



DELIVERY PROGRAMME
CLEANING, DETERGENTS AND
CARE PRODUCTS

BCD CHEMIE IN BRIEF



Our services

For decades, BCD Chemie has focused on the pan-European marketing and distribution of industrial and specialty chemicals and is one of the leading suppliers in this segment. As a link between the manufacturers of high-quality chemical raw materials and users from many industries, we deliver B2B sales solutions for a wide range of sectors and applications. Profound market knowledge, competent product and application advice as well as comprehensive expertise in chemical-technical and market-analytical contexts form the basis of our philosophy of modern chemical distribution.

We supply surfactants and additives for the manufacture of cleaning agents, detergents and surface care products that enable developers to formulate high-quality and innovative products that meet the growing demands of the market.

SURFACTANTS AND SURFACE ADDITIVES

Product	Product description
Non-ionic surfactants	Fatty alcohol ethoxylates Fatty alcohol alkoxylates Fatty acid ethoxylates EO/PO blockcopolymers Sugar surfactants
Anionic surfactants	Alkylbenzene sulfonates, sodium salt Alkylsulfonate, sodium salt Alkylether sulfate, sodium salt Cumol sulfonate, sodium and potassium salt
Amphoteric surfactants	Betaines
Silicone polyether	Effective wetting agent to reduce the surface tension to improve the wetting of aqueous systems
Trisiloxane	Highly effective wetting agent for reducing the surface tension of aqueous systems. Can partially replace fluoro surfactants
Acetylenediols	Surfactant with defoaming effect

WAXES**WAXES**

Product	Product description
Polyethylene wax dispersions	Wax dispersion for floor polish, good mechanical resistance of the surface, including abrasion resistance and scratch resistance
Polypropylene wax dispersions	Wax dispersion for floor care, increases the slip resistance of the surface
Sunflower wax dispersion	Natural wax with hydrophobic and olephobic properties especially for leather care
Carnauba wax dispersion	Natural wax for water-based care products and polishes for painted and unpainted surfaces and plastics. Can be polished by hand or with a polishing machine
Bees wax dispersion	Natural wax for water-based care products and polishes. Due to the relatively low melting point of the wax, it can be polished well by hand
Rice wax dispersion	Natural wax for water-based care products and polishes for painted and unpainted surfaces and plastics. Can be polished by hand as well as with a polishing machine
Montanester wax dispersion	For water-based care products and polishes. Improves surface smoothness and increases scratch resistance
Silicone wax	Wax, based on a modified PDMS, easy to polish up for high gloss, good resistance and water repellence (beading effect)

DISINFECTANT

Product	Product description
WBC DES hand disinfection	With ethanol and skin care, hygienic hand disinfection effective after only 30 seconds
Ethanol 80	With 80 wt% ethanol, versatile in use, for hands and surfaces
Isopropanol 70	Acts rapidly against bacteria, yeasts, as well as murine norovirus and rota, influenza, vaccinia and adeno viruses. It is classified as limited virucidal PLUS according to the criteria of the RKI. The dosing quantity depends on the impurity and the demand of the system. Heavily contaminated systems must be cleaned before treatment
Sodium hypochlorite biocide 1	Water-based with sodium hypochlorite, ready to use, particularly suitable when disinfecting large surfaces and/or alcohol is not an option
Peraclean	Peracetic acid, highly effective disinfectant with a wide range of applications, characterised by excellent bactericidal, fungicidal, virucidal and sporicidal efficacy, suitable for disinfection of various surfaces
Wapo 35	Stabilised hydrogen peroxide (35%), suitable for surfaces also in the food and veterinary sectors; also as a protective agent for cooling systems
Wapo 50	Stabilised hydrogen peroxide (50%), suitable for surfaces also in the food and veterinary sectors; also as a protective agent for cooling systems
Clorius2	Chlorine dioxide is a versatile disinfectant that can be used for various applications in the food and beverage industry. It provides excellent microbial control in feed, food and beverage processing as well as packaging and filling operations (PT 4). In addition, Clorius2 can be used to disinfect materials and surfaces associated with the housing or transport of animals (PT 3)

All disinfectants are registered. Private labelling is possible for some disinfectants under BCD approval.

BIOCIDES

Biocidal active substances from sources listed according to article 95:

- Ethanol
- Isopropanol (2-Propanol)
- 1-Propanol
- Hydrogen peroxide
- Peracetic acid
- Formic acid
- Lactic acid
- Sodium hypochlorite
- Chlorine dioxide (Clorius 2)
- Sodium chlorite

ANTISLIP

Product	Product description
Polypropylene wax dispersions	Wax dispersion for floor care, increases the slip resistance of the surface

DIRT REPELLENT

Product	Product description
Polyethylene wax dispersions	Wax dispersion for reducing dirt absorption for use in self-gloss emulsions, mop waxes and emulsion cleaners

HYDROPHOBING

Product	Product description
Silanes	Good for hydrophobing mineral and metallic surfaces
Silicone oils	Silicone oils, as a pure oil or as an aqueous emulsion, improve the water-repellent properties as a component of, for example, car polishes
Amino-functional PMDS	In addition to the positive properties of the silicone oils, amino-functional PMDS also have good adhesion to, for example, aluminium and chromium, thus improving resistance. Available as a 100% system or as an aqueous emulsion
Silicone resins	Silicone resin, as a soild resin, dissolved, or as an aqueous emulsion results in the surface being highly water repellent (beading effect), among others in car polishes
Sunflower wax dispersion	Natural wax with hydrophobic and olephobic properties especially for leather care
Carnauba wax dispersion	Natural wax for water-based care products and polishes for painted and unpainted surfaces and plastics. Can be polished by hand or with a polishing machine
Bees wax dispersion	Natural wax for water-based care products and polishes. Due to the relatively low melting point of the wax, it can be polished well by hand
Rice wax dispersion	Natural wax for water-based care products and polishes for painted and unpainted surfaces and plastics. Can be polished by hand as well as with a polishing machine

MATTING

Product	Product description
Polyethylene wax dispersions	Aqueous wax dispersion based on a modified HDPE
Silica dispersions	Aqueous silica dispersion with matting properties and improved scratch resistance
Biobased polyester	Biodegradable powder polyester based on renewable raw materials (>97% bio-based carbon, ASTM D6866-20) available in different particle sizes

OLEOPHOBIC TREATMENT

Product	Product description
Sunflower wax dispersion	Hydrophobic and oleophobic wax dispersion especially for leather care

POLISHING, GLOSS

Product	Product description
Silicone oils	Silicone oils, as a pure oil or as an aqueous emulsion, improve the gloss of the surface as a component of, for example, car polishes
Functionalised PDMS	In addition to the positive properties of the silicone oils, functionalised PDMS (Amino, Aryl, ...) also have good adhesion to, for example, aluminium and chromium, thus improving resistance. Also used in fabric care. Available as a 100% system or as an aqueous emulsion
Silicone wax	Wax, based on a modified PDMS, easy to polish up for high gloss, good resistance and water repellence (beading effect)
Sunflower wax dispersion	Natural wax especially giving high gloss for leather care with hydrophobic and oleophobic properties
Carnauba wax dispersion	Natural wax for water-based care products and polishes for painted and unpainted surfaces and plastics. Can be polished by hand or with a polishing machine
Bees wax dispersion	Natural wax for water-based care products and polishes. Due to the relatively low melting point of the wax, it can be polished well by hand
Rice wax dispersion	Natural wax for water-based care products and polishes for painted and unpainted surfaces and plastics. Can be polished by hand as well as with a polishing machine
Montanester wax dispersion	For water-based care products and polishes. Improves surface smoothness and increases scratch resistance

SHOE SOLE RESISTANCE

Product	Product description
Polyethylene wax dispersions	Wax dispersion for reducing black heel marking for use in self-gloss emulsions, mop waxes and emulsion cleaners



ADHESION PROMOTER

Product	Product description
Silanes	Silanes improve adhesion especially on mineral and metallic substrates

ANTI-SETTLING

Product	Product description
Layered silicates	Layered silicates for aqueous systems produce strong shear reducing flow behaviour (pseudoplastic or thixotropic). The high viscosity at rest means the settling of solids is prevented

ANTISTATIC AGENT

Product	Product description
Layered silicates	Higher concentrations of layered silicates give a floor coating antistatic properties

COMPLEXING AGENTS

Product	Product description
Sodium gluconate	Complexing Ca and Mg ions, removes calcification
Potassium gluconate	Complexing Ca and Mg ions, removes calcification
Trisodium citrate	Phosphate substitute, e.g. in dishwasher tablets, available as anhydrate and dihydrate
EDTA, ethylenediamine tetraacetic acid	Classic complexing agent to complex metal ions in aqueous systems
MGDA, methylglycinediacetic acid	In addition to its good metal ion complexing properties, MGDA stands out for its good biodegradability
GLDA, Glutamic acid N,N-diacetic acid tetrasodium salt	Biodegradable powder polyester based on renewable raw materials (>97% bio-based carbon, ASTM D6866-20) available in different particle sizes. available in different particle sizes

SOLVENTS

BCD Chemie offers all the major solvents used, from standard solvents to special solvents.

These include among others:

- Aromatics
- Alcohols
- Glycol ethers
- Aliphatics
- Esters
- Amines
- White spirits
- Ketones

ACIDS AND ALKALIS

For acids and alkalis, BCD Chemie also offers a comprehensive product range with all important acids and alkalis in various concentrations and purities:

Formic acid, acetic acid, lactic acid, citric acid, gluconic acid, tartaric acid, malic acid, fumaric acid, sulfamic acid, hydrochloric acid, etc.
NaOH prills, NaOH solutions, KOH, amines, etc.

SALTS AND SOLIDS

Salts of most acids and alkalis available, including special salts, such as citric acid, lactic acid, gluconic acid, etc.

PIGMENTS

Titanium dioxide and titanium dioxide slurries, white pigment with high opacity and whiteness. Available in rutile and anatase form

DEFOAMERS

Product	Product description
Silicone defoamers	Very effective defoamers as a 100% system, which are partially self-dispersing, and as an aqueous emulsion
Polymer defoamer	Special defoamer for different systems, partly based on renewable raw materials
Mineral oil defoamer	Classic low-cost defoamer
Powdered defoamer	Defoamers for powders fixed on inorganic carriers, which are released when the powder is dissolved in water

DISPERSANTS

Product	Product description
Polymers with pigment affinic groups	Various polymers with functional groups that interact with the solids to be dispersed, resulting in effective dispersion and stabilisation
Solutions of polyacrylic acid or salts thereof	Classical dispersant for dispersing inorganic fillers or pigments

RHEOLOGY ADDITIVES

Product	Product description
Acrylate thickeners	Thickener based on an acrylate polymer for aqueous slightly alkaline pH systems
Cellulose ethers (MHEC, MHPC, MC)	Rheology additive for aqueous systems with shear-thinning flow behaviour
Modified starch	Thickener made from renewable raw materials
Modified polyurea	Liquid thickener for aqueous systems over a wide pH range as well as for solvent-based systems of different polarity
Polyurethane thickeners	Polymer thickener with Newtonian to pseudoplastic flow behaviour
Fumed silica	Rheology additive for solvent-based and aqueous systems. Pseudoplastic to thixotropic flow behaviour
Layered silicates	Rheology additives for aqueous and solvent-based polar and non-polar systems. Layered silicates result in a very shear-thinning flow behaviour. Depending on the concentration, a yield point can be set, which is perfect for vertical surface cleaners. The viscosity of layered silicates is not very temperature dependent
Xanthan gum	Polysaccharide produced by fermentation with good stability in acidic systems. Low temperature dependence of viscosity

BLENDSERV



Services include chemical raw material mixtures, intermediates and “ready to use” mixtures

Plant concepts

- “solid - liquid” dispersions (slurry) and solutions
- “liquid - liquid” emulsions and solutions:

Technical data

Agitator volumes:	pilot plant 500 kg up to the production of 24 t batches
Agitator equipment:	dissolver disc, jetstream mixer, dispermix, Conti TDS Inline disperser
Thermodynamics:	cooling/heating 15-90 degrees Celsius
Engine power:	18 to 90 kW
Viscosity:	up to 10,000 mPa·s

BCD Chemie GmbH**Headquarter**

Schellerdamm 16 · 21079 Hamburg

Phone: +49 40 77173 0 · Fax: +49 40 77173 2640

info@bcd-chemie.de

www.bcd-chemie.de

**Regional Office Hamburg**

Hannoversche Straße 40 · 21079 Hamburg

Phone: +49 40 77173 0 · Fax: +49 40 77173 2641

Hamburg@bcd-chemie.de

Regional Office Frankfurt

Carl-Benz-Straße 4 - 6 · 60314 Frankfurt am Main

Phone: +49 69 40101 0 · Fax: +49 69 425994

Frankfurt@bcd-chemie.de

Regional Office Hildesheim

Am Flugplatz 15 · 31137 Hildesheim

Phone: +49 5121 99865 0 · Fax: +49 5121 99865 22

Hildesheim@bcd-chemie.de

Regional Office Leipzig

Kohlgartenstraße 15 · 04315 Leipzig

Phone: +49 341 659700 0 · Fax: +49 341 659700 30

Leipzig@bcd-chemie.de

Regional Office Friedrichsthal

Am Güterbahnhof 12 · 66299 Friedrichsthal

Phone: +49 6897 8565 0 · Fax: +49 6897 8565 35

Friedrichsthal@bcd-chemie.de

Regional Office Cologne

Emil-Hoffmann-Straße 1 a · 50996 Köln

Phone: +49 2236 8889 0 · Fax: +49 2236 8889 140

Koeln@bcd-chemie.de

Regional Office Munich

Rupert-Bodner-Straße 20 · 81245 München

Phone: +49 89 86481 400 · Fax: +49 89 86481 222

Muenchen@bcd-chemie.de