

DCP BIONAL DESCA 800

POWERFUL ACIDIC DESCALER

DCP Bional Desca 800 is a powerful acidic cleaner designed for descaling, cleaning, and degreasing a wide range of acid-resistant surfaces. Its specialized blend of high-performance surfactants, emulsifiers and acids, effectively removes scale, urinal residue, oxidation, and other stubborn (mineral) deposits. DCP Bional Desca 800 combines maximum effectiveness with minimal hazard. It is a non-flammable, water-based cleaner free from hydrochloric acid, hydrofluoric acid, nitric acid, sulfuric acid and oxalic acid.



Suitable for:

All acid-resistant surfaces:

- Acid-resistant metals: including stainless steel, cast iron, aluminum, and titanium
- Ceramic tiles
- Plastics and epoxy resins
- Floor and covering joints, stucco
- Glass

Avoid contact with natural stones such as marble and limestone and all other acid-sensitive surfaces in general.

Specifications:

- Classification: H314 (causes severe skin burns and eye damage)
- Appearance at 20 °C: Clear Liquid
- Odour: Characteristic
- Freezing Point: < -4 °C
- Storage: 0 – 35 °C
- Flammability: None
- Cloud Point: 85 °C
- pH at 20 °C: 0.8 (100%)
- Density at 20 °C: 1.07 g/cm³
- Solubility in water: Fully

Effective against:

- Limescale deposits
- Urine scale
- Soap residue
- Hard water stains
- Waterline borders
- Mineral deposits
- Smog deposits
- Rust and oxidation stain
- Unpleasant odors



Biodegradable

Complies with the biodegradability criteria of Regulation (EC) No.648/2004



Industrial strength

Removes scale, oxidation and other stubborn mineral deposits from all acid-resistant surfaces



Deep Cleaning

Features powerful cleaning and degreasing properties with a penetrating action to remove all dirt



Acid Cleaner

Strong non-toxic acid cleaner. Free from hydrochloric acid, hydrofluoric acid and nitric acid



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Cleaning Technology	Materials and some specific examples	Operating Procedure
Ultrasonic cleaning	<p>Deep cleaning of fine mechanical industrial acid-resistant parts</p> <p>Metals</p> <ul style="list-style-type: none"> • Metal processing • Industrial mechanical components: casts, cylinders, pistons, heat exchangers • Cutting tools • Automotive parts: gearbox parts, carburetors • Electronic casings and parts <p>Ceramics</p> <ul style="list-style-type: none"> • Insulators • Linings <p>Glass</p> <ul style="list-style-type: none"> • Glassware, equipment and cookware • Optical lenses 	<ul style="list-style-type: none"> • It is recommended to use demineralized or distilled water to operate the ultrasonic bath • Mix DCP Bional Desca 800 with water in the ultrasonic bath • Ensure proper dilution depending on the degree of soiling (10 – 50 mL DCP Bional Desca 800 / 1 L water); always add DCP Bional Desca 800 to the water • Preheat the solution to 40 – 80 °C and set the bath to the proper frequency • Load the soiled item in the ultrasonic bath; the cleaning time varies between 5 and 20 minutes • After completion, remove the cleaned item from the bath and rinse thoroughly with demineralized/distilled water to remove any residual solution • If cleaning is not satisfactory, repeat the cleaning procedure and increase cleaning time, temperature and/or concentration (increasing temperature enhances cleaning power but also corrosivity)
Dip and degreasing tanks	<p>General maintenance and deep cleaning of industrial acid-resistant materials and parts; big and small</p> <p>Metals</p> <ul style="list-style-type: none"> • Hydraulic system components • Boilers, condensers, steam generators, heat exchangers • Pipelines • Metal plates and sheets • Dies and molds <p>Ceramics</p> <ul style="list-style-type: none"> • Tiles • Substrates • Insulators <p>Glass</p> <ul style="list-style-type: none"> • Glassware and equipment • Optical lenses and windows 	<ul style="list-style-type: none"> • It is recommended to use demineralized or distilled water to operate the dip tank • Mix DCP Bional Desca 800 with water in the dip tank • Ensure proper dilution depending on the degree of soiling (10 – 100 mL DCP Bional Desca 800 / 1 L water); always add DCP Bional Desca 800 to the water • Preheat the solution to 40 – 80 °C • Load the soiled item in the degreasing bath; the cleaning time varies between 5 – 20 minutes • After completion, remove the cleaned item from the bath and rinse thoroughly with demineralized/distilled water to remove any residual solution • If cleaning is not fully satisfactory, repeat the cleaning procedure and increase cleaning time, temperature and/or concentration (increasing temperature enhances cleaning power but also corrosivity)
Maintenance and parts washers	<p>General maintenance and deep cleaning of industrial acid-resistant materials and parts</p> <p>Metals</p> <ul style="list-style-type: none"> • Industrial metal components • Working tools and equipment • Construction metals • Industrial filters <p>Ceramics</p> <ul style="list-style-type: none"> • Tiles • Substrates • Insulators <p>Glass</p> <ul style="list-style-type: none"> • Glassware and equipment • Optical lenses 	<ul style="list-style-type: none"> • It is recommended to use demineralized or distilled water to operate the parts washer • Follow the instructions of the parts washer to add DCP Bional Desca 800 • Ensure proper dilution: general maintenance (25 – 50 mL DCP Bional Desca 800 / 1 L water); deep cleaning (100 – 200 mL DCP Bional Desca 800 / 1 L water); always add DCP Bional Desca 800 to the water • Inspect the soiled item for loose or large deposits which can be removed manually • Start the cleaning cycle: the recommended temperature varies between 30 – 40 °C and duration between 10 – 20 minutes • After completion, remove the cleaned item from the parts washer and rinse with demineralized/distilled water to remove any residual solution • If required, dry the cleaned item with compressed air or a lint-free cloth • If cleaning is not satisfactory, repeat the cleaning procedure and increase cleaning time, temperature and/or concentration (increasing temperature enhances cleaning power but also corrosivity)
High- and low-pressure cleaning	<p>General maintenance and deep cleaning of acid-resistant industrial and residual surfaces, areas, materials and parts</p> <p>Metals</p> <ul style="list-style-type: none"> • Tanks and vessels • Installations and parts: boilers, condensers, cooling towers, heat exchangers <p>Ceramics</p> <ul style="list-style-type: none"> • Tiles and paving • Pottery • Swimming pool surfaces <p>Glass</p> <ul style="list-style-type: none"> • Surfaces and windows 	<ul style="list-style-type: none"> • Optimal cleaning is achieved by using demineralized or distilled water • Follow the instructions of the high- or low-pressure cleaning device to add DCP Bional Desca 800 • Ensure proper dilution: general maintenance (50 – 100 mL DCP Bional Desca 800 / 1 L water), deep cleaning (100 – 500 mL DCP Bional Desca 800 / 1 L water); always add DCP Bional Desca 800 to the water • Recommended operating temperatures range between 20 – 40 °C • Inspect the soiled surface for loose or large deposits which can be removed manually • Evenly spray the soiled surface with the diluted cleaning solution and let it soak for 5 – 20 minutes • After completion, rinse the surface with demineralized/distilled water; if required, dry the cleaned surface with a lint-free cloth • If cleaning is not fully satisfactory, repeat the cleaning procedure and increase cleaning time and/or concentration
Cleaning machines – automatic scrubbers, floor strippers, etc.	<p>General maintenance and deep cleaning of acid-resistant flooring and floor joints in industrial and residual settings</p> <p>Flooring materials</p> <ul style="list-style-type: none"> • Ceramic tiles • Epoxy • Glass • Stucco 	<ul style="list-style-type: none"> • Optimal cleaning is achieved by using demineralized or distilled water • Follow the instruction of the cleaning machine to add DCP Bional Desca 800 • Ensure proper dilution: general maintenance (10 – 50 mL DCP Bional Desca 800 / 1 L water), deep cleaning (50 – 200 mL DCP Bional Desca 800 / 1 L water); always add DCP Bional Desca 800 to the water • Recommended operating temperature range between 20 – 50 °C • Follow the machine specific instructions to perform the cleaning process • After cleaning optionally rinse with demineralized/distilled water to obtain a residue free surface • If cleaning is not fully satisfactory, repeat the cleaning procedure and increase cleaning time and/or concentration

Wear protective gloves, clothes and eye protection

If uncertain about material compatibility, test DCP Bional Desca 800 first on a small, hidden area

