

WATCH INDUSTRY





CLEANING AND SURFACE PREPARATION

Quality, reliability and expertise applied to the surface preparation of sensitive materials and parts with complex geometries and very small dimensions

COMPATIBILITY

- Steels:
- Inox, 301, 304, 316L, 420
- Maraging
- 20AP, H1, CK101, CK75
- Aluminium
- Copper alloys:
- Bronze, CuBe,
- Cuproaluminum, cupronickel
- Brass (leaded and unleaded)
- Nickel silver
- Gold: white, pink, yellow
- Platinum
- Titanium

PARTS

- Hands
- Pallets
- Balance
- Barrel
- Oscillating mass
- Pinions
- Bars
- Plate
- Wheels
- Ruby
- Screws

POLLUTIONS

- Oil, grease
- Polishing compounds
- Abrasives: satin-finish. microbalsting
- Oxides
- Varnish, glue, lacquer
- Fingerprints, dusts

DETERGENTS, SOLVENTS, FINISHING AND SPECIFIC APPLICATIONS

PRODUCT	pН	TYPE	FUNCTION	APPLICATION/POLLUTION
DECOCLEAN 540 ¹	13.9	Detergent	Spray or ultrasonic cleaning ³	Neat oil, polishing compounds
DECOSPRAY TM1	9.6			
RODACLEAN 2018 ²	14		- Ultrasonic cleaning	Polishing compounds, soluble oil, light pollutions
GALVEX 20.02	10			
GALVEX 20.31	10			Polishing compounds, lacquer
HELIT 2022	7.1	Finishing detergent		Hydrophilic finish
GALVEX 18.08	9.5			Hydrophobic finish
RODASTEL 30	0.5			Deoxidation, brightening effect
KORROSTOP 5000	12.3	Rinse additive	Soaking	Protection against corrosion
SCHUTZLACK NGL BLEUE	N.A.		Spraygun or paintbrush	Water-soluble masking varnish
SCHUTZLACK 2005 SP L ROSE	N.A.	Masking varnish		
SCHUTZLACK NGL 2002 ROSE	N.A.		Aerosol spray	
ALLSTRIP	N.A.		Ultrasonic cleaning	Glue, varnish, lacquer
RUBIFIN N°4	N.A.	Solvent	Degreasing in vacuum or ultrasonic machines	Neat oil

¹ Requires an oil separator

SUPPORT

- NGL Academy: training on precision cleaning, passivation, water treatment, and HSE regulation
- Application Centre: various cleaning systems and wide range of analytical tools for all types of tests
- Worldwide and local implementation

ISO CERTIFICATION'

- ISO 9001 Quality
- ISO 14001 Environment
- ISO 45001 Health and safety at work

*Applicable to the production site at NGL Cleaning Technology SA



SOLVENTS

for oil and heavy pollution removal

ALLSTRIP

Water-soluble solvent with a high flash point for the removal of glues, lacquers, in ultrasonic processes or in beakers. May replace acetone for degreasing operations.

RUBIFIN N°4

A3 solvent for degreasing in vacuum or ultrasonic processes. Its hydrocarbon-free formulation does not leave any greasy film on the parts in a vacuum process.

STRONG ALKALIS

for heavy pollutions

DECOCLEAN 540

Strong alkaline detergent for the removal of neat oil, polishing compounds in ultrasonic or spray processes. The machine must be equipped with an oil separator.

GALVEX 20.31

Alkaline detergent that includes a solvent for the removal of polishing pastes, neat and soluble oils and protective lacquers. Also suitable for surface preparation before electroplating. Compatible with brass and other copper alloys.

RODACLEAN 2018

Strong alkaline detergent for the removal of polishing pastes and soluble oils in ultrasonic processes. Particularly efficient on all grades of steel. Not compatible with brass.

MILD ALKALIS

for sensitive metals

DECOSPRAY TM

Mild alkali for the removal of neat oils on sensitive allovs. in ultrasonic or spray processes. (The machine must be equipped with an oil separator).

GALVEX 20.02

Universal detergent for ultrasonic cleaning. Compatible with all substrates. Particularly effective on polishing pastes and soluble oils, rinses off easily and also has a brightening effect on metals.

FINISHING

for rinsing, brightening and protection against oxidation

• GALVEX 18.08

Slightly alkaline finish for ultrasonic processes, which leaves a water-repellent film. Increases the speed of the drying process and protect against oxidation.

■ HELIT 2022

Universal detergent, suitable for any substrates, for ultrasonic cleaning finish. Excellent rinsability, hydrophilic finish.

■ KORROSTOP 5000

Rinsing additive in final rinse steps for an optimal protection against corrosion of sensitive steels.

■ RODASTEL 30

Multipurpose acid finish: **deoxidisation / brightening** of metals (steel, aluminium, brass and other copper alloys), and removal of firescale from laser engraving or welding.

SPECIFIC APPLICATIONS

for protection of parts

SCHUTZLACK BLEUE

Masking varnish for protection of polished or satin-finished areas during machining or laser engraving operations. Water-soluble in a detergent solution but resistant to A3 solvents such as Rubifin N°4. Available in a can for spraygun or paintbrush application.

SCHUTZLACK ROSE

Masking varnish for protection of polished or satin-finished areas during machining or laser engraving operations. Watersoluble in a detergent solution. Available in aerosol, or in a can for spraygun or paintbrush application.

With our **UPC 3000**, ensure daily basis that your equipment is properly set up: PM

- Measurement of ultrasonic power in Watts/L
- Conductivity measurement
- Temperature measurement
- Detergent concentration measurement
- Measuring the quality of demineralized water (0.001 µS/cm to 200 µS/cm)



² Suitable for any type of steel

³ Can be used in vacuum system



OUR PRODUCTS

CLEANING AND SURFACE PREPARATION

Quality, reliability and expertise applied to the surface preparation of watch dials prior to lacquering, electroplating or decorative PVD/CVD

COMPATIBILITY

- Steel
- Aluminium
- Brass (leaded and unleaded)
- Nickel silver
- Mother-of-pearl
- Lacquered dials

PARTS

Dials

POLLUTIONS

- Oil
- Solder
- Polishing compounds
- Abrasives: guilloché work, satin finish, microblasting, sunray brushing
- Fingerprints, dusts
- Varnish, lacquer

DETERGENTS, SOLVENTS, FINISHING AND SPECIFIC APPLICATIONS

PRODUCT	рН	ТҮРЕ	FUNCTION	APPLICATION/POLLUTION
RODACLEAN 2018 ¹	14	Detergent	Ultrasonic cleaning	Polishing compounds, oil
GALVEX 20.02	10			
HELIT 2022	7.1	Finishing detergent Delacquering		Hydrophilic finish
GALVEX 18.08	9.5			Hydrophobic finish
RODASTEL 30	0.5			Deoxidation, brightening effect
GALVEX 20.31	10			Lacquer, varnish
SCHUTZLACK NGL BLEUE	N.A.	Masking varnish	Spraygun or paintbrush	Water-soluble masking varnish
SCHUTZLACK 2005 SP L ROSE	N.A.			
SCHUTZLACK NGL 2002 ROSE	N.A.		Aerosol spray	
RUBIFIN N°4	N.A.	Solvent	Degreasing in vacuum or ultrasonic machines	Neat oil
ALLSTRIP	N.A.		Ultrasonic or beaker cleaning	Lacquer, Zapon varnish removal

¹ Suitable for any type of steel









SUPPORT

- NGL Academy: training on precision cleaning, passivation, water treatment, and HSE regulation
- Application Centre: various cleaning systems and wide range of analytical tools for all types of tests
- Worldwide and local implementation

ISO CERTIFICATION*

- ISO 9001 Quality
- ISO 14001 Environment
- ISO 45001 Health and safety at work

*Applicable to the production site at NGL Cleaning Technology SA

SOLVENTS

for oil and heavy pollution removal

ALLSTRIP

Water-soluble solvent with a **high flash point** for the removal of glues, lacquers, in ultrasonic processes or in beakers. May replace acetone for degreasing operations.

■ RUBIFIN N°4

A3 solvent for degreasing in vacuum or ultrasonic processes. Its **hydrocarbon-free formulation** does not leave any greasy film on the parts in a vacuum process.

STRONG ALKALIS

for heavy pollutions

• GALVEX 20.31

Alkaline detergent that includes a solvent for the removal of polishing pastes, neat and soluble oils and protective lacquers. Also suitable for surface preparation before electroplating. Compatible with brass and other copper alloys.

■ RODACLEAN 2018

Strong alkaline detergent for the removal of polishing pastes and soluble oils in ultrasonic processes. Particularly efficient on all grades of steel. Not compatible with brass.

MILD ALKALIS

for sensitive metals

■ GALVEX 20.02

Universal detergent for ultrasonic cleaning. Compatible with **all substrates**. Particularly effective on polishing pastes and soluble oils, **rinses off easily** and also has a **brightening effect** on metals.





FINISHING

for rinsing, brightening and protection against oxidation

■ GALVEX 18.08

Slightly alkaline finish for ultrasonic processes, which leaves a **water-repellent film**. Increases the speed of the drying process and protect against oxidation.

• HELIT 2022

Universal detergent, suitable for any substrates, for ultrasonic cleaning finish. Excellent rinsability, **hydrophilic finish**.

RODASTEL 30

Multipurpose acid finish: **deoxidation / brightening** of metals (steel, aluminium, brass and other copper alloys), and removal of firescale from laser engraving or welding.

SPECIFIC APPLICATIONS

for part protection

SCHUTZLACK BLEUE

Masking varnish for protection of polished or satin-finished areas during machining or laser engraving operations. Water-soluble in a detergent solution but resistant to A3 solvents such as Rubifin N°4. Available in a can for spraygun or paintbrush application.

SCHUTZLACK ROSE

Masking varnish for protection of polished or satin-finished areas during machining or laser engraving operations. **Watersoluble in a detergent solution**. Available in aerosol, or in a can for spraygun or paintbrush application.

With our **UPC 3000**, ensure on a daily basis that your equipment is properly set up:

- Measurement of ultrasonic power in Watts/L
- Measurement of the conductivity
- Temperature measurement
- Detergent concentration measurement
- Measuring the quality of demineralised water (0.001 uS/cm to 200 uS/cm)



OUR PRODUCTS

CLEANING AND SURFACE PREPARATION

Quality, reliability and expertise applied to sensitive materials and to transparent watch parts

COMPATIBILITY

- Glass:
- Mineral
- Acrylic glass (plexiglass, hesalite)
- Sapphire
- Substrates:
- Brass
- Stainless steel
- Steel

PARTS

- Glass
- Date magnifiers
- Lapping plate

POLLUTIONS

- Cutting oil
- Abrasives:
- Cerium oxide
- Silicon dioxide
- Aluminium oxide
- Polishing compounds
- Fingerprints, dusts
- Blocking glue

DETERGENTS, SOLVENTS, FINISHING AND SPECIFIC APPLICATIONS

PRODUCT	рН	ТҮРЕ	FUNCTION	APPLICATION/CONTAMINATION
ALLSTRIP	N.A.	Solvent Detergent	Ultrasonic cleaning	Varnish, blocking glue
GALVEX 20.31	10			
OPTICAL 2021	14			Abrasives, varnish, blocking glue
OPTICAL V	14			Abrasives
NANOCLEAN 2018	9.5			Light pollutions
DECOCLEAN 540 ¹	13.9		Spray or ultrasonic cleaning ²	Cutting oil, abrasives
BIOPTIC 2001	0.9	Finishing detergent		- Hydrophilic finish
OPTICAL 30	0.5		Ultrasonic cleaning	
GL 801 S	6.7			Hydrophilic superfinish
GALVEX 18.08	9.5			Hydrophobic finish

¹ Requires an oil separator

² Can be used in vacuum system









SUPPORT

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SOLVENT

for non-polar pollutions removal

ALLSTRIP

Water-soluble solvent with a high flash point for the removal of glues, lacquers, in ultrasonic processes or in beakers. May replace acetone for degreasing operations.

STRONG ALKALIS

for heavy pollutions

■ DECOCLEAN 540

Strong alkaline detergent for the removal of neat oil, polishing compounds in ultrasonic or spray processes. The machine must be equipped with an oil separator.

OPTICAL 2021

Strong alkaline detergent that includes a solvent for the removal of polishing compounds, lacquers and blocking glues in ultrasonic processes.

OPTICAL V

Strong alkaline detergent for the removal of polishing compounds in ultrasonic processes.

FINISHING

for rinsing and neutralising

■ BIOPTIC 200

Free rinsing acid finish for spray or ultrasonic processes. To neutralise alkaline residues and leave a **hydrophilic** surface.

■ GALVEX 18.08

Slightly alkaline finish for ultrasonic processes, which leaves a water-repellent film. Increases the speed of the drying process.

• GL 801 S

Hydrophilic superfinish product for ultrasonic processes. Extreme free-rinsing, which will leave no residues on parts.

OPTICAL 30

Free rinsing acid finish for ultrasonic processes. To neutralise alkaline residues and leave a hydrophilic surface.





MILD ALKALIS

for light pollutions and finishing

NANOCLEAN 2018

Universal detergent for light pollutions removal: dusts, fingerprints. Its excellent rinsability also allows it to be used as a hydrophilic finish.

SPECIFIC APPLICATIONS

for plates cleaning

■ GALVEX 20.31

Hybrid detergent including a high flash point solvent for ultrasonic removal of blocking glues from steel or brass lapping





With our UPC 3000, ensure daily basis that your equipment is properly set up: PM

- Measurement of ultrasonic power in
- Conductivity measurement
- Temperature measurement
- Detergent concentration measurement
- Measuring the quality of demineralized water (0.001 µS/cm to 200 µS/cm)



OUR PRODUCTS

CLEANING AND SURFACE PREPARATION

Quality, reliability and expertise applied to sensitive materials and external watch components

COMPATIBILITY

- Aluminium
- Stainless steel
- Ceramic
- Brass (unleaded)
- Gold: white, pink, yellow
- Polymers
- Titanium
- Rhodium, palladium

PARTS

- Watch band: links strand
- Spring bars
- Clasps
- Watch cases: crowns, bezels, case body, backs

POLLUTIONS

- Oil, grease
- Polishing compounds
- Abrasive
- Oxides
- Fingerprints
- Masking varnish
- Glue, lacquer

DETERGENTS, SOLVENTS, FINISHING AND SPECIFIC APPLICATIONS

PRODUCT	рН	ТҮРЕ	FUNCTION	APPLICATION/POLLUTION
DECOCLEAN 540 ¹	13.9		Spray or ultrasonic cleaning ³	Neat oil
DECOSPRAY TM1	9.6			
RODACLEAN 2018 ²	14	Detergent	- Ultrasonic cleaning	Polishing compounds, soluble oil, light pollutions
GALVEX 20.02	10			
GALVEX 20.31	10			Masking varnish
HELIT 2022	7.1	Finishing detergent		Hydrophilic finish
GALVEX 18.08	9.5			Hydrophobic finish
RODASTEL 30	0.5			Deoxidation, brightening effect
DECOMET	1.0	Citric acid passivation	Soaking	Free iron oxide removal
SCHUTZLACK NGL BLEUE	N.A.	Masking varnish	Spraygun or paintbrush	Water-soluble masking varnish
SCHUTZLACK 2005 SP L ROSE	N.A.			
SCHUTZLACK NGL 2002 ROSE	N.A.		Aerosol spray	
ALLSTRIP	N.A.		Ultrasonic cleaning	Glue, varnish, lacquer
RUBIFIN N°4	N.A.	Solvent	Degreasing in vacuum or ultrasonic machines	Neat oil

¹ Requires an oil separator

SUPPORT

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*Applicable to the production site at NGL Cleaning Technology SA

SOLVENTS

for oil and heavy pollution removal

ALLSTRIP

Water-soluble solvent with a high flash point for the removal of glues, lacquers, in ultrasonic processes or in beakers. May replace acetone for degreasing operations.

■ RUBIFIN N°4

A3 solvent for degreasing in vacuum or ultrasonic processes. Its hydrocarbon-free formulation does not leave any greasy film on the parts in a vacuum process.

STRONG ALKALIS

for heavy pollutions

DECOCLEAN 540

Strong alkaline detergent for the removal of neat oil, polishing compounds in ultrasonic or spray processes. The machine must be equipped with an oil separator.

GALVEX 20.31

Alkaline detergent that includes a solvent for the removal of polishing pastes, neat and soluble oils and protective lacquers. Also suitable for surface preparation before electroplating. Compatible with brass and other copper alloys.

RODACLEAN 2018

For ultrasonic cleaning. With its high sodium and potassium hydroxydes concentration, it removes solube oils, polishing pastes, as well as all types of abrasives. Not compatible with brass.

MILD ALKALIS

for sensitive metals

DECOSPRAY TM

Mild alkali for the removal of neat oils on sensitive alloys, in ultrasonic or spray processes (the machine must be equipped with an oil separator).

GALVEX 20.02

Universal detergent for ultrasonic cleaning. Compatible with all substrates. Particularly effective on polishing pastes and soluble oils, rinses off easily and has a brightening effect on metals.

FINISHING

for rinsing, brightening and protection against oxidation

• GALVEX 18.08

Slightly alkaline finish for ultrasonic processes, which leaves a water-repellent film. Increases the speed of the drying process and protect against oxidation.

HELIT 2022

Universal detergent, suitable for any substrates, for ultrasonic cleaning finish. Excellent rinsability, hydrophilic finish.

RODASTEL 30

Multipurpose acid finish: deoxidation / brightening of metals (steel, aluminium, brass and other copper alloys), and removal of firescale from laser engraving or welding.

SPECIFIC APPLICATIONS

for part protection and passivation

DECOMET

Citric acid-based passivation. Solubilizes free iron oxides, present on the surface of stainless steels, and promotes the oxidation of chromium, to form a passive layer.

SCHUTZLACK BLEUE

Masking varnish for protection of polished or satin-finished areas during machining or laser engraving operations. Water-soluble in a detergent solution but resistant to A3 solvents such as Rubifin N°4. Available in a can for spraygun or paintbrush application.

SCHUTZLACK ROSE

Masking varnish for protection of polished or satin-finished areas during machining or laser engraving operations. Watersoluble in a detergent solution. Available in aerosol, or in a can for spraygun or paintbrush application.

With our UPC 3000, ensure daily basis that your equipment is properly set up: PM

- Measurement of ultrasonic power in Watts/L
- Conductivity measurement
- Temperature measurement
- Detergent concentration measurement
- Measuring the quality of demineralized water (0.001 µS/cm to 200 µS/cm)



² Suitable for any type of steel, can be used in surface preparation prior to passivation

³ Can be used in vacuum system

CLEANING AND SURFACE PREPARATION

Quality, reliability and expertise applied to the surface preparation of sensitive materials and parts with complex geometries and very small dimensions

COMPATIBILITY

- Steels:
- Inox, 301, 304, 316L, 420
- Maraging
- 20AP, H1, CK101, CK75
- Aluminium
- Copper alloys:
- Bronze, CuBe,
- Cuproaluminum, cupronickel
- Brass (leaded and unleaded)
- Nickel silver
- Gold: white, pink, yellow
- Platinum
- Titanium

PARTS

- Hands
- Pallets
- Balance
- Barrel
- Oscillating mass
- Pinions
- Bars
- Plate
- Wheels
- Ruby
- Screws

POLLUTIONS

- Oil, grease
- Polishing compounds
- Abrasives: satin-finish, microblasting
- Oxides
- Laser engraving
- Varnish, glue, lacquer
- Fingerprints, dusts

DETERGENTS, SOLVENTS, FINISHING AND SPECIFIC APPLICATIONS

PRODUCT	pН	TYPE	FUNCTION	APPLICATION/POLLUTION
GALVEX 20.02	10	Detergent	Ultrasonic cleaning	Polishing compounds, oil, light pollutions
GALVEX SU 737	7.2			
KORROSTOP 5000	12.3	Rinse additive	Soaking	Protection against corrosion
SCHUTZLACK 2005 SP L ROSE	N.A.	Masking varnish	Spraygun or paintbrush	Water-soluble masking varnish
ALLSTRIP	N.A.	Solvent	Ultrasonic cleaning	Wax, glue, varnish, lacquer
RUBIFIN N°4	N.A.		Ultrasonic degreasing	Neat oil
RUBIFIN N°10	N.A.		Degreasing in watchmaking machine	Wax, oxides, dusts
RUBIFIN N°3	N.A.			

¹ Requires an oil separator









SUPPORT

- NGL Academy: training on precision cleaning, passivation, water treatment, and HSE regulation
- Application Centre: various cleaning systems and wide range of analytical tools for all types of tests
- Worldwide and local implementation

ISO CERTIFICATION*

- ISO 9001 Quality
- ISO 14001 Environment
- ISO 45001 Health and safety at work

*Applicable to the production site at NGL Cleaning Technology SA

SOLVENTS

for oil and heavy pollution removal

ALLSTRIP

Water-soluble solvent with a **high flash point** for the removal of glues, lacquers, in ultrasonic processes or in beakers. May replace acetone for degreasing operations.

■ RUBIFIN N°4

A3 solvent for degreasing in vacuum or ultrasonic processes. Its **hydrocarbon-free formulation** does not leave any greasy film on the parts in a vacuum process.

for degreasing in watchmaking machine

RUBIFIN N°10

High flash point solvent for use in machine cleaning watch movements. **Deoxidation of metals**, especially copper alloys. Does not attack shellac.

RUBIFIN N°3

Rinsing and **drying** solvent for use in machine cleaning movements. Compatible with all metals. **Spot free finish**.

MILD ALKALIS

for sensitive metals

• GALVEX 20.02

Universal detergent for ultrasonic cleaning. Compatible with **all substrates**. Particularly effective on polishing pastes and soluble oils, **rinses off easily** and has a **brightening effect** on metals.

GALVEX SU 737

Universal detergent for ultrasonic cleaning. Compatible with all substrates. Particularly effective on polishing pastes and soluble oils, rinses off easily and has a brightening effect on metals. Hydrophobic finish that protects against corrosion.



FINISHING

for rinsing, brightening and protection against oxidation

KORROSTOP 5000

Rinsing additive in final rinse steps for an optimal protection against corrosion of sensitive steels.







SPECIFIC APPLICATIONS

for protection of parts

SCHUTZLACK 2005 SP L ROSE

Masking varnish for protection of polished or satin-finished areas during machining or laser engraving operations. **Watersoluble in a detergent solution**. Available in a can for spraygun or paintbrush application.

With our **UPC 3000**, ensure daily basis that your equipment is properly set up:

- Measurement of ultrasonic power in Watts/L
- Conductivity measurement
- Temperature measurement
- Detergent concentration measurement
- Measuring the quality of demineralized water (0.001 uS/cm to 200 uS/cm)



OUR SUBSIDIARIES AROUND THE WORLD

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