

# Rivolta®

## Product Range



Special Lubricants  
Cleaners  
Corrosion protection  
Maintenance products



 bremer & leguil

# Excellent Expertise. High Quality Products.

Our customers' requirements are increasing every day. New machine designs with higher speeds, increasing loads and greater forces are also confronting the lubricants industry with even greater challenges. One of our objectives is to continuously work on the development of new and existing products to meet the more complex requirements of the challenges facing us. We can only keep up with these developments and remain successful by being able to offer exactly what our customers need.

Customer orientation has always been and remains a central pillar of our company philosophy. We advise our customers on an individually and personal basis — simply because we regard a cooperative partnership with our customers as the basis for long-term success.

From our company headquarters in Duisburg, our team of committed and technically qualified field representatives cover 40 over cities and regions in Germany. This nationwide network ensures we are always able to provide personal and local support. In addition, other staff members at our company HQ who specialise in research, engineering and hazardous substance management are available for consultation on a daily basis.

Our new product brochure is designed to make it easier to find your way around our high quality product portfolio. We have redesigned the illustration and presentation of our products so that now you can select from the desired application area and view the most important characteristics at a glance.

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# 360° Service



# Beyond promises.

Research, development and production from a single source — that is what distinguishes Bremer & Leguil from other suppliers. We do not merely contact the sales department and management of large, small and medium-sized companies, but particularly support the users on the factory floor. Our 360-degree service includes various tools that customers can use entirely according to their needs:

- Application diagrams
- Hazardous material substitution
- Operating instructions
- Maintenance programmes
- Seminars and training sessions

Our speed of delivery, an important factor in modern production processes, has now impressed over 15,000 customers in industry and the energy supply, food and pharmaceutical sectors, as well as municipal enterprises.

We are able to deliver 97.5% of our products to our German customers within 72 hours and 96% of all orders are consigned to the forwarding company on the desired date.

If required, we can offer an individual product development or an own label as part of our customer-oriented services.

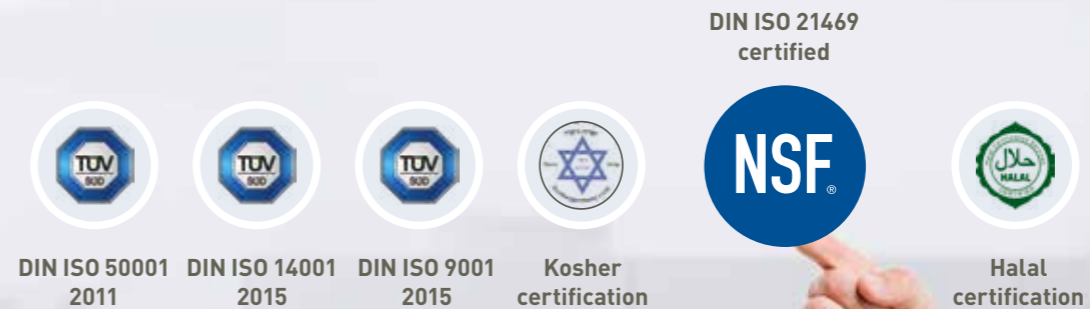
With current certification including DIN EN ISO 21469, Bremer & Leguil offer a well thought out portfolio of products and services, that makes us one of the best and most popular suppliers in the market.



**As one of our customers, you can rely on receiving local competent advice!**

We are happy to visit you to present our products and to discuss your queries. We will gladly work with you to develop individual concepts tailored exactly to your requirements.

Eleven specially trained members of staff are available to answer your questions about technical applications and another eight specialists in the fields of research, engineering and hazardous substance management.





# 1. Demand-specific Lubricants

Lubricants are needed in all areas of production processes and ensure the smooth running of processes in the manufacture of countless products. The areas of application range from roller and plain bearings to sensitive lubricants for the food industry. Lubricants not only reduce wear and friction, they also have an influence on force transfer, corrosion, heat transfer and vibration damping.

There are naturally very strict specifications for these products in the food industry. All of our NSF certified products reliably meet the legislative requirements and are non-hazardous with regard to health and the environment. You are certain to find exactly the right thing for your individual needs in our comprehensive range of products. We shall be happy to advise you without obligation – why not give us a call?

## 1.1 Oils

Product	Application Areas							Description	Properties		
	Gear units	Hydraulics	Chains & ropes	Electro-maintenance	Compressors	Roller & plain bearings	Maintenance		ISO VG	Temperature Range (°C)	NSF HT
C.H.G. 3	●	●		●	●	●	●	Fully synthetic top-performance oil: universal in use, very oxidative stable, applicable in maintenance units and oil-lubricated roller and plain bearings	32	-55 to +140	
C.H.G. 4	●	●		●	●	●	●	Fully synthetic top-performance oil: universal in use, very oxidative stable, also for oil-lubricated roller and plain bearings	46	-55 to +140	
C.H.G. 6	●	●		●	●	●	●	Fully synthetic top-performance oil: universal in use, very oxidative stable, also for oil-lubricated roller and plain bearings	68	-51 to +140	
C.H.G. 10	●	●		●	●	●	●	Fully synthetic top-performance oil: universal in use, very oxidative stable, also for oil-lubricated roller and plain bearings	100	-51 to +140	
C.H.G. 15	●			●	●	●	●	Fully synthetic top-performance oil: universal in use, very oxidative stable, also for oil-lubricated roller and plain bearings	150	-45 to +140	
C.H.G. 22	●			●	●	●	●	Fully synthetic top-performance oil: universal in use, very oxidative stable, also for oil-lubricated roller and plain bearings	220	-40 to +140	
F.L. 5 F.L. 5 Spray							●	Synthetic creep and fine oil: free of acids and resins, capillary and surface-active, good cleaning effect			NSF HT

Product	Application Areas							Description	Properties		
	Gear units	Hydraulics	Chains & ropes	Electro-maintenance	Compressors	Roller & plain bearings	Maintenance		ISO VG	Temperature Range (°C)	NSF HT
F.L. 12		●						Synthetic food grade lubricating oil: good sealing compatibility, little evaporation propensity, high ageing and oxidation stability	5	-65 to +100	NSF HT
F.L. 20		●						Synthetic food grade lubricating oil: good sealing compatibility, little evaporation propensity, high ageing and oxidation stability	15	-62 to +100	NSF HT
F.L. 50 F.L. 50 Spray		●	●					Synthetic food grade lubricating oil: good sealing compatibility, little evaporation propensity, high ageing and oxidation stability	32	-60 to +140	NSF HT
F.L. 75		●		●				Synthetic food grade lubricating oil: good sealing compatibility, little evaporation propensity, high ageing and oxidation stability	46	-59 to +140	NSF HT
F.L. 88 N F.L. 88 N Spray			●					Synthetic food grade chain lubricant: good creep and adhesive properties, oxidation stable	85/460	-35 to +140	NSF HT
F.L. 100		●		●				Synthetic food grade lubricating oil: good sealing compatibility, little evaporation propensity, high ageing and oxidation stability	68	-52 to +140	NSF HT
F.L. 125		●		●				Synthetic food grade lubricating oil: good sealing compatibility, little evaporation propensity, high ageing and oxidation stability	100	-45 to +140	NSF HT
F.L. 170		●		●				Synthetic food grade lubricating oil: good sealing compatibility, little evaporation propensity, high ageing and oxidation stability	150	-45 to +140	NSF HT
F.L. 250 F.L. 250 Spray		●		●				Synthetic food grade lubricating oil: good sealing compatibility, little evaporation propensity, high ageing and oxidation stability (ISO VG Spray 320)	220	-40 to +140	NSF HT
F.L. 400		●		●				Synthetic food grade lubricating oil: good sealing compatibility, little evaporation propensity, high ageing and oxidation stability	320	-35 to +140	NSF HT
F.L. 500		●		●				Synthetic food grade lubricating oil: good sealing compatibility, little evaporation propensity, high ageing and oxidation stability	460	-33 to +140	NSF HT
F.L. 1000 F.L. 1000 Spray			●					Synthetic food grade lubricating oil: good creep and adhesive properties, oxidation stable	1500	-12 to +140	NSF HT
F.L. 2000 F.L. 2000 Spray			●					Synthetic food grade lubricating oil: good creep and adhesive properties, oxidation stable	10	-10 to +140	NSF HT

# 1.1 Oils

Product	Application Areas							Description	Properties			
	Gear units	Hydraulics	Chains & ropes	Electro-maintenance	Compressors	Roller & plain bearings	Maintenance		NSF	ISO VG	Temp. Range	Other
<b>F.L. HT</b> <b>F.L. HT Spray</b>			●					High-temperature chain lubricant: thermal stability up to +240 °C, good adhesive properties, little evaporation propensity	NSF HT		-25 / +240 °C	
<b>F.L. KM 100</b>				●				Synthetic refrigeration oil: excellent low temperature flowbility, high thermal and chemical stability	NSF HT	68		
<b>F.L. PG 250</b>	●							Special food grade gear oil: high wear protection, good load carrying capacity	NSF HT	220	-40 / +160 °C	
<b>F.L. PG 500</b>	●							Special food grade gear oil: high wear protection, good load carrying capacity	NSF HT	460	-30 / +160 °C	
<b>F.L. SI</b>			●			●		Silicone oil: wide operative temperature range, excellent maintenance and protection properties	NSF 3HT HT		-40 / +200 °C	
<b>F.L. TM Spray</b>						●		Silicone-free allround release agent: easy removability, very thin separating film	NSF HT			
<b>N.B.A. 75</b>	●							Readily biodegradable hydraulic oil: developed for the food processing and packaging industry for the application in environmentally related and environmentally sensitive areas	NSF HT	46	-40 / +100 °C	
<b>S.B.H. 11</b>	●							Synthetic biodegradable hydraulic oil: generally hazardous to waters, has the EU Ecolabel, excellent Viscosity-Temperature behaviour		22	-30 / +90 °C	
<b>S.B.H. 23</b>	●							Synthetic biodegradable hydraulic oil: generally hazardous to waters, has the EU Ecolabel, excellent Viscosity-Temperature behaviour		46	-35 / +100 °C	
<b>S.I.L. Spray</b>						●		Silicone oil: wide operative temperature range, excellent maintenance and protection properties	NSF 3HT HT		-40 / +220 °C	
<b>S.K.D. 16 N</b> <b>S.K.D. 16 N Spray</b>			● i.	●		●		Synthetic inside bearing lubricant: good penetrating ability, cleaning effect, releases rust and pollution, reduces wear			-35 / +160 °C	
<b>S.K.D. 55</b>			● i.					Synthetic adhesive chain lubricant: for highly loaded chains, for the processing by central lubricating systems, e.g. for escalators, railway vehicles			-40 / +160 °C	
<b>S.K.D. 170</b> <b>S.K.D. 170 Spray</b>			● i.					Synthetic adhesive chain lubricant: universal, adhesive chain lubricant and external lubricant for ropes			-35 / +160 °C	
<b>S.K.D. 240</b> <b>S.K.D. 240 Spray</b>			● i.					Synthetic high-temperature chain oil: for the application in hot areas for long-term temperatures		100	-30 / +240 °C	
<b>S.K.D. 320</b>			● i.					Synthetic high-temperature chain oil: hot areas with long-term temperatures up to +250 °C, little evaporation propensity		220	-30 / +250 °C	
<b>S.K.D. 2000</b> <b>S.K.D. 2000 Spray</b>			● o.					Synthetic adhesive chain lubricant: for the lubrication and conservation of highly loaded chains and ropes			-25 / +250 °C	

i. = for the inside lubrication of chains and ropes / o. = for the outside lubrication of chains and ropes

Product	Application Areas							Description	Properties			
	Gear units	Hydraulics	Chains & ropes	Electro-maintenance	Compressors	Roller & plain bearings	Maintenance		NSF	ISO VG	Temp. Range	Other
<b>S.K.D. 3000</b> <b>S.K.D. 3000 Spray</b>			● o.					Synthetic adhesive chain lubricant: extremely adhesive lubricant for the outer section and for extreme requirements, also for O- and X-ring chains			-15 / +250 °C	
<b>S.K.M. 17</b> <b>S.K.M. 17 Spray</b>		●	●			●	●	Synthetic high-performance oil: good creep properties, e.g. for chain lubrication perfectly suitable		22	-40 / +100 °C	
<b>S.K.M. 41</b>	●	●	●			●		Synthetic high-performance oil: high ageing and oxidation stability, ideal for the lubrication of escalators		68	-34 / +120 °C	
<b>S.K.M. 46</b>	●	●	●			●		Synthetic high-performance oil: high ageing and oxidation stability, ideal for the lubrication of escalators		100	-32 / +120 °C	
<b>S.K.M. 56</b>	●	●	●			●		Synthetic high-performance oil: high ageing and oxidation stability, ideal for the lubrication of escalators		150	-30 / +120 °C	
<b>S.K.M. 121</b>	●					●		Synthetic high-performance oil: high ageing and oxidation stability		220	-30 / +120 °C	
<b>S.K.M. 171</b>	●							Synthetic high-performance oil: high ageing and oxidation stability		460	-27 / +120 °C	



## High-performance gear oil!

### S.P.G. 250

Synthetic high-performance gear oil

The new series of fully synthetic high performance oils based on polyglycol oil, with excellent wear protection for highly-loaded gears, ensure consistency of operation.

<b>S.K.M. 3010 Spray</b>			●					Synthetic adhesive lubricant: adhesive lubricant in ecologically sensitive areas			-15 / +120 °C	
<b>S.P.G. 250</b>	●					●		Fully synthetic gear oil: high wear protection, very oxidation-stable, particularly suitable for worm gears		220	-15 / +160 °C	
<b>S.P.G. 500</b>	●					●		Fully synthetic gear oil: high wear protection, very oxidation-stable, particularly suitable for worm gears		460	-30 / +160 °C	
<b>S.K.S. 40</b> <b>S.K.S. 40 Spray</b>						●		Universal cutting oil: chlorine free, fully synthetic and little evaporation propensity, for drilling and sawing operations				
<b>S.K.S. 48</b> <b>S.K.S. 48 Spray</b>						●		Universal cutting oil: chlorine free and fully synthetic, for most difficult machine operations with high alloy steels				
<b>T.F.L. 10</b> <b>T.F.L. 10 Spray</b>						●		Multi-functional oil with PTFE: Fine oil with a partly solid lubricant for the lubrication and maintenance of metal and plastic surfaces				
<b>T.M.F.</b>						●		Biodegradable multi-functional oil: not classified as dangerous, universal in use as low viscosity lubricant, care agent for stainless steel, medium term protection and many more			-50 / +180 °C	
<b>T.R.S. Plus</b> <b>T.R.S. Plus Spray</b>			●			●		Synthetic creep and fine oil: odourless, universal in use, to release and get going seized mechanical parts, care agent for stainless steel, to unblock rust and many more			-50 / +175 °C	



## 1.2 Greases

Product	Application Areas							Description	Properties		
	Gear units	Hydraulics	Chains & ropes	Electro-maintenance	Compressors	Roller & plain bearings	Maintenance		NSF	NLGI	Temp. Range (°C)
F.L.G. 2-0	●							Synthetic lubricating semifluid grease: for central lubrication systems, especially in packaging machines	NSF H1		-50 to +120
F.L.G. 3-1	●							Synthetic gear lubricating grease: for open and closed gears	NSF H1	0-00	40 to +140
F.L.G. 4-2						●		Synthetic bearing lubricating grease: universally applicable roller and plain bearing grease, especially in the food and drink industry	NSF H1	2	40 to +140
F.L.G. GT Spray		●	●				●	Synthetic multi-temperature grease: very good water resistance, excellent corrosion protection (also electrical contacts), sliding points	NSF H1	2	-45 to +170
F.L.G. GT-0						●		Synthetic multi-temperature grease: for roller bearings with wide temperature range	NSF H1	00	
F.L.G. GT-2			●			●		Synthetic multi-temperature grease: for roller bearings with wide temperature range, ideal for central lubrication systems	NSF H1	2	-45 to +170

Product	Application Areas							Description	Properties		
	Gear units	Hydraulics	Chains & ropes	Electro-maintenance	Compressors	Roller & plain bearings	Maintenance		NSF	NLGI	Temp. Range (°C)
F.L.G. Si-2							●	High-performance silicone lubricant: extreme water resistance, to lubricate plastics, fittings and seals, prohibits freeze		1-2	-40 to +180
S.K.D. 3400 S.K.D. 3400 Spray			●				●	Highest pressure adhesive lubricant: high-pressure semi-synthetic grease for highest pressure conditions, e.g. gears, gear wheels, roller and plain bearings		3	-30 to +120
S.K.D. 3501							●	High-speed grease: for the lubrication of roller bearings at very high revolutions and at low temperatures		1-2	-40 to +120
S.K.D. 3602 S.K.D. 3602 Spray			●	●			●	High-pressure, high-performance grease: semi-synthetic, für high loaded plain and roller bearings, guideances, spindles. Usable as electric contact grease		2	-30 to +140
S.K.D. 3800							●	Biodegradable lubricant for switches: switches and gliding planes at rail track systems, high water resistance, reduces friction and wear, good UV-resistance	Leaf icon	000	-35 to +100
S.K.D. 3802			●				●	Biodegradable multi-purpose lubricant: universal in use, also for guideances, spindles, electric motors and many more	Leaf icon	2	-40 to +130
S.K.D. 3817							●	Biodegradable turbine bearing lubricant: universal in use, also for guideances and spindles, very efficient in central lubrication systems	Leaf icon	1	-55 to +100
S.K.D. 3833 N			●				●	Biodegradable high-pressure grease: for highly loaded roller and plain bearings in ecological systems	Leaf icon	2	-30 to +130
S.K.D. 3915			●				●	High-temperature, heavy-load grease: grease with good corrosion protection properties		1-2	-20 to +180
S.K.D. 4002				●			●	High-temperature, high-performance grease: universal in use, wide temperature range, also for guideances, spindles, electric motor bearings, can be used as electrical contact grease		2	-50 to +210
S.K.D. 5001							●	Highest temperature grease: fluorine oil basis, highest thermal and excellent media resistance, lubrication of roller and plain bearings, guidings and plastics. Electrical contact grease	NSF H1	1	-25 to +260
S.K.D. 5002				●			●	Highest temperature grease: fluorine oil basis, highest thermal and excellent media resistance, lubrication of roller and plain bearings, guidings and plastics. Electrical contact grease	NSF H1	2	-20 to +260
S.K.D. 6002							●	Extreme-temperature grease: fluorine oil basis, extreme thermal and media resistance, also for guideances, spindles in plastic injection moulding machines, very good compatibility with plastics	NSF H1	2	-30 to +300



### Excellent lubricant properties!

#### S.K.D. 6002

Extreme temperature grease

Fully synthetic extreme temperature grease based on a performance-optimised, extremely low vaporisation fluorine oil and a special inorganic thickener. As a result, considerably longer lubrication intervals can be achieved at temperatures up to +300 °C than with conventional fluorine greases. NSF H1 registered.

F.L.G. GT-3						●		Synthetic multi-temperature grease: for plastic injection moulding machines, to lubricate runner and tool adjustments, good corrosion protection properties	NSF H1	2	-40 to +170
F.L.G. GT-4						●		Synthetic multi-temperature grease: for roller bearings with wide temperature range and high load carrying capacity	NSF H1	2	-35 to +180
F.L.G. HF-2						●		Synthetic adhesive lubricating grease: general lubrication of roller bearings and as grease for suspension track conveyors, good water resistance	NSF H1	1-2	-40 to +140
F.L.G. MD-2			●			●	●	Silicone grease: specially for EPDM seals in the drinks industry, mounting agent for plastic and ceramic parts	NSF H1	2-3	-40 to +200



### 1.3 Pastes

Product	Application Areas							Description	Properties	
	Gear units	Hydraulics	Chains & ropes	Electro-maintenance	Compressors	Roller & plain bearings	Maintenance			
<b>F.L.A.</b>								<ul style="list-style-type: none"> <li>High-performance assembly paste: especially for the food and drink industry, resistance against acids, lyes and water, very good adhesive power</li> </ul>		
<b>G.W.F.</b> <b>G.W.F. Spray</b>								<ul style="list-style-type: none"> <li>Anti-seize-agent and lubricant: assembly paste for thermally high loaded connections (VA-steel), stainless steel fittings, etc., prohibits fretting corrosion</li> </ul>		



#### Our Top-Seller!

#### G.W.F.

Anti-seize-agent and lubricant

Assembly paste for temperatures up to 1.200°C. Protects against corrosion and fretting corrosion. G.W.F. is resistant against water and salt. Therefore suitable for applications in wet areas.

<b>R.G.L. Spray</b>								<ul style="list-style-type: none"> <li>Transparent lubricant: clean and quickly drying high performance lubricating and separating film for extreme conditions like temperature, dust, vacuum, radiation</li> </ul>		
<b>W.A.P.</b> <b>W.A.P. Spray</b>								<ul style="list-style-type: none"> <li>High-performance grease paste: extremely water-resistant high-performance grease paste with metal oxitic ceramic solids. For screw fittings, highly loaded bearings and screw drives, chucks, etc. good protection against corrosion and fretting corrosion</li> </ul>		

## Rivolta®: ensures optimum lubrication and hygiene



NSF certified  
DIN EN ISO 21469



Halal certification



Kosher certification

Special regulations apply to the cleaning and lubrication of production systems in the food industry. As it is not possible to completely rule out contact with the machines during the manufacture of the goods, it is mandatory to use special products with NSF certification that are harmless to health.

Note: NSF International is an American not-for-profit organisation that provides standardisation and certification in the drinking water, food and healthcare sectors. Products are classified according to their type of use. More information about these classifications can be found at [www.nsf.org](http://www.nsf.org). Lubricants with NSF classification are up to 100% food safe.

DIN EN ISO 21469 certification also allows Bremer & Leguil to meet the hygiene requirements for lubricants with no foreseeable product contact.





## 2. Cleaner for all kinds of applications

Soiled machine parts, systems and surfaces are not only visually annoying, they can also bring the entire work process to a halt. Special cleaners are required to properly clean various materials in a wide variety of circumstances. For these jobs we can provide ultrapure hydrocarbon- or water-based cleaning agents.

Our range is as varied as the requirements it has to meet. You will find a comprehensive portfolio of cleaning agents with everything from a spray can to a security cleaner. If requested, we can arrange individual training for you and your staff in the use of our products. Please contact us and we will be happy to assist you.

## 2. Cleaners

Product	Application							Description	Properties		
	Electric cleaning	Spray-washing machines	High-pressure devices	Ultrasonic bath, Dipping bath	Floor cleaning	Washbasin	Manual cleaning				
A.C.S. Spray								● Acetone-spray: rapid and thorough cleaning of shiny steel- and metal components, removal of sealings			KW
A.C.S. 3 Spray								● Rapid evaporating cleaner: extremely effective rapid dissolving effect towards oily, greasy and resinous dirt from metallic surfaces			KW
B.F.C. Spray								● A1-Foam cleaner : odourless active foam for the cleaning and degreasing of water-resistant surfaces	NSF A1	H <sub>2</sub> O	nonVOC
B.N.L. 848	●	●	●	●	●	●	●	● Low-foaming neutral cleaner: very good cleaning performance, for the cleaning of sensitive materials such as aluminium, zinc, corrosion protection, VOC-free		H <sub>2</sub> O	nonVOC
B.R.X. 501				●	●		●	● Industry multi-purpose cleaner: highly alkaline, strong cleaning concentrate for tenacious contaminations	NSF A1	H <sub>2</sub> O	nonVOC
B.R.X. 540					●			● In-depth cleaner for floors: highly concentrated substance combination, phosphate-free, highly alkaline, removes even the most stubborn oily and greasy dirt		H <sub>2</sub> O	nonVOC
B.R.X. 550					●			● A1-Floor Cleaner: removes the most stubborn dirt, very fertile, highly alkaline, phosphate-free and solvent-free	NSF A1	H <sub>2</sub> O	nonVOC
B.R.X. 585				●	●		●	● Industry high-performance cleaner: highly alkaline, enormous cleaning performance against all kinds of grease, oil, wax, graphite, rubber abrasion, and many more	NSF A1	H <sub>2</sub> O	nonVOC

Product	Application							Description	Properties		
	Electric cleaning	Spray-washing machines	High-pressure devices	Ultrasonic bath, Dipping bath	Floor cleaning	Washbasin	Manual cleaning				
B.R.X. 611	●	●	●	●	●		●	● Low-foaming degreasing concentrate: user-friendly, highly active, versatile, VOC-free	NSF A1	H <sub>2</sub> O	nonVOC
B.R.X. 624	●	●	●	●				● Foam-free, high-performance cleaner: highly alkaline, energy efficient – delivers its full power already at room temperature, VOC-free		H <sub>2</sub> O	nonVOC
B.R.X. 637	●	●	●	●				● Low-foaming, high-performance cleaner: very energy efficient – delivers its full power already at low temperatures, corrosion preventive, VOC-free	NSF A1	H <sub>2</sub> O	nonVOC
B.R.X. 648				●			●	● High-performance cleaner: phosphate free, highly alkaline, especially to remove paints, lacquers, caked on lubricants, cracked oils and resins, VOC-free		H <sub>2</sub> O	nonVOC
B.R.X. 659	●							● Industrial power cleaner: removes stubborn dirt from sensitive surfaces such as aluminium and non-ferrous metal, corrosion preventive, VOC-free		H <sub>2</sub> O	nonVOC
B.S.E.				●			●	● Safety rust remover: for the removal of rust, lime and scale deposits, free of mineral acids, VOC-free		H <sub>2</sub> O	nonVOC



NEW

Very versatile!

S.U.W. Spray

Special cleaner for wind power and industrial plants

A special cleaner with a mild odour that evaporates quickly and without leaving any residues. Rivolta S.U.W. Spray has a good material compatibility and is especially suitable for quick cleaning/degreasing of metallic surfaces in all industrial areas.

B.W.K.				●			●	● Water-based power cleaner: ready to use, alternative o solvents, removes stubborn dirt, versatile, good material compatibility	NSF A1	H <sub>2</sub> O	nonVOC
B.W.R. 180	●	●	●	●	●		●	● Cleaning concentrate: user friendly, good material compatibility, energy efficient – delivers its full power already at low temperatures	NSF A1	H <sub>2</sub> O	nonVOC
B.W.R. 210				●			●	● Cleaning concentrate: high cleaning power, highly concentrated, to clean / degrease water-resistant surfaces	NSF A1	H <sub>2</sub> O	nonVOC
B.W.R. 210 phos.-frei	●	●	●	●	●		●	● Low-foaming cleaning concentrate: extreme degreasing power, phosphate- and chloride free, corrosion preventive, VOC-free		H <sub>2</sub> O	nonVOC



## 2. Cleaners

Product	Application							Description	Properties		
	Electric cleaning	Spray-washing machines	High-pressure devices	Ultrasonic bath, Dipping bath	Floor cleaning	Washbasin	Manual cleaning				
B.W.S.							●	<b>Finish-cleaner:</b> easy to use, fast drying, good material compatibility, free of dyes, fragrances and preservatives	NSF AT	H <sub>2</sub> O	nonVOC
E.S.E. 340	●							<b>De-foamer for waterbased systems:</b> effective destruction of foam, silicone free, very efficient		H <sub>2</sub> O	
E.V.R.	●		●				●	<b>Electro pre-cleaner:</b> ready to use, water based product for the pre-cleaning of electrical components. (not under voltage)	NSF KZ	H <sub>2</sub> O	
M.T.X.				●	●	●		<b>Special cleaner:</b> evaporates slowly, without any residues, solvent with high cleaning power			KW
M.T.X. 60				●	●	●		<b>Special cleaner:</b> ery good degreasing power, nearly odourless, quick evaporation without residues – cleaned product can be used again quickly	NSF K1		KW



TIP

### Intensive Cleaning with best Performance!

#### M.T.X. 60 forte

Intensive cleaner

Based on high-purity, synthetic substances. M.T.X. 60 forte enables a safe removal of greases, waxes, oils, tar and other contaminations. This products shows a fast evaporation without residues. Therefore it is suitable for cleaning processes where the cleaned items have to be processed immediately after the cleaning.

M.T.X. 60 forte M.T.X. 60 forte Spray			●	●	●			<b>Intensive cleaner:</b> fast evaporating cleaner for stubborn contaminants like cracked oils and greases. Spray is also available as CO <sub>2</sub> filled version			KW
M.T.X. 100			●	●	●			<b>Special cleaner:</b> very good degreasing effect, quick and residues free evaporation – cleaned items can be processed shortly after the cleaning	NSF K1		KW
M.T.X. 160			●	●	●			<b>Special cleaner:</b> slow and residues free evaporating solvent with temporary corrosion protection component			KW
M.T.X. nonVOC forte			●	●	●			<b>nonVOC intensive cleaner:</b> very slow evaporating intensive cleaner for stubborn contaminations, is not subject to the 31. BImSchV. (Voc-decree)			KW nonVOC
M.T.X. Ultra			●	●	●			<b>Power cleaner:</b> slow evaporating power cleaner for for specific tenacious contaminations like wax, paint residues, bitumen, tar, cracked grease/oil			KW
O.C.X. O.C.X. Spray	●						●	<b>Oxide remover:</b> for a safe removal of oxide and sulphide layers or oil that became resin, grease residues as well as metal abrasions on electrical contacts of all kind			KW
S.B.C. Spray							●	<b>A1-Special cleaner :</b> special cleaner with rapid and residue-free evaporation, good cleaning effect against oil and grease as well as plastic and sealing residues	NSF AT		KW
S.F.R. Spray							●	<b>Special mould cleaner:</b> for the cleaning of moulds and tools on injection moulding machines, dissolves a large variety of plastic residues	NSF AT		KW
S.K.A.			●				●	<b>Kavitätenreiniger:</b> user-friendly, removes residues that arise on tools and moulds during plastics processing	NSF AT		KW nonVOC

Product	Application							Description	Properties		
	Electric cleaning	Spray-washing machines	High-pressure devices	Ultrasonic bath, Dipping bath	Floor cleaning	Washbasin	Manual cleaning				
S.K.E.				●			●	<b>Special adhesive remover:</b> effette removal of adhesives, loctite and sealing residues			KW
S.L.X. 500 S.L.X. 500 Spray	●		●				●	<b>Special safety cleaner:</b> wet cleaning of electrical installations and machines also under voltage. Strong cleaning effect with very quick evaporation without residues, non flammable, dielectric strength >130 kV/cm	NSF KZ		
S.L.X. 1000 S.L.X. 1000 Spray	●		●				●	<b>Special safety cleaner:</b> wet cleaning of electrical installations and machines also under voltage. Strong cleaning effect with very fast evaporation without residues, non flammable, dielectric strength >190 kV/cm	NSF KZ		
S.L.X. Rapid Spray	●						●	<b>Universal rapid cleaner:</b> effective cleaning of electrical installations and general machine parts e.g. in the food industry. Fast and residues free evaporation. (not under voltage)	NSF K1 KZ		KW
S.L.X. Super	●		●				●	<b>Electro safety cleaner:</b> wet cleaning of electrical installations and machines. Intensive cleaning power with slow and residues free evaporation, dielectric strength >190 kV/cm. (not under voltage)	NSF KZ		KW
S.L.X. Top S.L.X. Top Spray	●		●				●	<b>High performance electro cleaner:</b> wet cleaning of electrical installations and machines. Intensive cleaning power with ormal and residues free evaporation, dielectric strength >150 kV/cm. (not under voltage)	NSF KZ		KW
S.N.C. 101				●			●	<b>Mould cleaner and glue remover:</b> excellent dissolving power towards polymer and adhesive residues on metallic surfaces, VOC-free	NSF AT		KW nonVOC
S.R.K. S.R.K. Spray				●			●	<b>Special cleaner concentrate:</b> extremely effective - for the primary treatment of metallic components against e.g. hardened oil and grease layers			KW
S.U.W. Spray							●	<b>Special cleaner for wind power and industrial plants:</b> enormous cleaning power, good material compatibility, residue-free and rapid evaporation, mild smell			KW



## What does electro wet cleaning mean?



The wet cleaning of electrical installations is based on a cleaning method with liquid cleaners. The cleaning process can be done either without voltage or under voltage. Due to the use of the liquid cleaning products all components will be cleaned effectively and gentle towards the cleaned material. Interested? We will be happy to assist you.



### 3. No Chance for Corrosion

Corrosion is the substantial alteration of materials due to reaction with the environment and is a potential hazard with both economic and health consequences for the company and its staff.

The process of corrosion depends on both the properties of the materials and the environmental influences they are subjected to. Corrosion processes are very varied and often complex.

We provide both oily and wax-type products for the protection of plant and machinery. Our products provide protection in a wide variety of situations: from temporary surface preservation to long-term, close-down, interim and final preservatives, to preparation for outside storage or ocean shipment.

**Find the product for your particular application.**

### 3. Corrosion protection

Product	Storage Conditions			Description	Properties
	Oily	Waxy	Indoor storage / Outdoor storage under roof / Outdoor storage		
<b>F.L. CPF</b> <b>F.L. CPF Spray</b>	●	15 month	6 month	Synthetic corrosion protection fluid: to preserve complete machines, for mid-term conservation of semi-finished goods	NSF HT
<b>F.L. CPG Spray</b>	●	18-24 month	6-12 month	Synthetic corrosion protection spray: for mid-term conservation of semi-finished goods, injection moulds, thin film conservation without penetration effects	NSF HT
<b>K.S.P.</b> <b>K.S.P. Spray</b>	●	12 month	6 month	Corrosion inhibiting oil: low-viscosity corrosion protection oil for universal applications, very good creeping effect, drying	
<b>K.S.P. nonVOC</b>	●	12 month	6 month	Low-VOC corrosion inhibiting oil: low-viscosity oil for universal applications, very good creeping effect	nonVOC
<b>K.S.P. 130</b>	●	12 month	6 month	Corrosion inhibiting oil: excellent demulsifying properties, developed for the effective separation of introduced water based contaminations	
<b>K.S.P. 150</b> <b>K.S.P. 150 Spray</b>	●	15 month	6 month	Corrosion protection oil: low viscosity, very good creeping effect, thanks to excellent demulsifying properties also for immersion bath applications, universal applications, drying	
<b>K.S.P. 204</b>	●	18-24 month	6-12 month	Corrosion inhibiting oil: for an efficient temporary conservation, permanent thin oily protection film	

Product	Storage Conditions			Description	Properties
	Oily	Waxy	Indoor storage / Outdoor storage under roof / Outdoor storage		
<b>K.S.P. 204 nonVOC</b>	●	18-24 month	6-12 month	VOC-free corrosion inhibiting oil: for an efficient temporary conservation, VOC-free	nonVOC
<b>K.S.P. 204 VCI</b>	●	24 month	12 month	Thixotropic corrosion protection with VCI: VOC-free, suspended expiry, with VCI-inhibitors	nonVOC
<b>K.S.P. 305 Spray</b>	●	18-24 month	6-12 month	Corrosion protection wax: waxy, colourless and silicone-free corrosion protection spray, especially for injection moulds and tools	
<b>K.S.P. 305 R Spray</b>	●	18-24 month	6-12 month	Corrosion protection wax red: red pigmented K.S.P. 305 Spray for an easy visibility of the protected areas	
<b>K.S.P. 312 Spray</b>	●	24-36 month	18-24 month / 6-12 month	Corrosion protection wax: rapidly effective temporary long-term corrosion-protection in spray cans	



### Outstanding Characteristics!

#### K.S.P. 150 Spray

Corrosion protection oil

Our new low-viscosity corrosion protection oil offers not only a long and reliable corrosion protection for components of all kinds. Thanks to its excellent demulsifying properties, our all-rounder is equally suitable for universal use as well as for immersion bath and rinsing applications with increased water input, and is also extremely productive. Due to the high-quality ingredients no sticking or resinification is possible.

<b>K.S.P. 317</b>	●	24-36 month	18-24 month / 6-12 month	Corrosion protection wax: very economical wax with allround application possibilities, temporary long-term corrosion-protection	
<b>K.S.P. 325</b>	●	36 month	24-30 month / 12-15 month	Long-term corrosion protection wax: long-term corrosion protection for more difficult storage- and transport conditions, e.g. sea freight	
<b>K.S.P. 440 nonVOC</b>	●	30-72 month	24-48 month / 12-36 month	VOC-free corrosion protection wax: VOC-free full solid long-term corrosion protection wax for extreme storage-, transport- and surrounding conditions	nonVOC
<b>W.S.X.</b> <b>W.S.X. Spray</b>	●			Moisture protection: colourless, fine and water-repellent protection film for electricals components. Protects components against corrosion and defaults due to moisture	KW






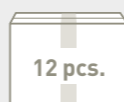








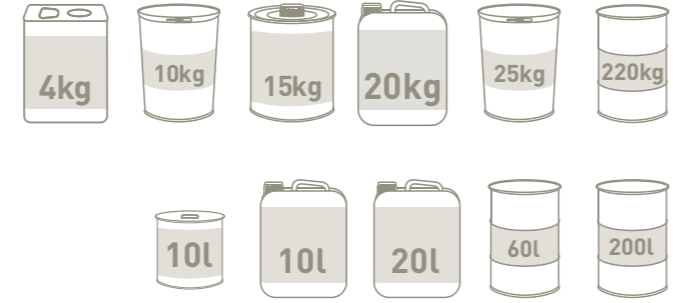
The named storage period and respective conditions can only be reached if all processing guidelines ut of the single product information sheets are fulfilled.



## Packaging Units

## Instructions for use



Type of packaging	Packaging size	per carton
	50 ml spray-can	 40 pcs.
	100 g tube	 20 pcs.
	250 ml bottle 300 ml pump-spray 300 ml spray-can 400 ml spray-can 500 ml spray-can 750 ml spray-can	 12 pcs.
	200 g dispenser 370 g tube 400 g cartridge 470 g cartridge 500 g cartridge 600 g cartridge 800 g cartridge 1 kg / 1 l bottle	 12 pcs.
	480 g can 480 g brush-can	 12 pcs.
	750 ml spray-can	 10 pcs.
	500 g can 960 g can 1 kg can	 6 pcs.
	All other packaging units starting 4 kg	single

### Advise

Our products in general are not subject to an expiration date like food, but nevertheless because of oxygen, humidity, warmth or light can start up an ageing process. To keep the ageing of our Products during storage as low as possible the follow-ing points have to be considered:

- The containers have to be originally closed.
- Temperatures of 10-20°C are ideal. Big temperature fluctuations are to be avoided.
- The air in the storage room should be dry and dustfree if possible.
- The containers must not be stored outside. (Water penetrates the container.)
- The containers are to be protected against frost.

### Shelf life periods

The following shelf life periods of the Bremer & Leguil GmbH products are valid:

- Oils .....5 years
- Greases .....3 years
- Pastes .....3 years
- Sprays (Spray-can).....3 years
- Water-based cleaners .....3 years
- Hydrocarbon-based cleaners .....5 years
- Corrosion protection oils .....5 years
- Corrosion protection waxes .....2 years (if necessary mix before using)
- Corrosion protection, thixotropic .....1 year (mix well before using)

### Recycling



The disposal of metal packaging can be done by the company KBS-Kreislaufsystem Blechverpackungen Stahl GmbH.



The disposal of plastic packagings can be done by the company RIGK-Gesellschaft zur Rückführung industrieller und gewerblicher Kunststoffverpackungen mbH.



All emptied Rivolta® spray cans can be disposed through the take-back system RESPRAY of the company REMONDIS Industrie Service.

We are happy to assist you in all kinds of questions regarding our products, applications and packaging.

The shown packaging sizes are our standard. Other types of packagings and sizes are available upon request.

# Rivolta®

## Interested?

**Then contact us! Our Team is always open to support you.  
More information about our products and our high standards  
in quality and production can be found on our website**

**[www.bremer-leguil.de](http://www.bremer-leguil.de)**

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This brochure facts and statements and is determined with our best knowledge and will be checked continuously. These statements are depending - among other reasons - on experiences gained in the industry. We only pass them on without liability. Before using our products you should test the applicability and you should convince yourself about the satisfactory performance. We are specialized in developing products for extreme tribological problems in cooperation with end users.

Bremer & Leguil provides service and individual advice. Please contact us.

Product illustrations partly consist of picture compositions and therefore, do not necessarily reflect the reality.

Our products are continually being updated. We reserve the right, therefore, to alter the information of this brochure at any time and without prior announcement.

**Leading quality produced by us:**

**Rivolta**

**CASSIDA**

**VITROLIS**



**Bremer & Leguil GmbH** • Am Burgacker 30-42 • 47051 Duisburg • Germany  
Tel. +49 (0) 203 99 23-0 • Fax +49 (0) 203 2 59 01

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