



NOVI SAD

engineering in food industry



TENSID CHEMIE

HYGIENE CONCEPTS TECHNOLOGY

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CLEANSING AND DISINFECTING MEDIA FOR HYGIENE TREATMENT OF FOOD INDUSTRY PLANTS

BEVERAGE INDUSTRY

CONTENTS

MOST FREQUENTLY USED PRODUCTS IN BEVERAGE INDUSTRY (short preview with basic characteristics)	3
Bottle cleaning, conveyor belt lubrication, cleaning of containers, pipelines and equipment	3
Disinfection, foaming cleaning agents, water treatment	4
DESCRIPTION OF MOST FREQUENTLY USED PRODUCTS IN BEVERAGE INDUSTRY	5
WEICOPUR® - B, WEICOPUR® - AS, RIMAPLEX® - FLS, RIMAGENTS® - K	6
RIMAPLEX - H, AKTALON - FL, RIMAPLEX® - HO SPEZ, RIMAZON® - CL	7
WEICOPER® - FORTE, WEICO®LUB - 31, WEICOLUB® - 300	8
RONALIN® - HT FLÜSSIG, WEICLEAN - RD SPEZ, RIMALKAN® - AD	9
WEICOPER® - O, RIMACID® - SP, PRODESAN - S 1	10
RIMAZON® - CL, SANAL® - N, WEICOCID® - ATH	11
WEICOPER® - O, RIMADET® - SR, RIMACID® - SR	12
WEICO®GARD - T100, WEICOGARD® - T550, WEICO®GARD - T103	13
REFERENCE LIST	14

MOST FREQUENTLY USED PRODUCTS IN BEVERAGE INDUSTRY

	Product	Basis	Concentration range	
Bottle cleaning	Caustic soda additive	WEICOPUR® - B	Complexing agent	0,1 - 0,5 %
		WEICOPUR® - AS	Complexing agents, solubilizer, organic acids	0,1 - 0,5 %
		RIMAPLEX® - FLS	Phosphoric acid, complexing agent, surfactants	0,1 - 0,5 %
Anti-foaming agents	RIMAGENTS® - K	Surfactants, solubilizer	0,01 - 0,03 %	
Hardness stabilisation / pH reduction	RIMAPLEX - H	Phosphonic acid, sulfuric acid	Depends on the extent to which the alkalinity is carried over	
	AKTALON - FL	Phosphonic acids	10 - 20 g/°dH/m ³ depending on °dH and pH	
	RIMAPLEX® - HO SPEZ.	Phosphonates	15 - 20 g/m ³ and °dH	
Disinfection	RIMAZON® - CL	Sodium hypochlorite, caustic soda, stabilizers	3 - 5 ppm of active chlorine = 30 - 50 g RIMAZON® - CL /m ³	
	WEICOPER® - FORTE	Peroxy acetic acid, hydrogen peroxide, acetic acid, stabilizer	0,1 - 0,5 %	

Conveyor belt lubrication

WEICO®LUB - 31	Nonionic tensides, biocide	0,1 - 0,3 %
WEICOLUB® - 300	Alkylamine salts, tensides, organic acids	0,15 - 0,3 %

Cleaning of containers, pipelines and equipment

Alkaline detergents	RONALIN® - HT FLÜSSIG	Caustic potash, phosphate, sodium hypochlorite	1,0 - 3,0 %
	WEICLEAN - RD SPEZ.	Caustic soda, sodium hypochlorite, complexing agents	1,0 - 3,0 %
Caustic soda additives	RIMALKAN® - AD	Complexing agents, tenside solubilizer	0,5 kg/m ³ and °dH + 1-3 % NaOH
	WEICOPER® - O	Hydrogen peroxide, stabilizer	Cold: 0,3 - 3,0 % Hot: 0,1 - 1,0 %
Acid detergents	RIMACID® - SP	Phosphoric acid, nitric acid	0,5 - 1,5 %
	PRODESAN - S 1	Phosphoric acid, corrosion inhibitors	1,0 - 3,0 %

	Product	Basis	Concentration range
Disinfection			
Alkaline disinfectant agents	RIMAZON® - CL	Sodium hypochlorite, caustic soda, stabilizers	3 - 5 ppm of active chlorine = 30 - 50 g RIMAZON® - CL /m ³
Acid disinfectant agents	SANAL® - N	Phosphoric acid, anionic surfactants, organic acids, solubilizer	0,5 - 1,0 %
	WEICOCID® - ATH	Monochloroacetic acid, nitric acid	0,4 - 1,0 %
	WEICOPER® - O	Hydrogen peroxide, stabilizer	Cold: 0,3 - 3,0 % Hot: 0,1 - 1,0 %

Foaming cleaning agents

RIMADET® - SR	Tensides, sodium hypochlorite, complexing agents, sodium hydroxide	3,0 - 5,0 %
RIMACID® - SR	Phosphoric acid, surfactants	1,0 - 10 %

WATER TREATMENT

Hardness stabilisation

WEICO®GARD - T100	Polycarboxyphosphonate	0,8 - 1,0 g/m ³ per °dH of carbonate hardness of the circulation water 2,0 - 5,0 g/m ³ in continuous-flow systems
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Anti-microbe treatment

WEICOGARD® - T550	Organic, heterocyclic sulfur/nitrogen compound (Chlormethylisothiazolinon)	20 -100 g/m ³ in water circulation
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Corrosion protection – scale removing

Acid additive and corrosion inhibitor	WEICO®GARD - T103	Quaternary ammonium compounds, surfactants, defoamer	0,1-0,15 % added to the diluted descaling acid
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It takes great experience in managing production process and maintaining its hygiene to keep functionality and long operating life.

TENSID CHEMIE has invented, by decades-long experience in the field of food industry hygiene in its own laboratories, over ninety chemical products, and has developed them to perfection.

Following description of most frequently used products in industry of beverages is shown for each characteristic section of a plant. Expert persons from **AD PTI** are on your disposal for technical documentation, providing basic information and detailed explanations and help in creation of an optimal and effective hygiene treatment concept for your plant.

BOTTLE CLEANING

Caustic soda additive

WEICOPUR[®] - B

As a complexing agent, WEICOPUR[®]-B is very well-suited for the so-called problem bottles. This product is specially good for removing mold deposits, fly larvae and the like. Both burnt residues of yeast caked onto the tanks as well as gushing problems due to unclean bottles can be solved by the usage of this product. In mineral water plants, WEICOPUR[®]-B can be used to prevent the "boiling over" of bottles when the filling process is not very steady.

Area of application:

Cleaning bottles, drums and tanks

Basis:

Complexing agent

Concentration range:

0,1 – 0,5 %

WEICOPUR[®] - AS

WEICOPUR[®] - AS is improvement of our additive for caustic soda, with noticeable properties for abrasion reducing. Targeted selection of ingredients permits further segregation from strong complexing agents, and therefore provides an effective protection against soilages. Limescale is bound permanently. Product is formulated without tensid and antifoaming agents. It is necessary to add cleaning agent of RIMAGENTS type for undisturbed foam formation. Product does not contain NTA and EDTA. It is a good biodegradable product.

Area of application:

Bottle cleaning machines

Basis:

Complexing agents, solubilizer, organic acids

Concentration range:

0,1 - 0,5%

RIMAPLEX[®] - FLS

RIMAPLEX[®]-FLS effectively prevents scale formation in bottle cleaning lyes. Biodegradable surfactants enhance dirt removal, defoam the lye and give an excellent run off on the bottles.

Area of application:

Bottle washing

Basis:

Phosphoric acid, complexing agent, surfactants

Concentration range:

0,1 - 0,5 %

Anti-foaming agents

RIMAGENTS[®] - K

RIMAGENTS[®]-K is a defoamer for cold cleansing solutions with good wetting properties. The product may be used when there are foam problems in a temperature range of cold to 85° C (185° F). It is suitable for acidic and alkaline solutions.

Area of application:

Acidic and alkaline cleaning

Basis:

Surfactants, solubilizer

Concentration range:

0,01 - 0,03 %

Hardness stabilisation / pH reduction

RIMAPLEX - H

RIMAPLEX[®]-H used at a constant dosage rate ensures a virtually scale-free hot-water zone and waste water which is practically neutral, without the need to use expensive water-hardness stabilizers. In order to prevent damage caused by corrosion, the dosing method and place have to be carefully selected so that there is no overconcentration in some places, which would lead to corrosion.

Area of application:

Hot-water zone

Basis:

Phosphonic acid, sulfuric acid

Concentration range:

Depends on the extent to which the alkalinity is carried over

AKTALON - FL

AKTALON-FL contains special sequestering agents, which keep the hardness of water dissolved even at sub-stoichiometric dosage levels. (Threshold-effect). In case of a great carry-over of caustics, AKTALON-FL also effects good complexing properties, if dosed a bit more. AKTALON-FL acts anticorrosive to normal steel.

Area of application:

Bottle washing machine (cold and hot-water zone), tunnel pasteurizer, CIP stations (caustic soda additive)

Basis:

Phosphonic acids

Concentration range:

10 - 20 g/°dH/m³ depending on °dH and pH

RIMAPLEX[®] - HO SPEZ.

Even at a low concentration, RIMAPLEX[®]-HO SPEZ. ensures virtually deposit-free hot water stations. Due to its excellent stabilizing effect, this product retains the lime in the solution. Unlike many other products on the market, RIMAPLEX[®]-HO SPEZ. is not affected in any way by chlorine. The neutralization by CO₂ of the waste water should be done outside of the hot-water station since, in many cases, CO₂ has a negative effect on the conditions in the hot-water zone.

Area of application:

Hot water stations

Basis:

Phosphonates

Concentration range:

15 - 20 g/m³ and °dH

Disinfection

RIMAZON[®] - CL

Due to its well-balanced composition RIMAZON[®]-CL brings about fast and reliable reduction of bacteria, mould and yeast, even under cold conditions. For fast disinfecting operations, it is usually sufficient to use 80 - 100 ppm of active chlorine = 0,01 % of RIMAZON[®]-CL. This product is also suited to be pre-diluted in hard water. RIMAZON[®]-CL also stabilizes chlorine decomposition.

Area of application:

Hot water stations, cleaning of vessels

Basis:

Sodium hypochlorite, caustic soda, stabilizers

Concentration range:

3 - 5 ppm of active chlorine =
30 - 50 g RIMAZON[®] - CL /m³

WEICOPER[®] - FORTE

WEICOPER[®]-FORTE is an excellent disinfectant which is very effective in cold solutions. It is based on peroxyacetic acid which has an approved effect towards beer damaging microbes.

Area of application:

Disinfection of tanks, hot-water zone in bottle washing machine and disinfection in general

Basis:

Peroxy acetic acid, hydrogen peroxide, acetic acid, stabilizer

Concentration range:

0,1 - 0,5 %

CONVEYOR BELT LUBRICATION

WEICO[®]LUB - 31

WEICO[®]LUB-31 provides a perfect transport of bottles, cans, buckets, crates and other articles that are resistant to moist, by steel or plastic laminated conveyers.

Its appliance does not depend on water quality characteristics - hardness, sulphate or phosphate content. Product is not sensitive to CO₂, but it is contributing maintaining of purity and it has biocid properties.

Area of application:

Lubricant for conveyor belts

Basis:

Nonionic tenzides, biocide

Concentration range:

0,1 do 0,3 %

WEICOLUB[®] - 300

WEICOLUB[®]-300 is a conveyor belt lubricant which good self-cleaning properties. This product shows a very good lubricating power at glass as well as at PET-lines.

Area of application:

Lubricant for conveyor belts

Basis:

Alkylamine salts, surfactants, salts of organic acids

Concentration range:

0,15 - 0,3 %

CONTAINERS, PIPELINES AND EQUIPMENT CLEANING

Alkaline detergents

RONALIN[®] - HT FLÜSSIG

RONALIN[®]-HT FLÜSSIG strongly dissolves deposits of protein, fat, yeast, hop resin, vegetable pigments and tannic acids and fruits. The special composition allows its application at temperatures of 70 - 90° C, without any residues at the cleaned metal surface.

Area of application:

Cleaning of tanks, plateheaters, whirlpools, pipes

Basis:

Caustic potash, phosphate, sodium hypochlorite

Concentration range:

1,0 - 3,0 %

WEICLEAN - RD SPEZ.

WEICLEAN-RD SPEZ. is a strong, chlorine-containing cleanser which is primarily used to remove heavy soilage. For this reason the product is usually applied for thorough cleaning operations, for example, to remove hop resin from tanks, to eliminate beer scale from drums and to clean wort lines. One must make sure at all times that the product's level of alkalinity is not impaired by CO₂. If this is the case, the cleaning operation must be carried out together with sodium hydroxide solution.

Basis:

Cleaning of drums, tanks, wort lines

Area of application:

Caustic soda, sodium hypochlorite, complexing agents

Concentration range:

1,0 - 3,0 %

Caustic soda additive

RIMALKAN[®] - AD

The synergetic combination of complexing agents and surfactants in RIMALKAN[®]-AD assures an exceptional cleansing effect, even under cold conditions. This product intensifies the cleansing efficiency of the caustic soda, thus enabling it to reach even the smallest of crevices and to be effective there. At the same time it also prevents from formation of deposits stemming from hard water and, if left to act for a longer period of time, it can also dissolve organic scales and beer-stone.

Area of application:

Cleaning and disinfecting tanks

Basis:

Complexing agents, tenside solubilizer

Concentration range:

0,5 kg/m³ and °dH + 1-3 % NaOH

WEICOPER[®] - O

WEICOPER[®]-O is a liquid, slightly acidic disinfectant, based on active oxygen for hot and cold disinfecting steps. Alternatively, may be used for oxidative cleaning in combination with caustic soda, instead chlorine based products.

Cleansing intensifier WEICOPER[®]-O is added in heated and already recirculated sodium-hydroxide directly before washing. It is recommended to discard very dirty recirculated sodium-hydroxide, and to continue with recirculation afterwards.

Area of application:

Disinfecting tanks, pipelines, filters, heaters, packing machines etc.

Basis:

Hydrogen peroxide, stabilizer

Concentration range:

Cold: 0,3 - 3,0 %
Hot: 0,1 - 1,0 %

Acid detergents

RIMACID[®] - SP

RIMACID[®]-SP combines the good cleansing properties of phosphoric acid with the excellent scale-dissolving action of nitric acid; therefore it can be used as a universal acidic product for a wide range of applications.

Area of application:

Cleaning tanks and drums

Basis:

Phosphoric acid, nitric acid

Concentration range:

0,5 - 1,5 %

PRODESAN - S 1

PRODESAN[®]-S 1 is a liquid, acidic, foam-free cleaning agent which removes in short time calcifications and other inorganic and organic deposits in a fast and complete way.

It shows disinfection efficiency on high temperatures.

Area of application:

Circulating and stationary cleaning of tanks, transport cisterns and operational equipment. Limescale removing in equipment for crates cleaning (concentration 5%)

Basis:

Phosphoric acid, corrosion inhibitors

Concentration range:

1,0 - 3,0 %

DISINFECTION

Alkaline disinfectant agents

RIMAZON[®] - CL

Due to its well-balanced composition RIMAZON[®]-CL brings about fast and reliable reduction of bacteria, mould and yeast, even under cold conditions. For fast disinfecting operations, it is usually sufficient to use 80 - 100 ppm of active chlorine = 0,01 % of RIMAZON[®]-CL. This product is also suited to be pre-diluted in hard water. RIMAZON[®]-CL also stabilizes chlorine decomposition.

Area of application:

Hot water stations, cleaning of vessels

Basis:

Sodium hypochlorite, caustic soda, stabilizers

Concentration range:

3 - 5 ppm of active chlorine =
30 - 50 g RIMAZON[®] - CL /m³

Acid disinfectant agents

SANAL[®] - N

Due to their high lipophilicity anionic surfactants in acidic medium penetrate bacteria cells and denaturates the cell proteins. The efficiency is especially high with gram-positive beer-spoiling bacteria (lactobacillus and pediococcus).

Area of application:

Stationary and cyclic disinfection of fermentation-, maturation- and bright beer tanks, and pipelines

Basis:

Phosphoric acid, anionic surfactants, organic acids, solubilizer

Concentration range:

0,5 - 1,0 %

WEICOCID[®] - ATH

WEICOCID[®]-ATH ensures a secure and reliable disinfection and prevents scale deposits if applied regularly. Next to disinfection it can also be used for acid cleaning.

Area of application:

Tanks and pipelines

Basis:

Monochloroacetic acid, nitric acid

Concentration range:

0,4 - 1,0 %

WEICOPER® - O

WEICOPER®-O is a liquid, slightly acidic disinfectant, based on active oxygen for hot and cold disinfecting steps. Alternatively, may be used for oxidative cleaning in combination with caustic soda, instead chlorine based products.

Cleansing intensifier WEICOPER®-O is added in heated and already recirculated sodium-hydroxide directly before washing. It is recommended to discard very dirty recirculated sodium-hydroxide, and to continue with recirculation afterwards.

Area of application:

Disinfecting tanks, pipelines, filters, heaters, packing machines etc.

Basis:

Hydrogen peroxide, stabilizer

Concentration range:

Cold: 0,3 - 3,0 %

Hot: 0,1 - 1,0 %

FOAMING CLEANING AGENTS

RIMADET® - SR

RIMADET®-SR is one of the most effective cleansing products because of its high surfactant content in combination with sodium hypochlorite. Therefore, it is used for very dirty surfaces and where high hygiene standards are necessary. RIMADET®-SR is formulated without chlorine odour.

Area of application:

Stainless steel surfaces, tiles

Basis:

Tensides, sodium hypochlorite, complexing agents, sodium hydroxide

Concentration range:

3,0 - 5,0 %

RIMACID® - SR

By the synergistic effect of phosphoric acid and tensides, scale and organic soilage are dissolved.

Area of application:

Every kind of acid-resistant surfaces, e.g. stainless steel, ceramic surfaces, acid-resistant plastics and painted surfaces

Basis:

Phosphoric acid, surfactants

Concentration range:

1,0 - 10 %

WATER TREATMENT

Hardness stabilisation

WEICO[®]GARD - T100

WEICOGARD[®]-T100 keeps the water hardness solved while the dosing is sub-stoichiometric (i. e. lime, plaster) and disperses existing loose deposits. At higher concentration WEICOGARD[®]-T 100 produces a protection against corrosion

Area of application:

Industrial water circulations (open)

Basis:

Polycarboxyphosphonate

Concentration range:

0,8 - 1,0 g/m³ per °dH of carbonate hardness of the circulation water
2,0 - 5,0 g/m³ in continuous-flow systems

Anti-microbe treatment

WEICOGARD[®] - T550

WEICOGARD[®]-T550 inhibits the growth of micro-organisms (algae, fungi, bacteria) at an optimum pH-value of 7 and 9. The dispersing effect furthermore keeps the systems clean. WEICOGARD[®]-T550 is compatible with most anionic, kationic and non-ionic compounds.

Area of application:

Industrial water circulations (open and close)

- cold and warm water systems
- pasteurs

Basis:

Organic, heterocyclic sulfur/nitrogen compound (Chlormethylisothiazolinon)

Concentration range:

20 -100 g/m³ in water circulation

Corrosion protection – scale removing

WEICO[®]GARD - T103

WEICOGARD[®]-T103 protects base metals like iron or unalloyed steel from acid attack. Inhibition rates of > 98 % can be reached.

It is by limestone dissolving that produces CO₂, which then has to be deducted providing proper ventilation. For prevention of corrosion of equipment parts with remaining acid, the whole system after the treatment has to be in contact with alkaline solution during 30 minutes.

Area of application:

Cleaning and descaling of cold-, warm- and hot water systems like coolers, evaporators, boilers, pasteurizers or bottle washing machines

Basis:

Quaternary ammonium compounds, surfactants, defoamer

Concentration range:

0,1-0,15 % added to the diluted descaling acid

REFERENCE LIST

Breweries

AD Zaječarska pivara, Zaječar, Serbia-Montenegro
 Apatinska pivara, Apatin, Serbia-Montenegro
 Augustiner-Bräu Wagner KG, Munich, Germany
 Banjalučka pivara AD, Banja Luka, Bosnia-Herzegowina
 Bihaćka pivara, Bihać, Bosnia-Herzegowina
 Binder International Warszawa Sp.o.o, Warschau, Poland
 BIP, Beograd, Serbia-Montenegro
 Brasserie Heineken, Schiltigheim, France
 Brasseries Kronenbourg, Straßburg, France
 Brasserie Météor S.A., Hochfelden, France
 Brau Union Hungária RT. Martfü Sörgyár, Martfü, Hungary
 Brau Union Österreich AG, Linz, Austria
 Brauerei Brinkhoff GmbH, Dortmund, Germany
 Brauerei Föhrenburg GmbH & Co, Bludenz, Austria
 Brauerei Forst, Algund, Italy
 Brauerei Fritz Gutmann, Titting, Germany
 Brauerei Ganter GmbH & Co KG, Freiburg, Germany
 Brauerei Ipatowskij, Stawropol, Russia
 Brauerei Ustersbach Adolf Schmidt KG, Ustersbach, Germany
 Brauerei Witjas, Uljanowsk, Russia
 Brauhaus Schweinfurt GmbH, Schweinfurt, Germany
 Browar Amber Bielskówo Andrzej Przybyo, Kolbudy, Poland
 Browar BROK-Strzelec Kraków, Poland
 Browar Staropolski Zduska Wola, Zdunska Wola, Poland
 Edelweißbrauerei Oskar Farny, Kisslegg, Germany
 Freiburger Brauhaus AG, Freiberg, Germany
 Friesisches Brauhaus zu Jever GmbH & Co. KG, Jever, Germany
 Hartong-Malt Kft., Hernádnémeti, Hungary
 Herrnbräu GmbH & Co. KG, Ingolstadt, Germany
 Holsten-Brauerei AG, Hamburg, Germany
 ISG Russian Brewing Company, Ryazan, Russia
 Kaiserdom Privatbrauerei Bamberg Wörner GmbH & Co. KG, Bamberg, Germany
 Kimmels Riga Brewery, Riga, Latvia
 König Ludwig GmbH & Co. KG Schloßbrauerei Kaltenberg, Fürstenfeldbruck, Germany
 Krombacher Brauerei B. Schadeberg GmbH & Co., Kreuztal, Germany
 Krostitzer Brauerei GmbH, Krostitz, Germany
 Kulmbacher Brauerei AG, Kulmbach, Germany
 Livu Alus Daritava, Liepaja, Latvia
 Löwenbräu AG, Munich, Germany
 Meckatzer Löwenbräu Benedikt Weiß KG, Heimenkirch, Germany
 Neumarkter Lammsbräu Gebr. Ehrnsperger e.K., Neumarkt, Germany
 Oettinger Brauerei GmbH, Oettingen, Germany
 Pécsi Sörfözde Rt., Pécs, Hungary
 Privatbrauerei Hoepfner GmbH & Co. KG, Karlsruhe, Germany
 Privatbrauerei Strate Detmold GmbH & Co. KG, Detmold, Germany
 S.C. Bragadiru, Bragadiru, Romania
 S.C. European Beer S.A., Oradea, Romania
 S.C. Robema S.R.L., Rossori de Vede, Romania
 Spaten-Löwenbräu-Gruppe Spaten-Franziskaner-Bräu KGaA, Munich, Germany
 Staatliches Hofbräuhaus, Munich, Germany
 Steinhauser Polska Sp. z .o.o. Warka, Poland
 Sternquell-Brauerei GmbH, Plauen, Germany
 Stieglbrauerei zu Salzburg GmbH, Salzburg, Austria
 Tervetes Alus, Tervete, Latvia
 Tuzlanska pivara, Tuzla, Bosnia-Herzegowina
 Vereinigte Kärntner Brauereien AG, Villach, Austria

Mineral water, fruit juice, soft drink, wine and champagne

Apenta Asványviz és Üditőital Kft., Budapest, Hungary
Aquarius-Aqua Kft., Cegléd, Hungary
Atys Austria GmbH, Kröllendorf, Austria
Bacardi GmbH, Buxtehude, Germany
Bad Brambacher Mineralquellen GmbH & Co. Betriebs KG, Bad Brambach, Germany
Bartex Bartol s.J. Nowy Tomyl, Nowy Tomyl, Poland
Bellot, Chaource, France
Bognár Szörp Kft., Pölöske, Hungary
Brohler Mineral- und Heilbrunnen GmbH, Brohl-Lützing, Germany
Carstens-Haefelin Kellereien GmbH, Böchingen, Germany
Caves de Wissembourg, Wissembourg, France
Celtic, Niederbronn-les-Bains, France
Champagne Vranken, Reims, France
Cido Partikas Grupa, Riga, Latvia
Deutsche Sisi-Werke GmbH & Co. Betriebs KG, Eppelheim, Germany
Döhler GmbH, Darmstadt, Darmstadt, Germany
Eckes-Granini France S.N.C. Sarre-Union, France
Ecuador Bottling Company Corp., Quito, Ecuador
FMB Fontanis Mineralbrunnen GmbH, Sachsenheim-Spielberg, Germany
Fruchtsaftkellerei Zimmer GmbH, Rheinau-Helmlingen, Germany
Früwe Fruchtsaft GmbH, Sersheim, Germany
Gebietswinzergenossenschaft Rietburg, Rodt, Germany
Gebr. Bertrams GmbH & Co. KG, Wegberg-Rath-Anhoven, Germany
Griesbacher Mineral- und Heilquellen GmbH, Bad Peterstal-Griesbach, Germany
Grünwald Fruchtsaft GmbH, Stainz, Austria
Hohenloher Fruchtsäfte Schließmann KG, Schwäbisch Hall, Germany
Hungáriaobst Kft., Gutorföde, Hungary
Kaiserwasser GmbH, Forst, Italy
Kelterei Merk, Lamerdingen, Germany
Kelterei Seifermann GmbH, Ottersweier, Germany
Lauffener Weingärtnergenossenschaft, Lauffen, Germany
Mineralquellen Wüllner GmbH & Co. KG, Bielefeld, Germany
Olympos Top Kft., Nyárlőrinc, Hungary
Peterstaler Mineralquellen GmbH Betrieb Bad Rippoldsau, Bad Rippoldsau, Germany
Peterstaler Mineralquellen GmbH, Bad Peterstal, Germany
Ráthonyi Kft., Debrecen, Hungary
Rietenauer Mineralquellen Blaue Quellen Mineral- und Heilbrunnen AG, Aspach, Germany
Rudolf Wild GmbH & Co. KG, Eppelheim, Germany
S.C. European Drinks S.A., Oradea, Romania
Schlossbrunnen Wüllner GmbH, Hecklingen, Germany
Schwarzwald-Sprudel GmbH & Co. KG, Bad Peterstal-Griesbach, Germany
Siegsdorfer Petrusquelle GmbH, Siegsdorf, Germany
Sió Eckes Kft., Siófok, Hungary
Sources de Soultzmatt, Soultzmatt, France
Staatlich Mineralbrunnen AG, Bad Brückenau, Germany
Steirerobst AG, 8200 Gleisdorf, Austria
Süßmosterei Kohm, Malsch, Germany
Szobi Szörp Kft., Szob, Hungary
Szölökert, Rt. Nagyréde, Hungary
Thüringer Waldquell Mineralbrunnen GmbH, Schmalkalden, Germany
Tymbark S.A. Olsztynek, Olsztynek, Poland
UCA, Strasbourg, France
Uttinger Keltenbrunnen, Utting, Germany
Varga Pincészet Kft., Budapest, Hungary

Waldberg Fruchtsaft-Kelterei GmbH, Krefeld, Germany
Wink A Kft., Vásárosnamény, Hungary
Wink Polska Sp. z.o.o. Biaobrzegi, Bialobrzegi, Poland
Winzergenossenschaft Herxheim am Berg, Herxheim am Berg, Germany
Wolfra-Kelterei GmbH, Erding, Germany
Wüteria Schlossbrunnen GmbH & Co. KG, Gemmingen, Germany
Ybbstaler Fruchtsaft GmbH, Kröllendorf, Austria
Zbyszko Company Sp. z .o.o., Radom, Poland

Milk industry

Alpenmilch Salzburg GmbH, Salzburg, Austria
Cosinus Gamma Kft., Kunszentmiklós, Hungary
Die Käsemacher, Käseproduktions- und Vertriebs GmbH, Waidhofen a. d. Thaya, Austria
ERU Hungária Kft., Budapest, Hungary
Milk Center Kft., Budapest, Hungary
Minna Tejipari Rt., Budapest, Hungary
Obersteirische Molkerei reg. GmbH, Frischmilchbetrieb, Kapfenberg, Austria
Obersteirische Molkerei reg. GmbH, Knittelfeld, Austria
OSM Dziadowo, Dziadowo, Poland
Pinzgau Milch Produktions GmbH, Maishofen, Austria
RPK, Riga, Latvia
S.C. Biolact Bihor S.R.L., Oradea, Romania
S.C. ICPCB Balotesti, Otopeni, Romania
S.C. Marlact S.R.L., Buhusi, Romania
SANDRA LACT, Adunatii Copaceni, Romania
Sennerei Zillertal, Mayrhofen, Austria
Smiltenes Piens, Smiltene, Latvia
Soma's Trade Kft., Budapest, Hungary
Talsu Piensamens, Talsu, Latvia
Tirol Milch reg. Gen.m.b.H., Innsbruck, Austria

Food

Atys-DSF GmbH, Konstanz, Germany
Auer Kereskedelmi Kft., Budapest, Hungary
Bomadek Sp. z .o.o., Trzebiechów, Poland
EFEF Kft., Pécs, Hungary
ETO Nahrungsmittel KG, Ettlingen, Germany
Gourmet Menü-Service GmbH & Co KG, St. Pölten, Austria
Gravendale, Riga, Latvia
Harry-Brot GmbH, Schneverdingen, Germany
Kárpát-Hús Rt., Aranyosapáti, Hungary
Marathon-Food Kft., Szentendre, Hungary
Mardi Sp. z .o.o. Biskupiec, Biskupiec, Poland
Nestlé Schöllér Kft., Törökbálint, Hungary
Nordis Chodnie Polskie Sp. z .o.o., Zielona Góra, Poland
Prim As Tiefkühlprodukte GmbH, Oberhofen, Austria
Pro Ovo Eiprodukte GmbH, Biberbach, Hungary
Richard Hengstenberg GmbH & Co. KG, Esslingen, Germany
S.C. Agro Company, S.R.L., Deva, Romania
S.C. European Foods S.A., Oradea, Romania
S.C. Interoil S.A., Bukarest, Romania
S.C. Maribo Prod Carn S.R.L., Frumusani, Romania

S.C. Prod-Carn S.R.L., Calarasi, Romania
S.C. Top Food S.R.L., Slobozia, Romania
Senna Nahrungsmittel GmbH & Co KG, Wien, Austria
Société Socalvo, Scharrachbergheim, France
Stollwerk Budapest Kft., Budapest, Hungary
Südglas eG Breisach, Breisach, Germany
Südzucker AG Mannheim, Mannheim, Germany

Cans

Deko-Food Rt., Debrecen, Hungary
Kecskeméti Konzervgyár Rt. Kecskemét, Hungary
S.C. Tehnologii Alimentare S.R.L., Voluntari, Romania
Szatmári Konzervgyár Kft., Tyukod, Hungary
Univer Product Rt., Kecskemét, Hungary

Industrial cleaning

Clean Trade 2000 Kft., Debrecen, Hungary
KO & Taylor Angol-Magyar Kereskedelmi Kft., Budapest, Hungary
Société Cheveau, Ladoix-Serrigny, France

Refrigerating

Békéscsabai Hűtőipari Rt., Békéscsaba, Hungary
Fevita Székesfehérvári Hűtőipari Rt., Székesfehérvár, Hungary