

DCP BIOMEX HDI LWF

LIGHT FOAM – HEAVY CLEANING

This water-based mild foaming, biodegradable cleaner and degreaser is not only environmentally friendly but also safe to humans. While its high alkalinity provides a deep cleaning and degreasing effect, DCP Biomex HDI LWF acts as a corrosion inhibitor on aluminum surfaces and can be applied to any surface except glass. Its mild foaming nature makes DCP Biomex HDI LWF ideal for all types of cleaning machines. Free from chlorinated and petroleum solvents, bleach, ammonia, caustics, phosphates, phosphonates, NTA and EDTA.



Suitable for:

- Corrosion-sensitive and corrosion-resistant metal parts: including aluminum, stainless steel, titanium, and copper
- Plastics, rubbers, and epoxy resins
- Lacquered or coated surfaces
- Painted surfaces
- Ceramic tiles
- (Natural) stone: granite, marble, slate, etc.
- Colorfast fabrics

Specifications:

- Classification: H318 (causes serious eye damage)
- Appearance at 20°C: Clear Liquid
- Odour: Neutral
- Freezing Point: <-4 °C
- Storage: 0°C - 35°C
- Cloud Point: 52°C
- Flammability: Will not ignite readily
- pH at 20°C: 12.6 (100%)
- Density at 20°C: 1.04 g/cm³
- Solubility in Water: Fully

Effective against:

- Both light and heavy oil residues
- Fuel oil and fuel leaks
- Stubborn fats, proteins, and burnt-on food residues
- Insect residues
- Fire smoke damage
- Soot and carbon deposits
- Chemical residues
- Nicotine stains
- Old (polish) wax layers to be removed
- Stains and unpleasant odors
- Static dirt



Biodegradable

Only contains readily-biodegradable components



Metal safe

Safe to use on metals such as aluminum and stainless steel



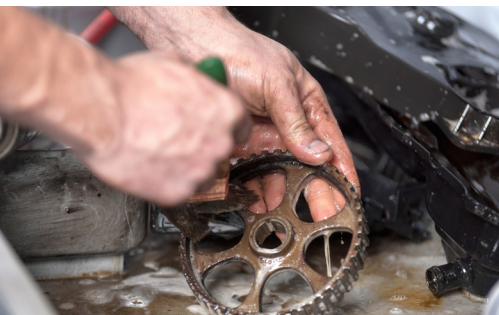
Low Foam machine cleaning

Foam reducing formulation specifically designed for a wide range of cleaning machinery



Alkaline cleaner

High alkaline cleaning power



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Cleaning Technology	Materials and some specific examples	Operating Procedure
Cleaning machines – automatic scrubbers, floor strippers, spray extraction cleaners, etc.	<p>General maintenance and deep cleaning of flooring and carpets in industrial and residual settings, wax removal on wooden flooring</p> <p>Flooring materials</p> <ul style="list-style-type: none"> • (Polished) concrete • Brick and paving • Ceramics tiles, and natural stone • Epoxy • Vinyl, laminate, linoleum • Rubber • Colorfast carpets 	<ul style="list-style-type: none"> • Optimal cleaning is achieved by using demineralized or distilled water • Follow the instructions of the cleaning machine to add Biomex HDI LWF • Ensure proper dilution: general maintenance (10 – 20 mL Biomex HDI LWF / 1 L water), deep cleaning (50 – 200 mL Biomex HDI LWF / 1 L water) • Recommended operating temperatures range between 20 – 50 °C • Follow the machine specific instructions to perform the cleaning process • After cleaning optionally rinse with water to obtain a residue free surface • If cleaning is not fully satisfactory, repeat the cleaning procedure and increase cleaning time and/or concentration
Ultrasonic cleaning	<p>Deep cleaning of fine mechanical industrial parts</p> <p>(Corrosive) metals</p> <ul style="list-style-type: none"> • Industrial mechanical components: casts, cylinders, pistons, heat exchangers • Automotive parts: gearbox parts, carburetors • Electronic casings and parts • Precious metals: jewelry, watches, coins <p>Plastics and rubbers</p> <ul style="list-style-type: none"> • Housing for electronic devices • Liquid oxygen devices • Laboratory equipment • 3D printing components 	<ul style="list-style-type: none"> • It is recommended to use demineralized or distilled water to operate the ultrasonic bath • Mix Biomex HDI LWF with water in the ultrasonic bath • Ensure proper dilution depending on the degree of soiling (10 – 100 mL Biomex HDI LWF / 1 L water) • Preheat the solution to 40 – 50 °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 fully satisfactory, repeat the cleaning procedure and increase cleaning time and/or concentration
High- and low-pressure cleaning	<p>General maintenance and deep cleaning of industrial and residual surfaces, areas, materials and parts</p> <p>(Corrosive) metals</p> <ul style="list-style-type: none"> • Fences • Metal constructions, scaffolds • Motor and bicycle parts <p>Plastics and rubbers</p> <ul style="list-style-type: none"> • Plastic cladding <p>Ceramics and natural stone</p> <ul style="list-style-type: none"> • Brick walls and facades • Tiles and paving • Pottery <p>Coated and painted surfaces</p> <ul style="list-style-type: none"> • Aircraft applications • Paint degreasing pretreatment • Outdoor furniture <p>Colorfast textile</p> <ul style="list-style-type: none"> • Tent covers, tarpaulins, and awnings 	<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 Biomex HDI LWF • Ensure proper dilution depending on the degree of soiling: general maintenance (50 – 100 mL Biomex HDI LWF / 1 L water), deep cleaning (100 – 500 mL Biomex HDI LWF / 1 L 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 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

Wear protective gloves, clothes and eye protection

If uncertain about material compatibility, test Biomex HDI first on a small, hidden area

