

## Lubrication Solutions for Industry



## High Performance Cleaners for Industry

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CB12022




# Cleaners for higher productivity

Cleaning of work-piece and semi finished products for subsequent process is an important aspect during production. Insufficient or incorrect cleaning often lead to defective products and increase in rejection rates.













Industrial cleaners ensure components are free from dust, grease, grime, impurities and other agents that are typical in metal working processes. Selection of the right cleaner for desired result, depends on the material to be cleaned, system technology and level of exposure to various kinds of impurities.

## Cleaners based on synthetic hydrocarbons

Product	Viscosity at 20°C [mm²/S]	Flash Point [°C]	Properties
<b>Beruclean Eco</b>    	1.8	≥ 65	No ozone depleting agents. Compatible with plastics and rubber. Universal cold cleaning agent, free of aromatic hydrocarbons, almost no smell, readily biodegradable according to OECD 301 F. Also NSF-H1 approved. Gives temporary rust protection. Suitable for ultrasonic, dip and manual cleaning.
<b>Beruclean 4027</b>   	3.3	≥ 101	Cold cleaner based on paraffin hydrocarbons with low aromatic content and free from hazardous substances. Leaves a thin oily corrosion protection film. No ozone depleting agents. Higher flash point. Compatible with plastics and rubber. Suitable for ultrasonic, dip and manual cleaning. Almost no smell.

Product	Base Oil	Kinematic viscosity at 40°C [mm²/s]	Examples of application	Properties
<b>Premium Pro Clean Spray</b>   	Mineral	Approx.2	Cleaning of oily ball bearings, guide ways, chains, electric motors, pumps, generators, sprockets, dies, fork lift trucks, air tools etc.	Solvent based heavy duty, de-greasing spray with good cleaning and penetrating characteristics. Dries out rapidly without any residues

## Concentrates for aqueous cleaning

Product	pH Value at 5%	Examples of application	Properties
<b>Premium Clean 223 RF</b>   	8.4	Can be used for cleaning of ferrous and non-ferrous metals.	Universally applicable aqueous cleaner to remove oil, coolant, grease deposits and metal working soils from machine surfaces and shop floor etc.. Product contains inhibitors which give short term protection against corrosion. Suitable for ultrasonic, spray, manual and immersion cleaning.
<b>Beruclean 113 EMF</b>  	9.5	Suitable for Steel, SS, Aluminium and Cast iron	Universal alkaline cleaner with low foaming properties. Specially recommended for high pressure cleaning applications: Spray cleaning (+55°C to +70°C), Ultrasonic cleaning (+50°C to +70°C) and Immersion cleaning (+50°C to +80°C).
<b>Beruclean 3050</b>   	10.2	Suitable for Concrete, Ferrous, Glass, Plastic surfaces, Steel, Tiles	Universal alkaline cleaner to remove industrial contamination. Suitable for manual and ultrasonic cleaning and floor cleaning machines. Neutral towards paints, rubber seals, plastics, textile and aluminium. Suited for machines and machine parts and floor cleaning.
<b>Beruclean 111 EHF</b>  	13	Steel, SS and Cast iron	High alkaline aqueous cleaning agent for steel and ferrous materials. Specially recommended for ultrasonic spray, immersion cleaning applications. Effective against extremely rigid dust and sludge particles. Spray cleaning (+40°C to +60°C), Ultrasonic cleaning (+50°C to +80°C) and Immersion cleaning (+50°C to +80°C).
<b>Beruclean 3849</b>  	1.5	Ceramic, Copper, Glass, Plastic or other acid-resistant materials, Stainless Steel, ferrous materials	Acidic cleaner with surfactants for removal of organic and inorganic residues. Designed for ultrasonic, immersion, manual cleaning as well as for diluted use in high pressure cleaning applications. Removes stubborn lime deposits. Cleans acid-resistant materials and rust.

## Beruclean : Heavy duty range of cleaners by BECHEM







Beruclean range of cleaners by BECHEM developed with advanced formulation provide spotless and speck free components, leaving no residues that is mandatory for critical machining processes. The Beruclean range is available in both aqueous and solvent-based biodegradable variations for wide variety of materials.

# Influencing factors when choosing the right cleaner











An optimal cleaner affects the factors of time, temperature and costs.



## Corrosion protection fluid / rust preventives

Product	Kinematic viscosity at 40°C [mm²/s]	Layer thickness approx. [µm]	Period of indoor protection	Properties
<b>Premium Protect DW 10</b>   	1.0 to 1.05	1 to 2	8 Months	Almost odourless solvent based on hydrotreated distillates. Has excellent water displacing and drying ability on parts exposed / processed in watery systems. Gives almost dry to touch protective film. Recommended for separation of watery adhesions / dewatering properties. Provides corrosion protection during transport and storage.
<b>Premium Protect 81 Spray</b>   	Mineral	100-115	30 to 45 days	Recommended for bare metal parts exposed to weather conditions. For protection of moulds, tools and machinery parts

>> Beruclean, cuts through rigid dirt, grime, grease and sludge <<

-  Good rinsing performance
-  Low residue level
-  Low foaming
-  Biodegradable
-  Resistant to water
-  Food grade & pharma
-  Manual cleaning
-  Corrosion protection
-  Compatible with plastics
-  Spray Module