleaning power. Ideal product where thorough surface cleaning as well as a high sanitising action are required.

Suitable for the hygiene of laminar flow cabinets.

This solution is especially suitable for degreasing and sanitising all types of surfaces in a single clean.

How to use

Take a wipe from the dosing container and use it directly on the surface to be cleaned, letting the surface dry without rinsing.

Use the same wipe until the dirt is removed or when it is no longer damp.

Close the container lid after each use.

Contains (among others)

Cationic surfactants

Anionic surfactants

Characteristics

Impregnated

sanitising wipes

Direct use

Phosphate-free

Chlorine-free

Recyclable

Specifications

Appearance: Impregnated wipes



Deterlabo® HWR, DT0012

Description

Sanitising detergent, refill impregnated wipes for surfaces.

Application

Same applications as Deterlabo® HW, DT0011.

How to use

Place the refill in the original container/vessel.

Use in the same way as Deterlabo® HW, DT0011.

Contains (among others)

Cationic surfactants

Anionic surfactants

Characteristics

Impregnated

sanitising wipes

Direct use

Phosphate-free

Chlorine-free

Recyclable

Specifications

Appearance: Impregnated wipes



Machine Wash



Deterlabo® A, DT0001

Description

Acid detergent, concentrated liquid for machine or manual washing.

Application

Concentrated liquid for laboratory use (formulation based on citric acid) for manual washing of surfaces and laboratory material or machine washing.

In machine washing, it can be used as a prewash agent or as a rinse additive with a neutralising effect. Eliminates calcareous deposits and organic incrustations.

How to use

Machine washing, dispensed automatically through the appropriate cuvette or manually between 15-40 ml per wash.

Manual use, as a descaler: dilute between 5-20% in water.

Contains (among others)

Citric acid

Preservatives

Characteristics

Acid liquid

Phosphate-free

Biodegradable

Surfactant-free

Chlorine-free

Pigment-free

and no added scents

Specifications

pH: 2.5 (1% H₂O)

Density: 1.16 g/cm³ (20°C)

Deterlabo® AP, DT0007

Description

Acid detergent with phosphates, concentrated liquid.

Application

Acid detergent, concentrated liquid for laboratory use (phosphate-based), surfactant and solvent-free, to be used as a prewash agent or as a rinse additive in automatic machines, with neutralising and descaling effect.

Suitable for use in removing organic remains, proteins, organic bases and amines.

Also suitable for the removal of calcareous remains and incrustations in thermostatic baths, auto-claves, evaporators, etc.

How to use

- As a prewash/neutralising agent: the dosage will vary between 0.2-1.0%, at a recommended working temperature between 40-60°C.
- As a descaling cleaner: depending on the level of dirt and incrustation, the dosage will vary between 1-15%.

In all cases, final rinsing with clean water is recommended to remove the acidic remains of the product.

Contains (among others)

Inorganic acids

Characteristics

Acid liquid

Neutralising

Biodegradable

Surfactant-free

Chlorine-free

Specifications

pH: 2.0

Density: 1.37 g/cm³ (20°C)



Machine Wash

Deterlabo® B, DT0002

Description

Alkaline detergent, concentrated liquid for machine-washing.

Application

Suitable for labware cleaning in automatic machines, especially suitable for use in glassware washers with liquid detergent dispenser.

Recommended for all types of waters, regardless of its hardness.

Easily removes all kind of organic remains.

Applicable on stainless steel, ferrous and non-ferrous metals, plastics, glass and porcelain.

Should not be used on aluminium, zinc or tin materials.

How to use

After prewash process (if necessary), use the product at a concentration between 0.1-0.4% in the washer reservoir at a temperature of 50-80°C, with a final rinse until removing alkaline residues.

Contains (among others)

Alkalis (sodium/potassium hydroxides)

Complexing agents
Dispersants

Characteristics

Alkaline liquid

Biodegradable

Surfactants-free

Chlorine-free

Phosphate-free

No added dyestuff or odorant

Specifications

pH: 12.5 (1% H₂O)

Density: 1.30 g/cm³ (20°C)



Deterlabo® P, DT0006

Description

Alkaline detergent powder for machine washing.

Application

Chlorinated alkaline detergent powder. Suitable for washing laboratory utensils in automatic machines.

It can be used with water of any hardness and at any washing temperature.

Does not alter usual laboratory utensil materials: glassware, glass surfaces, Pyrex, stainless steel, porcelain, plastic, etc.

How to use

After a prewash process (optional), use the product at a concentration between 2-6 g/l of water in the wash tank at a temperature between 50-80°C, with a final rinse or neutralisation in the machine until eliminating alkaline residues.

Contains (among others)

Alkalis (sodium/potassium hydroxides)

Complexing agents

Characteristics

Alkaline powder

Pigment-free

and no added scents

Specifications

Apparent density:

1 g/cm³

Alkalimetric title:

170-230 mg/l Na₂CO₃



Deterlabo® Applications User Guide

Applications	Deterlabo® N	Deterlabo® O	Deterlabo® O RTU	Deterlabo® H	Deterlabo® H RTU	Deterlabo® OH	Deterlabo® HW	Deterlabo® HWR	Deterlabo® A	Deterlabo® Ap	Deterlabo® B	Deterlabo® P
Equipment	✓	✓	✓	✓	✓	✓	✓	✓	✓			
Labware	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Surfaces	✓	✓	✓	✓	✓	✓	✓	✓	✓			
Floors	✓	✓	✓	✓	✓		✓	✓				
Pre-wash	✓	✓	✓						✓	✓	✓	✓
Neutraliser									✓	✓		
Degreaser	✓	✓	✓	✓	✓	✓	✓	✓			✓	✓
Hygieniser				✓	✓	✓	✓	✓				✓
Fats and oils	✓	✓	✓	✓	✓	✓	✓	✓			✓	✓
Hydroxides and amines									✓	✓		
Organic incrustations				✓	✓		✓	✓	✓		✓	✓
Calcareous deposits									✓	✓		
Stainless steel	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Aluminium, Zinc	✓			✓	✓	✓	✓	✓		✓		
Lacquers and varnishes	✓	✓	✓	✓	✓		✓	✓				
Ceramics and porcelain	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Metals (except Al, Zn and Sn)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Plastics	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Glass	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓



Ordering Information

Art. No.	Description	Packaging
Manual wash		
DT00041000	Deterlabo® N, neutral detergent, concentrated liquid for manual use	1 l
DT0004005P	Deterlabo® N, neutral detergent, concentrated liquid for manual use	5 l
DT0005005P	Deterlabo® O, degreaser, concentrated liquid for surfaces	5 l
DT00081000	Deterlabo® O RTU, degreaser, RTU spray for surfaces	1 l
DT0003005P	Deterlabo® H, sanitising detergent, concentrated liquid for surfaces	5 l
DT00101000	Deterlabo® H RTU, sanitising detergent, RTU spray for surfaces	1 l
DT00091000	Deterlabo® OH, hydroalcoholic sanitiser, spray for utensils and surfaces	1 l
DT0009005P	Deterlabo® OH, hydroalcoholic sanitiser, spray for utensils and surfaces	5 l
DT00110100	Deterlabo® HW, sanitising detergent, moistened wipes for surfaces	100 wipes
DT00120100	Deterlabo® HWR, sanitising detergent, replacement wet wipes for surfaces	100 wipes
Machine wash		
DT0001005P	Deterlabo® A, acid detergent, concentrated liquid	5 l
DT0007005P	Deterlabo® AP, acid detergent with phosphates, concentrated liquid	5 l
DT0002005P	Deterlabo® B, alkaline detergent, concentrated liquid for machine-washing	5 l
DT0006005P	Deterlabo® P, alkaline detergent, powder for machine-washing	5 kg

scharlab.com

Scharlab S.L.

Gato Pérez, 33. Pol. Ind. Mas d'en Cisa.
08181 Sentmenat, Barcelona, Spain
Tel.: +34 93 715 19 40 - Fax: +34 93 715 27 65
E-mail: helpdesk@scharlab.com

Scharlab Italia S.r.l.

Via Alcide De Gasperi 56.
20070 Riozzo Di Cerro al Lambro (Mi), Italy
Tel.: +39 02 9823 0679 / +39 02 9823 6266
Fax: +39 02 9823 0211
E-mail: customerservice@scharlab.it

Scharlab Philippines, Inc.

4/F Unit K, No. 35 Sto. Niño Street corner Roosevelt Ave.
Barangay San Antonio, Quezon City 1105, Philippines.
Tel. - Fax: + 63 2 529 5726
E-mail: infophilippines@scharlab.ph

Scharlab Brasil S/A

Estrada do Campo Limpo, 780.
São Paulo. 05777-000, Brasil
Tel.: (11) 5512 5744 - Fax: (11) 5511 9366
E-mail: mkt@scharlab.com.br

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