

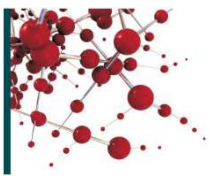


DETERGENCY
Homecare
Industrial & Institutional



PRODUCT LIST





ACIDS AND ALKALIS

Acids

Ascorbic acid
BD OLEO TPKFA: Topped palm kernel fatty acid
BD OLEO AC/18VO: Oleic acid (olive based)
Citric acid 1-H
Citric acid anhydrous
Citric acid 50%, and other dilutions
Formic acid 85%, 38%
Glacial acetic acid, 80% and other dilutions
Hydrochloric acid 35%, 32% and other dilutions
Hydrochloric acid 33% colorless, and dilutions

Lactic acid 80%
Nitric acid 65%, 60% and other dilutions
Oxalic acid 2-H
Paratoluenesulfonic acid, 65%
Phosphoric acid 85%, 80%, 75% (thermal process)
Sodium bisulfate
Sorbic acid
Sulfamic acid
Sulfuric acid 98%, 70% and other dilutions
Sulfuric acid HQ 98%, 70%, 30%

Alkalis

Ammonia 25%, 12%, 8%
Caustic potash 50% and other dilutions
Caustic potash, flakes
Caustic soda 50%, 30% and other dilutions
Caustic soda flakes
Caustic soda mini-pearls
Caustic soda additivated
GODAKARB: Sodium sesquicarbonate
Monoethanolamine, 100%
Monoethanolamine, aqueous solution
Potassium bicarbonate
Potassium carbonate

Sodium acetate
Sodium bicarbonate
Sodium carbonate 1-H₂O and 10-H₂O
Sodium carbonate anhydrous, dense and light
Sodium metasilicate 5-H
Sodium silicate 2,4 (alkaline)
Tetrapotassium pyrophosphate 50%
Tetrapotassium pyrophosphate, granular and powder
Tetrasodium pyrophosphate, granular and powder
Triethanolamine, 99% and 85%
Triethanolamine, aqueous solution
Trisodium phosphate 12-H
Trisodium phosphate anhydrous

OXIDIZING AGENTS

Oxidizing agents based on Active Oxygen

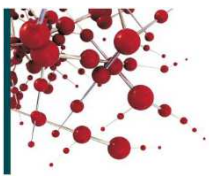
Peracetic acid 15% and 5%
Hydrogen peroxide 50%, 35%, 30%, 8%

Sodium percarbonate, coated
TAED blue, white, green (SPC activator)

Oxidizing agents based on Active Chlorine

BD HIPOWAT LG13: Sodium hypochlorite (130 gCl₂/L)
BD HIPOWAT LG: Sodium hypochlorite (150 gCl₂/L)

BD HIPOWAT HG: Sodium hypochlorite (175 gCl₂/L)
BD HIPOWAT LG5: Sodium hypochlorite (other dilutions)



SEQUESTERING AGENTS, DISPERSANTS, ANTI-REDEPOSITION AGENTS

Phosphoric Acid and Phosphates

Phosphoric acid 85%, 80%, 75% (thermal process)
Sodium Hexametaphosphate
Sodium tripolyphosphate LD, granular
Sodium tripolyphosphate HD, powder
Sodium tripolyphosphate high solubility

Tetrapotassium pyrophosphate 50%
Tetrapotassium pyrophosphate, granular and powder
Tetrasodium pyrophosphate, granular and powder
Trisodium phosphate 12-H
Trisodium phosphate anhydrous

Citric acid and citrates

Citric acid 1-H
Citric acid, Anhydrous

Citric acid 50% and other dilutions
Trisodium citrate 2-H

Carbonates

GODAKARB: Sodium sesquicarbonate
Sodium bicarbonate

Sodium carbonate anhydrous, dense and light

Silicates

Potassium silicate
Sodium disilicate, granulated
Sodium metasilicate 5-H
Sodium metasilicate, Anhydrous

Sodium silicate 2,4 (alkaline)
Sodium silicate 3,35 (super neutral)
Zeolite type 4A

Classic chelating agents

EDTA 2-H, tetrasodium salt
EDTA 4-H, tetrasodium salt

Sodium gluconate
NTA trisodium salt

New generation of chelating agents

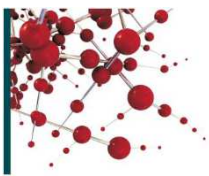
BARQUEST GLDA 47% and 38%: Tetrasodium salt of glutamic acid, N, N-diacetic acid
BARQUEST IDS 34%: Tetrasodium salt of iminodisuccinic acid, 34%
BARQUEST MGDA 40%: Trisodic salt of methylglycine diacetic acid, 40%

Primary Phosphonates

BARQUEST ATMP 50%: Aminotris (methylene phosphonic), acid
BARQUEST DTPMPS (NA-7) 25%: Diethylenetriaminepenta (methylene phosphonic), heptasodium salt
BARQUEST HEDP 60%: 1-Hydroxyethylidene-1,1-diphosphonic acid
BARQUEST PBTCA 50%: Phosphobutan-tricarboxylic acid

Modified Phosphonates

BARQUEST CL: Stabilizer for formulations based on sodium hypochlorite
BARQUEST OXI: Stabilizer for formulations based on hydrogen peroxide
*** Other types of phosphonates available, upon request*



Dispersing agents and crystal inhibitors

DISPOLAC AM/70: Maleic acrylic copolymer, sodium salt, 40% (MW: 70,000)

DISPOLAC PA/4: Acrylic homopolymer, sodium salt, 45% (MW: 4,000)

DISPOLAC PA/6: Acrylic homopolymer, sodium salt, 45% (MW: 6,000)

DISPOLAC PA/8: Acrylic homopolymer, sodium salt, 45% (MW: 8,000)

Anti-redeposition agents

Carboxymethylcellulose (CMC)

BARTENSID 168/250 P: Alcohol C/16-18 ethoxylated with 25-EO

BARQUEST PASP 40%: Sodium salt of polyaspartic acid, 40%

SOLVENTS AND HYDROTROPES

Alcohols

Benzyl alcohol

Isopropyl alcohol (IPA), deodorized

Glycols

Butyldiglycol

Monopropylene glycol

Butylglycol

Monopropylene glycol, USP

Diethyleneglycol

Polyethyleneglycol 200, 300, 400

Monoethyleneglycol

Triols

Glycerin

Solvents for industrial cleaning and "dry cleaning"

Acetone

Perchloroethylene

D-Limonene

Turpentine

Methanol

Universal solvent

Methyl Acetate 80%

White spirit

*** Customized solvent formulations*

*** Resquest for information about our new line of ecological solvents*

Hidrotropes

BARTENSID H-SCS/40-G: Sodium cumensulfonate, 40%

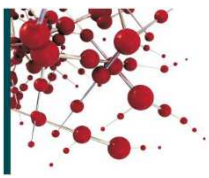
Urea technical, pearls

BARTENSID H-SXS/40-G: Sodium xylenesulfonate, 40%

Urea technical, solution

BARTENSID 2EHS 40%: 2-Ethylhexyl sodium sulfate, 40%

BARTENSID AP/2EH: 2-Ethylhexyl fosphoric acid ester (acid hydrotrope)



FUNCTIONAL ADDITIVES

Optical brighteners

Optical brightener CBS-X: Optical brightener, distearyl biphenyl sulphonated type

Optical brightener DMS-X: Optical brightener, triazole stilbene sulphonated type

*** Other types of optical brighteners available, upon request*

Glass corrosion inhibitors

Zinc chloride

Zinc sulphate 1·H₂O or 7·H₂O

Rheology modifiers

Carboxymethylcellulose (CMC)

Sodium chloride, saturated salt solution

Calcium chloride 2-H, flakes

Sodium chloride, fine dry vacuum salt

Calcium chloride anhydrous, pearls

Xanthan gum, 80 mesh

Calcium chloride solution

Xanthan gum, 200 mesh

Magnesium chloride 6-H

BD VISCO ANL: Polymeric thickener for anionic detergents

BD VISCO CSL: Polymeric thickener for cationic softeners

BARTENSID OAM/30: Myristic amine oxide, 30%. Thickener for oxidizing media

BARTENSID OFAM/020: Oleyl amine ethoxylated with 2·EO. Thickener for acid media

Abrasives

Aluminum oxide

Precipitated silica

Calcium carbonate

Talcum powder

ADDITIVES FOR THE OPTIMIZATION OF DETERGENTS ASPECT

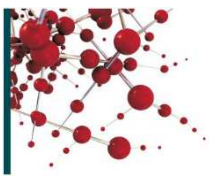
Opacifying and Pearling agents

BD BLEND PEARL-33: Pearling agent based on surfactants mixture

BD OPACIF/40-1: Opacifying agent based on acrylic monomers & styrenic polymer, 40%

Color additives

Color additives available, based on dispersed pigments liquid dyes



■ ENZYMES AND ENZYME STABILIZERS

Enzymes

ENZY-BD ALS/B2: Enzyme preparation based on α -amylase

ENZY-BD CTS: Enzyme preparation based on catalase

ENZY-BD MNS/B2: enzyme preparation based on b-1,4-mannanase

ENZY-BD PTS/B2: enzyme preparation based on protease

*** Other available enzymes and enzyme preparations*

Enzyme stabilizers

BD PRESERZIM: MEA-Borate

Calcium chloride 2-H, flakes

Calcium chloride anhydrous, pearls

Calcium chloride solution

Monopropyleneglycol

Sodium formate, 40% solution

Sodium formate, powder

Sodium hyposulfite

Trisodium citrate 2-H

■ FILLERS AND SALTS

Fillers and Anti-Caking

Calcium carbonate

Silica, precipitated

Sodium sulfate anhydrous, granular

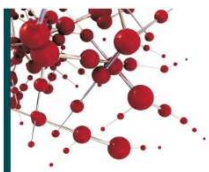
Sodium sulfate anhydrous, powder

Sodium sulfate, colored

Salts for dishwashing machines

DEPURSAL 3-5: Granulated salt

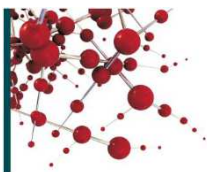
Vacuum salt, tablets



NON IONIC SURFACTANTS

> Ethoxylated fatty alcohols

Ethoxylated short chain alcohols	Solubilizers and wetting agents (hard surfaces, ...)
BARTENSID 91/026	Alc. C/09-11 02,6·EO
BARTENSID 91/050	Alc. C/09-11 05·EO
BARTENSID 91/060	Alc. C/09-11 06·EO
BARTENSID 91/060 90%	Alc. C/09-11 06·EO 90%
BARTENSID 91/080	Alc. C/09-11 08·EO
BARTENSID 91/080 85%	Alc. C/09-11 08·EO 85%
BARTENSID 91/100	Alc. C/09-11 10·EO
BARTENSID 10PH/050	Alc. C/10 (2-PH) 05·EO
BARTENSID 10PH/070	Alc. C/10 (2-PH) 07·EO
BARTENSID 10PH/080	Alc. C/10 (2-PH) 08·EO
BARTENSID 10PH/080 85%	Alc. C/10 (2-PH) 08·EO 85%
BARTENSID 10PH/090	Alc. C/10 (2-PH) 09·EO
BARTENSID 10PH/090 85%	Alc. C/10 (2-PH) 09·EO 85%
BARTENSID 10PH/100	Alc. C/10 (2-PH) 10·EO
BARTENSID 10PH/140	Alc. C/10 (2-PH) 14·EO
BARTENSID 10PHNR/050	Alc. C/10 (2-PH) Narrow Range 05·EO
BARTENSID 10/030	Alc. C/10-Iso 03·EO
BARTENSID 10/050	Alc. C/10-Iso 05·EO
BARTENSID 10/060	Alc. C/10-Iso 06·EO
BARTENSID 10/070	Alc. C/10-Iso 07·EO
BARTENSID 10/070 90%	Alc. C/10-Iso 07·EO 90 %
BARTENSID 10/080	Alc. C/10-Iso 08·EO
BARTENSID 11/050	Alc. C/11-Iso 05·EO
BARTENSID 11/070	Alc. C/11-Iso 07·EO
BARTENSID 11/090 85%	Alc. C/11-Iso 09·EO 85%
BARTENSID 11/110	Alc. C/11-Iso 11·EO
Ethoxylated mid cut alcohols	Detergents and solubilizers (laundry detergents, ...)
BARTENSID 124/020	Alc. C/12-14 02·EO
BARTENSID 124/030	Alc. C/12-14 03·EO
BARTENSID 124/050	Alc. C/12-14 05·EO
BARTENSID 124/070	Alc. C/12-14 07·EO
BARTENSID 124/070 90%	Alc. C/12-14 07·EO, 90%
BARTENSID 124/075	Alc. C/12-14 07,5·EO
BARTENSID 124/080	Alc. C/12-14 08·EO
BARTENSID 124/100	Alc. C/12-14 10·EO
BARTENSID 124/110 90%	Alc. C/12-14 11·EO, 90%
BARTENSID 125/030	Alc. C/12-15 03·EO
BARTENSID 125/070	Alc. C/12-15 07·EO
BARTENSID 125/070 90%	Alc. C/12-15 07·EO, 90%
BARTENSID 126/030	Alc. C/12-16 03·EO
BARTENSID 126/070	Alc. C/12-16 07·EO
BARTENSID 126/070 90%	Alc. C/12-16 07·EO 90%
BARTENSID 128/070	Alc. C/12-18 07·EO
BARTENSID 128/070 90%	Alc. C/12-18 07·EO 90%
BARTENSID 128/100	Alc. C/12-18 10·EO
BARTENSID 135/030	Alc. C/13-15 03·EO
BARTENSID 135/070	Alc. C/13-15 07·EO
BARTENSID 135/070 90%	Alc. C/13-15 07·EO 90%



Ethoxylated isotridecyl alcohols	Wetting agents, solubilizers (hard surfaces, stain removers, ...)
BARTENSID 13/030	Alc. C/13-Iso 03·EO
BARTENSID 13/050	Alc. C/13-Iso 05·EO
BARTENSID 13/060	Alc. C/13-Iso 06·EO
BARTENSID 13/070	Alc. C/13-Iso 07·EO
BARTENSID 13/080	Alc. C/13-Iso 08·EO
BARTENSID 13/080 90%	Alc. C/13-Iso 08·EO, 90%
BARTENSID 13/090	Alc. C/13-Iso 09·EO
BARTENSID 13/090 90%	Alc. C/13-Iso 09·EO, 90%
BARTENSID 13/120	Alc. C/13-Iso 12·EO

Ethoxylated cetyl stearyl alcohols	Detergents and dispersants (laundry detergents in powder)
BARTENSID 168/250 P	Alc. C/16-18 25·EO, powder

> Ethoxylated/Propoxylated compounds

Ethoxylated/Propoxylated fatty alcohols	Controlled foam (dishwashing rinse aid, ...)
BARTENSID EP/91/84	Alc. C/9-11 EO/PO
BARTENSID EP/91/64	Alc. C/9-11 EO/PO
BARTENSID EP/124/54	Alc. C/12-14 EO/PO
BARTENSID EP/125/2832	Alc. C/12-15 EO/PO

Ethylene oxide/propylene oxide copolymers	Controlled foam (dishwashing rinse aid, ...)
BARTENSID EPBC/61/1	EO/PO block copolymer, MW: 2000
BARTENSID EPBC/62/1	EO/PO block copolymer, MW: 2200

> Other ethoxylated compounds

Ethoxylated Castor oil	Solubilization reinforcements (hard surface cleaners, ...)
BARTENSID CO/350	Castor oil 35·EO
BARTENSID CO/400	Castor oil 40·EO
BARTENSID COH/400 90%	Castor oil hydrogenated 40·EO, 90%
BARTENSID COH/600 90%	Castor oil hydrogenated 60·EO, 90%

Ethoxylated fatty acids	Oil Emulsifiers
BARTENSID CFA/070	Coconut fatty acid 7·EO
BARTENSID OFA/070	Oleyl acid 7·EO

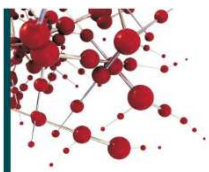
Ethoxylated oleyl fatty amines	Thickeners for acid media (toilet bowl cleaner, ...)
BARTENSID OFAM/020	Oleyl amine 02·EO

Ethoxylated tallow fatty amines	Degreaser reinforcement (hard surfaces)
BARTENSID TFAMH/110	Tallow amine hydrogenated 11·EO

Ethoxylated alkanolamides	Oil Emulsifiers
BARTENSID MEA/030	Oleyl monoethanolamide 4·EO

Ethoxylated / esterified glycerins	Detergent, solubilizer, controlled foam, good ecotoxicologic profile
BARTENSID PGC/070	PEG-7 glyceryl cocoate

Ethoxylated sorbitan esters (POLYSORBATE)	Solubilizers (aerosols, ...)
BARTENSID SMO/20	POLYSORBATE 80: Sorbitan monooleate 20·EO

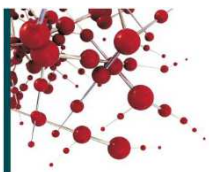


> Other non-ionic

Sorbitan esters	W/O emulsifiers (aerosols)
BARTENSID SMO	Sorbitan monooleate
Fatty acid alkanolamide	Rheology modifier, foam booster, weeting, antistatic
BARTENSID DEA/C	Coconut diethanolamide
BARTENSID MEA/C	Coconut monoethanolamide
Amine oxides	Foam boosters, thickeners in oxidizing media (bleaching products, ...)
BARTENSID OAD/30	Decyl amine oxide, 30%
BARTENSID OAL/30	Lauryl amine oxide, 30%
BARTENSID OAM/30	Miristyl amine oxide, 30%
BARTENSID OAC/32	Coconut amine oxide, 30%
BARTENSID OCAPA/30	Cocoamidopropylamine oxide, 30%
Alkyl polyglucosides	Detergents, foaming agents, stability at extreme pH, 100% renewable
BARTENSID APG/0810 65%	C8-10 APG, 70% (Capryl-Caprylyl Glucoside) (transparent)
BARTENSID APG/0810 70%	C8-10 APG, 70% (Capryl-Caprylyl Glucoside) (brown)
BARTENSID APG/0814 50%	C8-14 APG, 50% (Cocoyl Glucoside)
BARTENSID APG/0814 50% (1)	C8-14 APG, 50%
BARTENSID APG/10 50%	C8-14 APG, 50% (Decyl Glucoside)
BARTENSID APG/124	C12-14 APG, 50% (Lauryl Glucoside)

ANIONIC SURFACTANTS

Alkyl ether sulfates and Alkyl sulfates	Foaming agents, solubilizers, hydrotropes
BARTENSID LES 27%	Sodium lauryl ether sulfate, 27% (2-EO) (MIT/CIT)
BARTENSID LES 27% (1)	Sodium lauryl ether sulfate, 27% (2-EO) (alkaline pH)
BARTENSID LES 70%	Sodium lauryl ether sulfate, 70% (2-EO)
BARTENSID SLS 30% (1)	Sodium lauryl sulfate, 30% (alkaline pH)
BARTENSID SLS P	Sodium lauryl sulfate, powder and needles
BARTENSID TLS 40%	Triethanolamine lauryl sulfate, 40%
BARTENSID 2EHS 40%	Sodium 2-ethylhexyl sulfate, 40%
Alkyl benzenesulfonic acid and its salts	Detergents, foaming agents, hydrotropes
BARTENSID LABSA 96%	Lineal Dodecylbenzenesulfonic acid (LABSA), 96%
BARTENSID H-SCS/40	Sodium cumenesulfonate, 40%
BARTENSID H-SXS/40	Sodium xylenesulfonate, 40%
Alkan sulfonates	Detergents, foaming agents, emulsifiers (hand dishwasher, ...)
BARTENSID SAS/30	Sodium alkan C/14-17 sulfonate, 30%
BARTENSID SAS/40	Sodium alkan C/14-17 sulfonate, 40%
BARTENSID SAS/60	Sodium alkan C/14-17 sulfonate, 60%
Alpha-olefin sulfonates	Detergents, foaming agents, emulsifiers, low irritancy
BARTENSID AOS 38%	Sodium alpha-olefine sulfonate, 38%
BARTENSID AOS 94% N	Sodium alpha-olefine sulfonate, 94% needles
Alkyl sarcosinates	Detergents, foaming agents, low irritability, corrosion inhibitors
BARTENSID SL/SARC 30% (1)	Sodium lauroyl sarcosinate, 30% (alkaline pH)

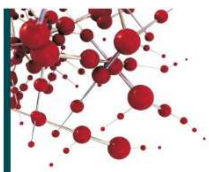


AMPHOTERIC SURFACTANTS

Alkyl amidopropylbetaines and Alkyl betaines	Foam boosters, thickeners, low irritancy
BARTENSID CAPB/30	Cocoamidopropylbetaine, 30%
BARTENSID CAPB/45	Cocoamidopropylbetaine, 45%
BARTENSID NLB/30	N-Laurylbetaine, 30%
Amphoacetates	Foam boosters, low irritancy
BARTENSID CAdAdS 50%	Disodium cocoamphodiacetate, 50%
Amphopropionates	Hydrotropes, good stability at extreme pH
BARTENSID CAdPdS 40%	Disodium cocoamphodipropionate, 40%
BARTENSID CidPS 30%	Sodium cocoiminodipropionate, 30%
BARTENSID EHidPS 40%	Sodium 2-Ethylhexyliminodipropionato, 40%

CATIONIC SURFACTANTS

Esterquats of fatty acids	Softeners, antistatic (fabric softeners, water repellents, ...)
BARTENSID QUAT/80	TEA-esterquat of tallow fatty acid, 80%
BARTENSID QUAT/90	TEA-esterquat of tallow fatty acid, 90%
BARTENSID QUAT-O/90	TEA-esterquat of oleyl fatty acid, 90%
Quaternary ammonium salts	Antistatic, low foaming, good stability at extreme pH (car cleaning)
BARTENSID CT/9121-T	Quaternary ammonium salts, 40% (butyldiglycol/agua)
BARTENSID CT/9151-T	Quaternary ammonium salts, 40% (agua)
Quaternary ammonium compounds	Antistatic agents
BARTENSID QUAT/BKC 50%	Benzalkonium chloride, 50%
BARTENSID QUAT/BKC 80%	Benzalkonium chloride, 80%
BARTENSID QUAT/CMC 25%	Cetrimonium chloride, 25%
BARTENSID QUAT/CMC 50%	Cetrimonium chloride, 50%



CUSTOMIZED SOLUTIONS

Concentrated blends

BD BLEND BCRL-SC: Concentrated blend for the formulation of liquid laundry detergent

BD BLEND BCVM / 60: Concentrated blend for the formulation of hand dishwashing liquids

*** Other concentrated blends available upon request*

Tailor made solutions

Solutions: Dilutions of solid products into water or other solvents

Mixtures: Multi-component formulations tailored to each customer need

Outsourcing: Pre-mixes tailored to customer needs

*** Solutions for both domestic and professional (I&I) fields*

AUXILIARY PRODUCTS

Products for waste water treatment in detergent companies

BD DEPURAL S: Aluminum sulphate

Sodium bisulphite 38%

BD DEPURAL 18: Aluminum polychloride

Sodium metabisulphite

DEPURCAL: Calcium hydroxide

Vacuum salt, tablets (water softening equipments)

BD GELCAL 35: Calcium hydroxide in suspension

DEPURFER 100: Ferric chloride, 40%

DEPURFER 00: Ferrous Chloride

OXITAP: Potassium permanganate, standard and "free flowing"

*** Other products for water treatments available*

Defoaming Agents

BD ANTISKUM 4132: Silicone defoamer

BD ANTISKUM 2416: Polyalkoxyesters based defoamer

BD ANTISKUM 5111: Oil based defoamer

BD ANTISKUM 2125: Fatty Alcohol based defoamer

BD ANTISKUM 4716: Non ionic surfactants and polysiloxanes based defoamer

*** Other defoaming agents available in our BD ANTISKUM range*

Absorbents

ABSORB: high efficiency absorbent

Sepiolite

Sodium bentonite

Talcum powder



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