

# Calvatis GmbH



**Dairy**  
catalogue 2015



SIMPLY**GOOD**CHEMISTRY

# Your partner for...



## ...innovative hygiene management

Calvatis GmbH is one of the major independent manufacturers of detergents and disinfectants for industrial applications. We offer a wide range of customised hygiene concepts for the food, dairy, beverage and agriculture market.

Based on a huge fund of expertise, plenty of experience and future-oriented dedication to industrial cleaning processes Calvatis GmbH is successfully acting in the global market since more than 75 years.

The main application areas are

- ✓ hygiene advice and hygiene management
- ✓ beverage industry
- ✓ food industry
- ✓ milk processing industry
- ✓ agriculture
- ✓ equipment and plant engineering
- ✓ water treatment
- ✓ contract manufacturing

An advanced product assortment comprehending more than 1.000 items categorised in a well defined brand portfolio enables Calvatis GmbH to provide integrated hygiene concepts in any areas.

Most activities in terms of product research and development are concentrated in our headquarters located in Ladenburg what allows Calvatis GmbH a concerted approach on this issue in close co-operation with our domestic as well as international partners.

Based on sophisticated product lines and a comprehensive service portfolio Calvatis GmbH can offer a constantly high quality level and the very best cost-value ratio.

Continuous improvement processes which are subject to a strict monitoring system and the strong will to break new ground open exciting possibilities of international co-operations featuring synergetic effects in any respect.

As a contract partner of various equipment manufacturers Calvatis GmbH takes care from the very beginning of the supply-chain that all marketed devices, installations and technical systems comply with the highest standards in terms of design, practicability, quality and cost-efficiency.

Our focus on the service sector coming along with an according mentality is another distinctive feature compared to competing market actors.

A high quality and environmental consciousness belong to our self-evident business objectives permitting Calvatis GmbH to meet all requirements in a permanently changing market the best and fastest way possibly.

# Contents



	Site
<b>CIP-Cleaning</b>	4
<b>Buttermaking machine</b>	7
<b>Disinfection</b>	8
<b>Bottle washing machines</b>	
Lye	10
Water zone	11
Disinfection	12
headroom disinfection	13
<b>Conveyor belts</b>	14
<b>Surface cleaning</b>	15
<b>UHT-Plant</b>	19
<b>Water-treatment</b>	20
<b>Membrane plant</b>	22
<b>Pick-up cars</b>	23
<b>Cheese mould</b>	25
<b>Filling systems</b>	26
<b>Crate washing</b>	27
<b>Colour concept</b>	28
<b>Certification</b>	29
<b>Contact</b>	30

## Alkaline cleaner

Product	Description	
<b>calgonit R flüssig</b>	Concentrated caustic detergent. The product doesn't foam, is easy to dose by conductivity and is suitable for circulation and spray cleaning of tanks, pasteurisers, pipe work, brew kettles, whirlpools and centrifuges as well as for crate washing in the food, milk and beverage industry. calgonit R flüssig can be used cold as well as hot.	Canister 30 kg Barrel 280 kg
<b>calgonit R flüssig spezial</b>	High caustic liquid detergent suitable for the food and beverage industry as well as the milk industry. It is stabilized for high water hardness and can easily be dosed by conductivity. Even if it is applied for spray cleaning the product doesn't foam. For enhancing cleaning performance calgonit R flüssig spezial can be combined with Hypochlorite. calgonit R flüssig spezial is suitable for cleaning of brew vessels, whirlpools, pasteurizers, tanks, containers, pipe work, centrifuges and crate washing.	Canister 28 kg Barrel 290 kg
<b>calgonit RT spezial</b>	Highly concentrated caustic detergent with defoamer. The product is especially suitable for hot circulation and spray cleaning of tanks, pasteurisers, pipe work, containers, brew kettles, whirlpools, centrifuges and bottles of Polycarbonate (PC) or Polyethyleneterephthalate (PET). calgonit RT spezial does not foam when applied above 40°C and is easily dosed by conductivity.	Canister 30 kg Barrel 290 kg
<b>calgonit BR-F</b>	Slightly foaming special alkaline detergent free of chlorine for butter making machines. Due to its special composition calgonit BR-F has a very good wetting ability together with a high power for removing fat and proteins. Sticking of butter is perfectly inhibited.	IBC 720 kg
<b>calgonit CN 353</b>	Liquid, alkaline detergent concentrate with active chlorine for use in the food and beverage industry. calgonit CN 353 does not foam and is suitable for soak, circulation and spray cleaning of tanks, pipes, mixing, storage and transport vessels as well as for cleaning of buttermaking machines and smoke sticks made of aluminium. calgonit CN 353 contains an effective inhibitor preventing the attack on aluminium, copper and brass.	Canister 24 kg Barrel 260 kg

## Acidic cleaner

Product	Description	
<b>calgonit jalu sauer plus</b>	Liquid, strongly acidic detergent based on nitric acid for use in the food, milk and beverage industry. calgonit jalu sauer plus is a powerful descalant and has good wetting, cleaning and emulsifying properties due to special surfactants. Special inhibitors in the product prevent formation of nitrous gas and reduce corrosion attack on plastic gaskets. calgonit jalu sauer plus can be used cold and hot and is easily dosed by conductivity. The product is low foaming when used by spray and is easily rinsed off.	Canister 29 kg
		Barrel 265 kg
<b>calgonit SMO</b>	Liquid, acidic single phase detergent based on organic acids and specific surfactants. The product does not contain phosphates or nitrates, is low foaming and can be dosed by means of conductivity. calgonit SMO shows an excellent cleaning effect on organic and inorganic soils , is re-useable and helps to ensure perfect hygienic conditions. calgonit SMO is especially suitable for automatic cleaning milk collecting vessels and raw milk tanks as well as for cheese mould cleaning.	Barrel 230 kg
<b>calgonit SN 542</b>	Strongly acidic detergent for application in the food and beverage industry. The product has excellent wetting abilities and is able to solve fat, protein as well as inorganic deposits. calgonit SN 542 is suitable for CIP cleaning of containers, tanks , pipe work and for spray application in crate washing machines. It is also suitable for manual cleaning of surfaces made of stainless steel. calgonit SN 542 is low foaming above 30°C, reusable and easily rinsed off.	Canister 26 kg
		Barrel 240 kg

## Additive

### Product

### Description

<b>calgonit LZ flüssig</b>	Specialized additive developed for the milk industry to enhance the cleaning effect of caustic solutions and prevent disturbing foam. calgonit LZ flüssig can be used for automatic cleaning of tanks, containers and pipes as well as for bottling. calgonit LZ flüssig can be premixed with concentrated caustic in a storage tank according to the wanted ratio, can be used for all water conditions and effectively suppresses foam when used hot.	Canister 21 kg Barrel 210 kg
<b>calgonit LA flüssig</b>	Additiv based on special chelates and scale control agents. The product is miscible with concentrated caustic lye and can be used to improve cleaning and as scale preventive. calgonit LA flüssig is suitable for alkaline CIP-cleaning of tanks, pipes and kegs and is used in bottle washing as well.	Canister 24 kg Barrel 230 kg
<b>calgonit LAO</b>	Special additive based on active oxygen designed to be used in combination with caustic and acidic cleaning solutions. calgonit LAO is suitable for alkaline cleaning of heavily soiled cookers, whirlpools, heat exchangers and pipework encountered in food processing and beverage industry. calgonit LAO effectively stabilizes water hardness and suppresses disturbing foam. calgonit LAO also improves the detergency of acidic products, especially of nitric acid.	

# Buttermaking machine



## Alkaline cleaner

Product	Description	
<b>calgonit 6010</b>	Concentrated, alkaline, liquid product with active chlorine. The product does not foam and is suitable for circulation and spray cleaning of tanks, pipes, containers and crates in the beverage, dairy and food industry. calgonit 6010 removes organic deposits like protein, fats, starch, milk- and beverage residues. The product can be dosed by conductivity and is easily rinsed off leaving the cleaned surfaces in excellent hygienic conditions.	Canister 24 kg Barrel 240 kg
<b>calgonit 6120</b>	Foaming, alkaline all-purpose detergent with active chlorine designed for use in the food industry. calgonit 6120 shows excellent wetting properties, efficient fat solving combined with good material compatibility. In addition, the presence of chlorine assists removal of tenacious soils leaving treated surfaces in an optimal hygienic condition. Due to its special combination calgonit 6120 is particularly suitable for circulation cleaning of butter making machines. It can also be used for manual application or immersion cleaning.	Barrel 250 kg

## Disinfection

Product	Description	
<b>calgonit sterizid forte 15*</b>	Liquid, acidic disinfectant based on hydrogen peroxide and peracetic acid. It effectively kills bacteria, yeasts and fungi even at low temperatures. calgonit sterizid forte 15 does not foam and is suitable for disinfection tasks in the food industry. The product is suitable for general surface disinfection, for automatic sanitation of tanks, containers, pipes and equipment as well as for use in water stages of bottle washing machines.	Canister 5 kg
		Canister 10 kg
		Canister 30 kg
		Barrel 220 kg
<b>calgonit sporex*</b>	Liquid, slightly alkaline disinfectant with high content of active chlorine to be applied in the food and beverage industry. calgonit sporex is suitable for disinfection of surfaces, tanks, containers, pipe work and hoses, for use in crate washers and warm water stages of bottle washing machines as well as for treatment of cutting boards.	Canister 24 kg
		Barrel 240 kg
<b>calgonit sporexalin*</b>	Liquid, oxidizing disinfectant based on hydrogen peroxide. The product does not foam and can be used cold and hot. calgonit sporexalin is suitable for many applications of immersion-, circulation- or spray disinfection of equipment, tanks, containers, pipework and utensils in the food-, milk- and beverage industry.	Canister 25 kg
		Barrel 200 kg
<b>calgonit DS 622*</b>	Liquid alcoholic disinfectant especially for treating surfaces where hydrous solutions cannot be applied. calgonit DS 622 excels by fast killing of unwanted germs and is suitable especially for the (break) disinfection e.g. of cutting and packing machines as well as in the filling area.	Canister 5,2 kg
		Canister 17 kg
		Barrel 170 kg
<b>calgonit DS 629*</b>	Liquid acidic foam disinfectant based on peracetic acid and hydrogen peroxide for use in the food and beverage industry. calgonit DS 629 forms a stable foam and is suitable for large-area disinfection of pre-cleaned equipment, machinery, walls and floors.	Canister 24 kg
		Barrel 200 kg

\*Biozidprodukte vorsichtig verwenden. Vor Gebrauch stets Kennzeichnung und Produktinformation lesen.

## Disinfection

Product	Description	
<b>calgonit DS 685*</b>	Surface active, mildly alkaline disinfectant based on microbiocidal alkylamines. The product has a broad spectrum of activity against gram positive and gram negative bacteria, yeasts and fungi. calgonit DS 685 is scarcely affected in its activity by protein, is good fat solving, nearly odourless and non corrosive.	Canister 20 kg
		Barrel 210 kg
<b>calgonit DS 690*</b>	Highly effective sanitizer concentrate based on biocidal alkylamine salts combined with amphoteric surfactants. The product has a broad spectrum of activity against gram positive and gram negative bacteria, yeasts and fungi. calgonit DS 690 is scarcely affected in its activity by protein, is good fat solving, nearly odourless and non corrosive. calgonit DS 690 is generally suitable for wipe, spray and foam disinfection of work surfaces, equipment, filling machines, walls and floors in the food and beverage industry.	Canister 20 kg
<b>calgonit CD-L</b>	Standardised solution of sodium chlorite to produce chlorine dioxide for water treatment and disinfection in rinse sections of bottle washing machines.	Canister 25 kg
		Barrel 200 kg
<b>calgonit CD-S</b>	Standardised solution of hydrochloric acid to produce chlorine dioxide for water treatment and disinfection in rinse sections of bottle washing machines.	Canister 25 kg
		Barrel 210 kg

## Alkaline foam cleaner

Product	Description	
<b>calgonit CF 314</b>	Concentrated, alkaline foam cleaner with active chlorine. It is suitable for cleaning of machines, appliances, containers, tiled walls and floors encountered in the processed food and beverage industries. calgonit CF 314 builds up a long clinging foam and has excellent cleaning properties. It effectively removes protein and fat as well as any other persistent, organic deposits.	Canister 24 kg
		Barrel 230 kg

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# Bottle washing machines

## Lye



### Additive

#### Product

#### Description

**calgonit  
Schaumbremse  
Konz./SB**

Highly effective combination of surfactants for foam control of alkaline cleaning solutions in the milk-, beverage- and brewing industry. calgonit Schaumbremse Konz./SB is used in automatic bottle wash and alkaline CIP cleaning applications and is effective above 40°C.

Canister 20 kg

Barrel 200 kg

**calgonit GL extra**

Liquid, phosphate and nitrate free cleaning additive for highly alkaline cleaning solutions. The product is suitable as lye additive for CIP cleaning and particularly for automatic bottle washing in the milk and beverage industry. calgonit GL extra controls water hardness, increases bottle shine and effectively prevents disturbing foam in low concentrations when used hot.

Canister 24 kg

Barrel 210 kg

**calgonit LA flüssig**

Additiv based on special chelates and scale control agents. The product is miscible with concentrated caustic lye and can be used to improve cleaning and as scale preventive. calgonit LA flüssig is suitable for alkaline CIP-cleaning of tanks, pipes and kegs and is used in bottle washing as well.

Canister 24 kg

Barrel 230 kg



# Bottle washing machines

## Water zone



### Acidic cleaner

Product	Description	
<b>calgonit A</b>	Phosphoric acid based detergent for the preferred use in the food and beverage industry. The product shows good wetting and removes fat, protein and inorganic deposits like water scale. calgonit A is used for CIP cleaning of containers, tanks and pipe work as well as for spray application in crate washers. Manual use for cleaning of stainless steel surfaces is possible. calgonit A is low foaming above 30°C, reusable and easily rinsed off.	Canister 30 kg Barrel 280 kg

### Additive

Product	Description	
<b>calgonit AD 817</b>	Additive for alkaline cleaning processes to prevent hard water scale formation which can cause nozzle blockage. The product is stable against oxidizing agents and therefore especially suitable when used in combination with chlorine dioxide and peracetic based disinfectants. calgonit AD 817 is effective even in hard water and suitable for PET. In pasteurizers calgonit AD 817 prevents hardness deposits and protects cans from blackening.	Canister 24 kg Barrel 220 kg
<b>calgonit WST neu</b>	calgonit WST neu is a very efficient and economical additive for scale inhibition in rinse water sections of bottle washing machines. calgonit WST neu is suitable for hard water, high temperatures and high pH-values. Due to the stabilizing of water hardness no corrosion at high pH is observed on ordinary steel of the machines.	Canister 24 kg Barrel 260 kg

# Bottle washing machines

## Disinfection



### Disinfection

Product	Description	
<b>calgonit sterizid forte 15*</b>	Liquid, acidic disinfectant based on hydrogen peroxide and peracetic acid. It effectively kills bacteria, yeasts and fungi even at low temperatures. calgonit sterizid forte 15 does not foam and is suitable for disinfection tasks in the food industry. The product is suitable for general surface disinfection, for automatic sanitation of tanks, containers, pipes and equipment as well as for use in water stages of bottle washing machines.	Canister 5 kg
		Canister 10 kg
		Canister 30 kg
		Barrel 220 kg
<b>calgonit sporex*</b>	Liquid, slightly alkaline disinfectant with high content of active chlorine to be applied in the food and beverage industry. calgonit sporex is suitable for disinfection of surfaces, tanks, containers, pipe work and hoses, for use in crate washers and warm water stages of bottle washing machines as well as for treatment of cutting boards.	Canister 24 kg
		Barrel 240 kg
<b>calgonit CD-L*</b>	Standardised solution of sodium chlorite to produce chlorine dioxide for water treatment and disinfection in rinse sections of bottle washing machines.	Canister 25 kg
		Barrel 200 kg
<b>calgonit CD-S*</b>	Standardised solution of hydrochloric acid to produce chlorine dioxide for water treatment and disinfection in rinse sections of bottle washing machines.	Canister 25 kg
		Barrel 280 kg

\*Biozidprodukte vorsichtig verwenden. Vor Gebrauch stets Kennzeichnung und Produktinformation lesen.

# Bottle washing machines

## headroom disinfection



### Disinfection

Product	Description	
<b>calgonit sporexalin*</b>	Liquid, oxidizing disinfectant based on hydrogen peroxide. The product does not foam and can be used cold and hot. calgonit sporexalin is suitable for many applications of immersion-, circulation- or spray disinfection of equipment, tanks, containers, pipework and utensils in the food-, milk- and beverage industry.	Canister 25 kg Barrel 200 kg
<b>calgonit DS 685*</b>	Surface active, mildly alkaline disinfectant based on microbiocidal alkylamines. The product has a broad spectrum of activity against gram positive and gram negative bacteria, yeasts and fungi. calgonit DS 685 is scarcely affected in its activity by protein, is good fat solving, nearly odourless and non corrosive. calgonit DS 685 is generally suitable for wipe, soak and spray disinfection of work surfaces, equipment, filling machines, walls and floors in the food and beverage industry. calgonit DS 685 can be used for sole disinfection in basins of hygiene stations.	Canister 20 kg Barrel 210 kg

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## Conveyor belt lubricant

Product	Description	
<b>calgonit LU 5702</b>	Silicone based lubricant for the application on stainless steel or plastic belt conveyor systems for use in the food industry. The product is especially designed for the transport of carton packages and plastic containers (e.g. PET, PC).	Canister 20 kg Barrel 200 kg
<b>calgonit Bandfit EE</b>	Concentrated chelate free product designed to lubricate transport chains for glass and plastic bottles (PET, PC), cans, boxes and cardboard products. calgonit Bandfit EE provides excellent lubricity and can be used with water of any hardness without formation of deposits. calgonit Bandfit EE is low foaming thus avoiding wrong measurements on control devices for bottles.	Canister 22 kg Barrel 200 kg



## Alkaline foam cleaner

Product	Description	
<b>calgonit AF 108</b>	Mildly alkaline general purpose cleaner designed for use in the food industry. The product is suitable for manual, foam or soak applications and effectively removes fat, oil and protein deposits. calgonit AF 108 contains organic chelates to bind water hardness and is non corrosive against most materials. Due to its special composition the product is easily rinsed off and does not form white deposits often found with silicated detergents.	Canister 11 kg
		Canister 22 kg
		Barrel 200 kg
<b>calgonit CF 312*</b>	Concentrated liquid alkaline foam detergent-sanitizer with active chlorine. It is free of silicate and can be used in all areas of the food and beverage industry to remove organic soil contaminants from all kinds of surfaces. calgonit CF 312 is hard water tolerant, builds up a stable foam, can easily be rinsed off and provides excellent hygienic conditions. calgonit CF 312 effectively removes protein and fat as well as any other persistent, organic deposits and is used for the cleaning of machines, containers, tiled walls and floors.	Canister 24 kg
		Barrel 235 kg
<b>calgonit CF 314*</b>	Concentrated, alkaline foam cleaner with active chlorine. It is suitable for cleaning of machines, appliances, containers, tiled walls and floors encountered in the processed food and beverage industries. calgonit CF 314 builds up a long clinging foam and has excellent cleaning properties. It effectively removes protein and fat as well as any other persistent, organic deposits.	Canister 24 kg
		Barrel 230 kg
<b>calgonit CF 315*</b>	Liquid alkaline foam detergent with active chlorine designed for use in the food and beverage industry. The product is suitable for all degrees of water hardness and contains a special inhibitor allowing the use on aluminium and galvanized steel. calgonit CF 315 removes effectively fat and protein as well as any other persistent, organic deposits. It leaves the cleaned surfaces in excellent hygienic condition. calgonit CF 315 is normally applied for foam cleaning of machinery, tanks, tiled walls and floors. The product gives a stable foam and is easily rinsed off. For basic cleaning of heavily soiled parts or containers calgonit CF 315 could be used for immersion cleaning.	Canister 24 kg
		Barrel 230 kg

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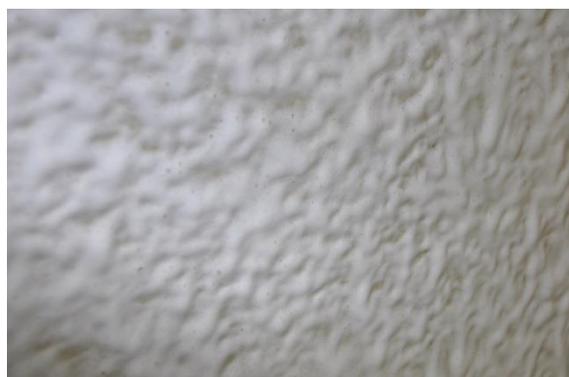
## Alkaline foam cleaner

Product	Description	
<b>calgonit NF 400</b>	Optimised, liquid foam detergent with high caustic content designed for use in the food industry. The product develops a stable foam with good cling and rapid soil penetration. calgonit NF 400 is suitable to remove especially stubborn and carbonised soils like tar, burned grease, starch and protein and therefore is preferably used for smoke house cleaning.	Canister 24 kg Barrel 260 kg
<b>calgonit NF 406</b>	Liquid alkaline foam detergent with excellent cleaning performance designed for use in the food and beverage industry. The product generates a stable foam and is especially suitable to remove fat, oil, protein and other organic soils. calgonit NF 406 is applied for cleaning of machinery, tanks, tiled walls and floors, controls water hardness and is easily rinsed off.	Canister 24 kg Barrel 220 kg
<b>calgonit NF 422</b>	Highly active alkaline foam cleaner for difficult cleaning tasks in the food- and beverage industry. The product forms a stable, long clinging foam and is suitable for cleaning of machinery, conveyors, filling plants, walls and floors. calgonit NF 422 is particularly useful where fat, oil and protein soiling is encountered.	Canister 24 kg Barrel 235 kg
<b>calgonit AF 106</b>	Mildly alkaline general purpose cleaner designed for use in the food industry. The product is suitable for manual or foam applications and effectively removes fat, oil and protein deposits. calgonit AF 106 is non corrosive, forms a stable foam and is easily rinsed off.	Canister 22 kg



## Acidic foam cleaner

Product	Description	
<b>calgonit SF 504</b>	Ideal multi purpose, strong acidic foam cleaner for the food and beverage industry. An optimized combination of powerful surfactants with mineral acids and emulsifying agents makes the product very effective for the removal of tenacious deposits of protein, grease and hard water scale. calgonit SF 504 is easy to remove from surfaces and leaves a shiny surface after rinsing.	Canister 24 kg Barrel 240 kg
<b>calgonit SF 506</b>	Ideal multi purpose, acidic cleaner based on phosphoric acid for use in the food and beverage industry. calgonit SF 506 can be used for manual, foam or soak applications. An optimized combination of powerful surfactants with acids makes the product very effective for removal of tenacious soils like rust. The special inhibitors in calgonit SF 506 essentially reduce attack when used on aluminium and galvanized Steel.	Canister 24 kg Barrel 220 kg
<b>calgonit SF 522</b>	calgonit SF 522 is an acid, phosphate-free foam cleaner designed for use in the food and beverage industry. Due to a special surfactant composition, the product produces a very stable, long cling foam and removes even tenacious soils like lime scale, rust and protein as well as residual alkalinity. calgonit SF 522 produces hygienic clean and sparkling surfaces.	Canister 12 kg Canister 24 kg Barrel 220 kg
<b>calgonit SF 5501</b>	Phosphorus free, low corrosive, acidic cleaner used for removal of lime scale residues of alkalinity and light organic soiling. calgonit SF 5501 produces a stable foam and is suitable for cleaning of machinery, work surfaces, containers, tiled floors and walls encountered in the food-, milk- and beverage industry. calgonit SF 5501 is normally applied as foam, but can also be used manually.	Canister 22 kg Barrel 200 kg



## Additive

Product	Description	
<b>calgonit LPR</b>	Moderate foaming, mildly alkaline product, for the cleaning of alkali compatible surfaces in the food-, dairy- and beverage industry. calgonit LPR is suitable for manual use and further more works excellently in spray- as well as high-pressure systems to clean milk tankers and canvas covers of trucks. Foamizing is possible with proper equipment. calgonit LPR can also be used as floor cleaner either manually or by machine to remove heaviest dirt deposits.	Canister 11 kg
		Canister 24 kg
		Barrel 200 kg
<b>calgonit HDN</b>	Mildly alkaline, foaming, liquid product effectively removing heavy fat, oil and resinified soilings. It is compatible with most materials normally used and primarily designed for cleaning motor vehicles, engines, engine parts and awnings. calgonit HDN is also used for cleaning of surfaces in the food and beverage industry.	Canister 10,1 kg
		Canister 21 kg
		Barrel 220 kg
<b>calgonit AR</b>	Neutral , phosphate free, highly concentrated all purpose cleaner for the milk and food industry. The product does not contain perfumes, is high foaming and compatible with all materials normally used. calgonit AR has excellent fat solving capability and is suitable for manual cleaning of floors, tiles, walls and devices made of metal, wood or plastics.	Canister 20 kg
		Barrel 200 kg

## Alkaline cleaner

Product	Description	
<b>calgonit R flüssig</b>	Concentrated caustic detergent. The product doesn't foam, is easy to dose by conductivity and is suitable for circulation and spray cleaning of tanks, pasteurisers, pipe work, brew kettles, whirlpools and centrifuges as well as for crate washing in the food, milk and beverage industry. calgonit R flüssig can be used cold as well as hot. For enhancing cleaning performance calgonit R flüssig can be combined with Hypochlorite (calgonit AD 860).	Canister 30 kg
		Barrel 280 kg
<b>calgonit R flüssig spezial</b>	High caustic liquid detergent suitable for the food and beverage industry as well as the milk industry. It is stabilized for high water hardness and can easily be dosed by conductivity. Even if it is applied for spray cleaning the product doesn't foam. For enhancing cleaning performance calgonit R flüssig spezial can be combined with Hypochlorite. calgonit R flüssig spezial is suitable for cleaning of brew vessels, whirlpools, pasteurizers, tanks, containers, pipe work, centrifuges and crate washing.	Canister 28 kg
		Barrel 290 kg
<b>calgonit RT spezial</b>	Highly concentrated caustic detergent with defoamer. The product is especially suitable for hot circulation and spray cleaning of tanks, pasteurisers, pipe work, containers, brew kettles, whirlpools, centrifuges and bottles of Polycarbonate(PC) or Polyethyleneterephthalate (PET). calgonit RT spezial does not foam when applied above 40°C and is easily dosed by conductivity.	Canister 30 kg
		Barrel 280 kg

## Additive

Product	Description	
<b>calgonit LZ flüssig</b>	Specialized additive developed for the milk industry to enhance the cleaning effect of caustic solutions and prevent disturbing foam. calgonit LZ flüssig can be used for automatic cleaning of tanks, containers and pipes as well as for bottling washing. calgonit LZ flüssig can be premixed with concentrated caustic in a storage tank according to the wanted ratio, can be used for all water conditions and effectively suppresses foam when used hot.	Canister 21 kg
		Barrel 210 kg

## Disinfection

Product	Description	
<b>calgonit sterilid forte 15*</b>	Liquid, acidic disinfectant based on hydrogen peroxide and peracetic acid. It effectively kills bacteria, yeasts and fungi even at low temperatures. calgonit sterilid forte 15 does not foam and is suitable for disinfection tasks in the food industry. The product is suitable for general surface disinfection, for automatic sanitation of tanks, containers, pipes and equipment as well as for use in water stages of bottle washing machines.	Canister 5 kg
		Canister 10 kg
		Canister 30 kg
		Barrel 220 kg
<b>calgonit sporex*</b>	Liquid, slightly alkaline disinfectant with high content of active chlorine to be applied in the food and beverage industry. calgonit sporex is suitable for disinfection of surfaces, tanks, containers, pipe work and hoses, for use in crate washers and warm water stages of bottle washing machines as well as for treatment of cutting boards.	Canister 24 kg
		Barrel 240 kg
<b>calgonit sporexalin*</b>	Liquid, oxidizing disinfectant based on hydrogen peroxide. The product does not foam and can be used cold and hot. calgonit sporexalin is suitable for many applications of immersion-, circulation- or spray disinfection of equipment, tanks, containers, pipework and utensils in the food-, milk- and beverage industry.	Canister 25 kg
		Barrel 200 kg
<b>calgonit CD-L*</b>	Standardised solution of sodium chlorite to produce chlorine dioxide for water treatment and disinfection in rinse sections of bottle washing machines.	Canister 25 kg
		Barrel 200 kg
<b>calgonit CD-S*</b>	Standardised solution of hydrochloric acid to produce chlorine dioxide for water treatment and disinfection in rinse sections of bottle washing machines.	Canister 25 kg
		Barrel 200 kg

\*Biozidprodukte vorsichtig verwenden. Vor Gebrauch stets Kennzeichnung und Produktinformation lesen.

## Additive

Product	Description	
<b>calgonit AD 817</b>	Additiv in alkalischen Reinigungsprozessen zur Verhinderung von Härteablagerungen und Vermeidung von Düsenverstopfungen eingesetzt. Das Produkt ist stabil gegen oxidierend wirkende Desinfektionsmittel und eignet sich deshalb bevorzugt für den Einsatz in Verbindung mit Chlordioxid und Peressigsäure. calgonit AD 817 ist auch bei hohen Wasserhärten wirksam und geeignet für PET.	Canister 24 kg Barrel 220 kg

## Special products

Product	Description	
<b>calgonit 7120*</b>	Broad spectrum biocide which is effective in a wide range of pH. It can be used to control the growth of bacteria, fungi and algae in water systems, autoclaves and pasteurisers. calgonit 7120 prevents the formation of biofilms and it has good penetration properties. Existing biofilms are destroyed. calgonit 7120 is biodegradable.	Canister 30 kg Barrel 200 kg
<b>calgonit 7130*</b>	Highly effective combined product for treatment of water cycles and pasteurisers. It is based on hard water stabilizers and a broad spectrum biocide and does not contain aldehydes, surfactants or chlorine donors. calgonit 7130 prevents the formation of biofilms and water scale.	Canister 22 kg

## Special products

Product	Description	
<b>calgonit MC 942</b>	Buffered mildly alkaline cleaning agent for reverse osmosis, micro - and ultra filtration equipment. The product contains organic sequestrants. calgonit MC 942 is a highly concentrated product and is recommended to use in combination with calgonit MC 970 to maximize the cleaning performance.	Canister 30 kg Barrel 260 kg
<b>calgonit MC 943</b>	Moderate alkaline cleaning agent for micro- and ultra filtration equipment. The product contains chelating agents and surface active ingredients. calgonit MC 943 is a high concentrated product with an excellent cleaning performance.	Canister 27 kg Barrel 230 kg
<b>calgonit MC 970</b>	Very special formulated cleaning agent with a high content of proteolytic enzymes. It is suitable for cleaning of reverse osmosis-, ultra and micro filtration equipment normally together with a slightly alkaline product like calgonit MC 942.	Canister 10,1 kg
<b>calgonit MC 946</b>	Caustic, liquid detergent with a high content of organic chelates and cleaning active surfactants. The product has been developed especially for cleaning of high pH-resistant membranes in micro- and ultrafiltration plants. calgonit MC 946 removes organic and inorganic soils and has superior fat solving properties.	Barrel 270 kg
<b>calgonit MC 952</b>	Especially formulated acidic detergent based on a combination of mineral acids. The product removes water scale as well as milkstone and is suitable for cleaning reverse osmosis and ultrafiltration equipment.	Barrel 250 kg
<b>calgonit MC 953</b>	Liquid acidic cleaning agent for membrane filtration systems. Due to its special combination of organic acids and surfactants calgonit MC 953 removes thoroughly mineral deposits and proteins. Provided a sufficient exposure time in the installation the mildly acidic configuration and specific combination of acids preserve the membranes.	Canister 24 kg

## Alkaline cleaner

Product	Description	
<b>calgonit R flüssig</b>	Concentrated caustic detergent. The product doesn't foam, is easy to dose by conductivity and is suitable for circulation and spray cleaning of tanks, pasteurisers, pipe work, brew kettles, whirlpools and centrifuges as well as for crate washing in the food, milk and beverage industry. calgonit R flüssig can be used cold as well as hot.	Canister 30 kg Barrel 280 kg
<b>calgonit R flüssig spezial</b>	High caustic liquid detergent suitable for the food and beverage industry as well as the milk industry. It is stabilized for high water hardness and can easily be dosed by conductivity. Even if it is applied for spray cleaning the product doesn't foam. For enhancing cleaning performance calgonit R flüssig spezial can be combined with Hypochlorite. calgonit R flüssig spezial is suitable for cleaning of brew vessels, whirlpools, pasteurizers, tanks, containers, pipe work, centrifuges and crate washing.	Canister 28 kg Barrel 290 kg
<b>calgonit RT spezial</b>	calgonit RT spezial is a highly concentrated caustic detergent with defoamer. The product is especially suitable for hot circulation and spray cleaning of tanks, pasteurisers, pipe work, containers, brew kettles, whirlpools, centrifuges and bottles of Polycarbonate (PC) or Polyethyleneterephthalate (PET). calgonit RT spezial does not foam when applied above 40°C and is easily dosed by conductivity.	Canister 30 kg Barrel 280 kg

## Acidic cleaner

Product	Description	
<b>calgonit jalu sauer plus</b>	Liquid, strongly acidic detergent based on nitric acid for use in the food, milk and beverage industry. calgonit jalu sauer plus is a powerful descalant and has good wetting, cleaning and emulsifying properties due to special surfactants. Special inhibitors in the product prevent formation of nitrous gas and reduce corrosion attack on plastic gaskets. calgonit jalu sauer plus can be used cold and hot and is easily dosed by conductivity. The product is low foaming when used by spray and is easily rinsed off.	Canister 29 kg Barrel 265 kg
<b>calgonit SMO</b>	Liquid, acidic single phase detergent based on organic acids and specific surfactants. The product does not contain phosphates or nitrates, is low foaming and can be dosed by means of conductivity. calgonit SMO shows an excellent cleaning effect on organic and inorganic soils, is re-useable and helps to ensure perfect hygienic conditions. calgonit SMO is especially suitable for automatic cleaning milk collecting vessels and raw milk tanks as well as for cheese mould cleaning.	Barrel 230 kg



# Cheese mould

## Acidic cleaner

Product	Description	
<b>calgonit jalu sauer plus</b>	Liquid, strongly acidic detergent based on nitric acid for use in the food, milk and beverage industry. calgonit jalu sauer plus is a powerful descalant and has good wetting, cleaning and emulsifying properties due to special surfactants. Special inhibitors in the product prevent formation of nitrous gas and reduce corrosion attack on plastic gaskets. calgonit jalu sauer plus can be used cold and hot and is easily dosed by conductivity. The product is low foaming when used by spray and is easily rinsed off.	Canister 29 kg Barrel 265 kg
<b>calgonit SMO</b>	Liquid, acidic single phase detergent based on organic acids and specific surfactants. The product does not contain phosphates or nitrates, is low foaming and can be dosed by means of conductivity. calgonit SMO shows an excellent cleaning effect on organic and inorganic soils, is re-useable and helps to ensure perfect hygienic conditions. calgonit SMO is especially suitable for automatic cleaning milk collecting vessels and raw milk tanks as well as for cheese mould cleaning.	Barrel 230 kg
<b>calgonit SN 542</b>	Strongly acidic detergent for application in the food and beverage industry. The product has excellent wetting abilities and is able to solve fat, protein as well as inorganic deposits. calgonit SN 542 is suitable for CIP cleaning of containers, tanks, pipe work and for spray application in crate washing machines. It is also suitable for manual cleaning of surfaces made of stainless steel. calgonit SN 542 is low foaming above 30°C, reusable and easily rinsed off. <sup>3</sup>	Canister 26 kg Barrel 240 kg



## Alkaline foam cleaner

Product	Description	
<b>calgonit AF 108</b>	Mildly alkaline general purpose cleaner designed for use in the food industry. The product is suitable for manual, foam or soak applications and effectively removes fat, oil and protein deposits. calgonit AF 108 contains organic chelates to bind water hardness and is non corrosive against most materials. Due to its special composition the product is easily rinsed off and does not form white deposits often found with silicated detergents.	Canister 11 kg
		Canister 22 kg
		Barrel 200 kg
<b>calgonit AF 106</b>	Mildly alkaline general purpose cleaner designed for use in the food industry. The product is suitable for manual or foam applications and effectively removes fat, oil and protein deposits. calgonit AF 106 is non corrosive, forms a stable foam and is easily rinsed off.	Canister 22 kg

## Special products

Product	Description	
<b>calgonit AN 190</b>	Liquid, mildly alkaline detergent specifically developed for cleaning of filling and packing machines. The product can be used manually or for spray cleaning at temperatures above 40°C. calgonit AN 190 is non corrosive and low foaming. The product is based on biodegradable chelates and contains surfactants with excellent fat solving and wetting properties.	Canister 23 kg
		Barrel 200 kg

# Crate washing



## Alkaline cleaner

Product	Description	
<b>calgonit RT spezial</b>	Highly concentrated caustic detergent with defoamer. The product is especially suitable for hot circulation and spray cleaning of tanks, pasteurisers, pipe work, containers, brew kettles, whirlpools, centrifuges and bottles of Polycarbonate (PC) or Polyethylneterephtalate (PET). calgonit RT spezial does not foam when applied above 40°C and is easily dosed by conductivity.	Canister 30 kg Barrel 290 kg

## Special products

Product	Description	
<b>calgonit AN 195</b>	Specifically been developed for the cleaning of plastic surfaces in the food and beverage industry. calgonit AN 195 is especially suitable for the automatic cleaning of plastic crates and is not foaming when used at temperatures above 40°C. calgonit AN 195 accelerates drainage, gives surfaces an long-term antistatic effect and reduces re-soiling. calgonit AN 195 may be combined with other alkaline detergents for spray application and can be used for manual cleaning of plastic surfaces. calgonit AN 195 can be added to the rinse water of plastic crate washing processes to intensify the antistatic effect, provided there is no direct food contact.	Canister 22 kg Barrel 210 kg

# Colour concept



## Colour coding



alkaline  
chlorinated  
disinfection  
acidic  
neutral

## Example



When using the products that apply to the handling chemicals must be observed! Hazard warnings and safety advice please refer to the corresponding safety data sheets !

Before using a cleaning - and disinfectant the compatibility is concerned over the material to be examined!

# Certification



**ZERTIFIKAT**

Hiermit wird bescheinigt, dass die

**Calvatis GmbH**  
 Dr.-Albert-Reimann-Straße 16a  
 68526 Ladenburg  
 Deutschland  
 mit den im Anhang gelisteten Standorten

ein **Qualitäts- und Umweltmanagementsystem** eingeführt hat und anwendet.

**Geltungsbereich:**  
 Entwicklung, Herstellung und Vertrieb von Reinigungs- und Desinfektionsmitteln für den industriellen Bereich, die Landwirtschaft sowie für das Calgonit Hygienekonzept einschließlich HACCP

Durch ein Audit, dokumentiert in einem Bericht, wurde der Nachweis erbracht, dass das Managementsystem die Forderungen der folgenden Regelwerke erfüllt:

**ISO 9001 : 2008**  
**ISO 14001 : 2004 + Cor 1 : 2009**

Zertifikat-Registrier-Nr. 001575 QM08 UM  
 Zertifizierungsdatum 2012-10-29  
 Gültig bis 2015-10-28

**DQS GmbH**  
 Michael Drechsel  
 Geschäftsführer

Akkreditierte Stelle: DQS GmbH, August-Schanz-Straße 21, 60433 Frankfurt am Main

**Anhang zum Zertifikat**  
 Registrier-Nr. 001575 QM08 UM

**Calvatis GmbH**  
 Dr.-Albert-Reimann-Straße 16a  
 68526 Ladenburg  
 Deutschland

Standort	Geltungsbereich
391797 Calvatis GmbH Kaiser-Josef-Platz 41 4600 Weis Österreich	Vertrieb von Reinigungs- und Desinfektionsmitteln für den industriellen Bereich, die Landwirtschaft sowie für das Calgonit Hygienekonzept einschließlich HACCP
506588 Calvatis GmbH Neu Amerika 4 6900 Bregenz Österreich	Vertrieb von Reinigungs- und Desinfektionsmitteln für den industriellen Bereich, die Landwirtschaft sowie für das Calgonit Hygienekonzept einschließlich HACCP

Dieser Anhang (Stand: 2012-10-29) ist nur gültig in Verbindung mit dem oben genannten Zertifikat.

**IQNet**  
 THE INTERNATIONAL CERTIFICATION NETWORK  
**CERTIFICATE**

IQNet and DQS GmbH Deutsche Gesellschaft zur Zertifizierung von Managementsystemen hereby certify that the company

**Calvatis GmbH**  
 Dr.-Albert-Reimann-Straße 16a  
 68526 Ladenburg  
 Germany

with the organizational units/sites as listed in the annex has implemented and maintains a **Quality and Environmental Management System**

Scope  
 Development, production and sales of cleaners and disinfectants for the industrial sector, agriculture as well as Calgonit Hygienekonzept (Calgonit hygiene concept) including HACCP

Through an audit, documented in a report, it was verified that the management system fulfills the requirements of the following standards:

**ISO 9001 : 2008**  
**ISO 14001 : 2004 + Cor 1 : 2009**

Date of certification 2012-10-29  
 Valid until 2015-10-28  
 Registration Number: DE-001575 QM08 UM

Michael Drechsel  
 Managing Director of DQS GmbH  
 President of IQNet

**Fachbetrieb nach § 19 I WHG**

Hiermit wird bestätigt, dass die Firma **Calvatis GmbH**, Dr. Albert-Reimann-Straße 68526 Ladenburg

für nachstehende Tätigkeiten überprüft wurde und einen Überwachungsvertrag abgeschlossen hat.

Anlagen zum	Stoffbezogene Anlagenart		Heizöl-Verbrauchsanlagen (Typ 1)		Anlagen mit hoch-, leicht- und entzündl. Flüssigkeiten (Typ 2)		Anlagen mit and. wasser- gefährdenden Flüssigkeiten (Typ 3)	
	I	II	I 1	I 2	I 2	I 3	I 3	
I. Lagern, Abfüllen, Umschlagen	-	-	-	-	-	-	X	
II. Herstellen, Behandeln, Verwenden	-	-	-	-	-	-	X	
<b>Tätigkeiten</b>								
Einbauen	-	-	-	-	-	-	X	
Aufstellen	-	-	-	-	-	-	X	
Instandhalten, Instandsetzen	-	-	-	-	-	-	X	
Reinigen	-	-	-	-	-	-	X	

**Weitere Angaben zur Tätigkeit:**  
 Einbauen, Aufstellen, Instandhalten u. Instandsetzen von Behältern u. Apparaten einricht., Befüll- u. Entleerleistungen, Aufhül-Umschlagleistungen, Überfüllleistungen, andere Sicherheitsleistungen sowie Rohrleitungen aus Stahl oder Kunststoff, Reinigen von Behältern, Apparaten, Rohrleitungen aus Stahl oder Kunststoff u. Armaturen.

Mannheim, 30.05.2005  
**TUV Industrie Service GmbH**  
 TÜV SÜD Gruppe  
 Technische Überwachungsorganisation nach § 22 VwVSt

Der Leiter  
 Dr. Bernd Haesner

gültig bis 30.05.2008  
 Anlage zum Überwachungsvertrag Nr. 970327/01

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Stand: Juli 2015