



Cleaner

for metalworking

Professional on the workpiece: Beruclean

BECHEM offers the **Beruclean** series both in aqueous and solvent-based products for the residue-free cleaning of any process fluid in metal-working covering a wide range of materials and cleaning processes.

Neutral cleaners

Beruclean neutral cleaners are highly concentrated and therefore very economical in use. Even at high pressure and low temperatures they prevent foaming, have a very good demulsifying effect, an in-process corrosion protection, and provide for a self-cleaning effect in the washing systems. Due to the various application possibilities of **Beruclean** neutral cleaner, the number of products required for the process chain can also be reduced.

Mild and highly alkaline cleaners

In ultrasonic, spray and immersion cleaning processes, mild alkaline **Beruclean** cleaning agents can be used for non-ferrous metals, zinc and aluminum, highly alkaline Beruclean cleaning agents are recommended for ferrous metals.

Influencing factors when choosing the right cleaner

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



Hydrocarbon cleaners

Beruclean hydrocarbon cleaners are particularly well-suited for cleaning organic contaminants, such as oil or grease, due to their high solvent power. BECHEM cold cleaners are virtually free of aromatic compounds and are characterized by a narrow boiling range, low consumption and short drying times. For environmentally sensitive areas we recommend the readily biodegradable cold cleaning agent Beruclean ECO.

Acid cleaners

The acid-based cleaners of the **Beruclean series** are particularly suitable for cleaning stainless steel and ceramic materials. Due to their high dissolving power they enable the removal of calcifications and other acid-soluble impurities.

Hydrocarbon cleaner for manual cleaning

PRODUCT	Kinematic viscosity [mm²/s] at 40 °C		Flash point [°C]	Examples of application	Description	
Beruclean S 4033 	1,6	≥ 62	Degreasing of metal parts and semi-finished products; cleaning of equipment, tools, engines, tank systems, chains, and vehicles; removal of water-insoluble machining oils, corrosion protection fluids, and waxes. Suitable for use in immersion baths or for manual cleaning, in closed systems using the injection flood process, or for vapor degreasing		Blend of aromatic-free hydrocarbons with a narrow boiling range; fast-drying and virtually odorless	
Beruclean ECO 	1,8	≥ 70			Removes oils, greases, carbonized oil, waxes, tar, bitumen, and paints and coatings that have not yet fully cured. Suitable for cleaning tools, workpieces, vehicles, engines, transmissions, machinery, tanks, production areas, ships (bilges), and chains. For manual application and use in mechanical or automatic cleaning systems	Universal cold cleaner with strong solvent power and excellent cleaning performance. Evaporates without leaving residue, free of MOAH. Base oil is readily biodegradable according to OECD 301 F. Virtually odorless, A7 and H1 registered, Halal and Kosher certified
Beruclean H1 Spray 	1,8	≥ 70			Removes oils, greases, waxes, resins, bitumen, tar, carbonized oil, and paints and coatings that have not yet fully cured. Cleans brake and clutch components in motor vehicles	Universal cold cleaner; aromatic-free, virtually odorless, with strong solvent power and excellent cleaning performance. Evaporates without leaving residue, free of MOAH, H1 registered, Halal, Kosher, and ISO 21469 certified

PRODUCT	pH-value 5 %	Examples of application	Processes	Description
Beruclean 5000	9,5	Cast iron, steel	Immersion, spray, and flood injection cleaning, as well as passivation (+20 °C to +70 °C for all processes)	Neutral cleaner for parts cleaning in metalworking; low-foaming, excellent soil-carrying capacity, very good corrosion protection, optimum cleaning results
BECHEM Cleaner 5134	9	Aluminum, cast iron, steel, non-ferrous metals	Spray cleaning and passivation (+45 °C to +70 °C for all processes)	Aqueous neutral cleaner; low-foaming, excellent soil-carrying capacity, very good material compatibility, good corrosion protection, optimum cleaning results, demulsifying
Beruclean 111 EHF	13	Steel and ferrous materials	Immersion, spray, and ultrasonic cleaning (+50 °C to +80 °C for all processes)	Universally applicable, highly alkaline aqueous cleaner for steel and ferrous materials
Beruclean 3849	1,5	Stainless steel, glass, ceramics	Immersion degreasing (+30 °C to +80 °C), manual cleaning, diluted in high-pressure cleaners	Liquid phosphoric acid cleaning concentrate; removes organic and inorganic deposits, cleans acid-resistant materials, antibacterial effect
BECHEM Cleaner 3860	9,4	Aluminum, cast iron, steel, non-ferrous metals	Immersion and ultrasonic degreasing (from 25 °C, depending on the contamination), as well as passivation (+20 °C to +70 °C for all processes)	Aqueous neutral cleaner; low-foaming, excellent soil-carrying capacity, very good material compatibility, good corrosion protection, optimum cleaning results, demulsifying
Beruclean 3050	10,2	Aluminum, concrete, iron, glass, plastic surfaces, steel, tiles	Use in high-pressure and steam-jet equipment, scrubber dryers, and manual cleaning	Alkaline universal and all-purpose cleaner for industrial contamination; neutral toward paints, rubber seals, plastics, textiles, and aluminum. Highly economical due to very low consumption, low-foaming

Cleaner



The foundation for
perfect protection

LUBRICATION SOLUTIONS FOR INDUSTRY

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