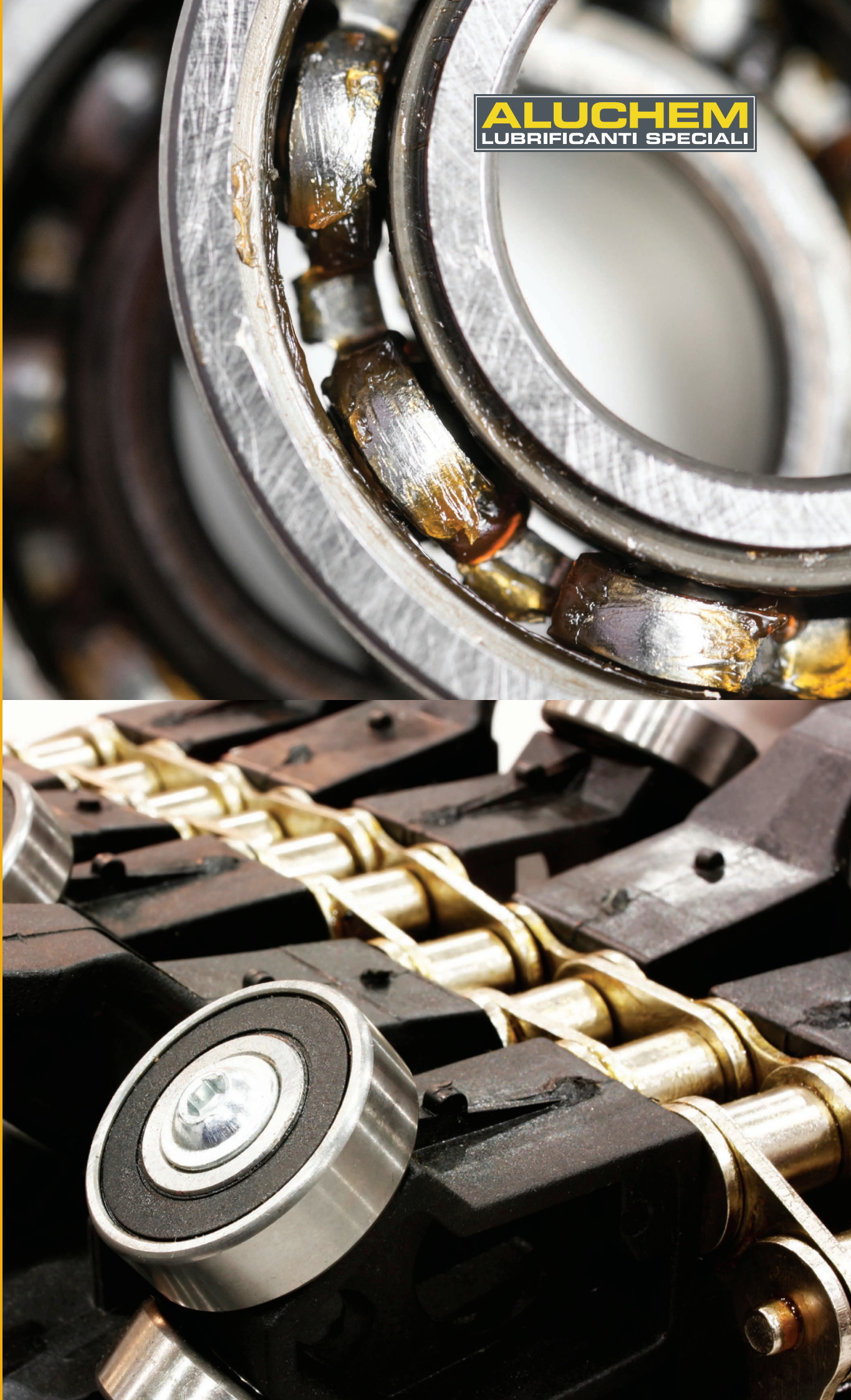


# GREASES

**ALUCHEM**  
LUBRIFICANTI SPECIALI





## → Environmental protection

Innovative biodegradable products meet the requirements of the stringent OECD 301 B guidelines designed specifically for outdoor applications such as sewage and water treatment plants, pits, agricultural machinery or construction sites.



## → Longer lasting

Thanks, to their special formula, Aluchem greases allow for much greater intervals between lubricants than the traditional greases available on the market, and offer considerable economic benefits too.

## → Increased protection

The appropriate choice of the components, and the correct levels of adhesion and additives provide improved properties of resistance to the washout effect.








Technology constantly improves the characteristics and performances of machinery and mechanical components.

Despite the evolution of industrial scenarios, Aluchem remains in the forefront of research and development by producing lubricating greases, making them increasingly efficient and adapting them to new machines.

Aluchem exploits its wealth of experience in applications and design to produce a wide range of universal solutions or dedicated solutions for fulfilling a variety of industrial needs.





NAME	PROPERTIES AND PERFORMANCE	TEMPERATURE	GRADE	THICKENER	BEARINGS	PINS, JOINTS, ARTICULATIONS	
NON TOXIC GREASES CAT. H1	Aluflos G 2	Synthetic, fluorinated grease. Non-soap thickened and non-toxic. Non-flammable. Resistant to a large variety of chemical agents and solvents. Oxygen-compatible, even at high temperature and pressure. It retains excellent lubricating properties and outstanding thermal/oxidative stability at very high temperature. Ideal for extreme operating conditions and very long service life in aerospace, nuclear, industrial applications.	-30 °C ÷ 270 °C	1 - 2	PTFE	●	●
	Aluflos AV	Synthetic, fluorinated grease. Non-soap thickened and non-toxic. Non-flammable. Resistant to a large variety of chemical agents and solvents. Oxygen-compatible, even at high temperature and pressure. It retains excellent lubricating properties and outstanding thermal/oxidative stability at very high temperature. Ideal for extreme operating conditions and very long service life in aerospace, nuclear, industrial applications.	-30 °C ÷ 270 °C	2	PTFE	●	●
	Aluflos ST	Non-toxic, synthetic, fluorinated grease, with inorganic thickener. Non-flammable. Resistant to a large variety of chemical agents and solvents. Oxygen-compatible, even at high temperatures and pressure. Retains excellent lubricating properties and thermal/oxidative stability even at the highest temperatures. Ideal for static or slow-moving contacts, as inalterable assembly compound, sealant for stuffing boxes and seals, or anti-ager for elastomers and plastomers.	-35 °C ÷ 270 °C	2	PTFE	●	●
	Alugrease® AS 	Non-toxic, high-performance, water-repellent, synthetic high temperature grease; contains PTFE. Featuring outstanding antiwear and thermal stability, it is recommended for all bearings and components in machinery employed in the food industry (dairies, pasta factories, bakeries, etc.). Very long re-lubrication intervals.	-50 °C ÷ 180 °C	0 - 1 - 2	Al Kx	●	●
	Alugrease® AS AD	Water-repellent, non-toxic grease, specifically formulated for bearings and gears operating in presence of water.	-20 °C ÷ 180 °C	0 - 1 - 2	Al Kx	●	●
	Alugrease® AS HT 	Non-toxic, synthetic, non-soap type, very high temperature grease. It contains PTFE and other white solid lubricants. Featuring outstanding anti-wear and thermal stability, it is recommended for all bearings and components in machinery employed in the food industry (dairies, pasta factories, bakeries, etc.). Very long re-lubrication intervals.	-35 °C ÷ 200 °C	1 - 2	Inorganic	●	●
	Alugrease® BA FG 	Non-toxic, synthetic, very tacky grease with special solid lubricants. Outstanding water resistant. Ideal for the lubrication of bearings and other components exposed to high load and water wash-out.	-15 °C ÷ 160 °C	0 - 1 - 2	Al Kx	●	●
	Alugrease® G 93 A 	Special, synthetic, non-toxic, medium/high temperature grease, featuring excellent lubrication, anti-oxidant and antiwear properties. It can be used in a whole range of food-industry mechanisms and for extended service.	-45 °C ÷ 160 °C	00 - 0 - 1 - 2	Al Kx	●	●
	Alugrease® FG HV 	Special, synthetic, non-toxic, high-temperature grease, featuring excellent lubrication properties, good resistance to water and good pumpability into centralised systems. Excellent anti-oxidant and antiwear power. It can be used in a whole range of food-industry mechanisms and for extended service.	-45 °C ÷ 160 °C	0 - 1 - 2	Al Kx	●	●
	Unionsil	Translucent, white, synthetic silicon grease, featuring total water repellence and very good dielectric strength. Suitable for lubrication and protection of valves, seals, gaskets, O-rings, in the food industries, also in aggressive or flooded environment. Suitable for protecting ceramic insulators in general.	-35°C ÷ 200 °C	L (≈0/1) M (≈2) H (≈3)	Inorganic	▲	▲

INDUSTRIAL GREASES	NAME	PROPERTIES AND PERFORMANCE	TEMPERATURE	GRADE	THICKENER	BEARINGS	PINS, JOINTS, ARTICULATIONS
	Alugrease® AT FX	Clear synthetic grease containing PTFE. Featuring outstanding lubricating properties, high thermal/oxidative stability and anti-wear protection. Specific for lubrication of bearings operating at very high temperatures.	-20 °C ÷ 230 °C	0 - 1 - 2	Li Kx	●	●
	Alugrease® HTCL	Completely synthetic grease with strong rust- and wear-inhibiting properties, good tackiness and resistance to loads. High thermal resistance. Low residues. Ideal for lubrication of chains operating in moist and high-temperature environments. Good to be pumped, will not clog pipes and nozzles.	-30 °C ÷ 200 °C	000 - 00 - 0	Al Kx	■	▲
	Alugrease® BA	Multifunctional special grease, white, with excellent tackiness and water repellent properties. Ideal for use in presence of water and/or high temperatures. Used for lubrication of bearings, slow gears, conical couplings, slideways, and articulations in general.	-20 °C ÷ 200 °C	0 - 1 - 2	Al Kx	●	●
	Alugrease® MT	Grease with very high EP properties, due to the presence of solid lubricants such as copper and graphite. Additional characteristics are excellent tackiness and water repellence. Ideal for lubrication of pneumatic hammers, open gears and also badly-aligned/large clearance gears.	-15 °C ÷ 200 °C	00 - 1 - 2	Al Kx	▲	■
	Alugrease® Super	Synthetic grease highly resistant to ageing. Particularly suitable for, components, centralised systems grease-lubricated gears, bearings operating at very high speed (Super 2 HS) and high temperature (Super 2 HD). Also ideal for very low start-up or running temperatures.	-27 °C ÷ 220 °C	00 - 0 - 1 - 2	Li Kx	●	●
	Aluplex C Aluplex CB	Multifunctional special grease containing antioxidant and EP additives. Ideal for very high temperature service or in wet environment. Very high lubricating and antiwear properties; resists ageing. Used in hot chains, slow bearings, slideways, articulations and gears and in continuous castings of steel.	-15 °C ÷ 230 °C	0 - 1 - 2	Al Kx	●	●
	Unionfett HT	Non-soap type grease, recommended for bearings operating at high temperatures with continuous grease feed or with short re-lubrication intervals, such as continuous casting bearings.	-20 °C ÷ 200 °C	2	Inorganic	●	●
	Unionlub® Axel	Tacky grease offering total water repellence and very good EP properties. Suitable for general lubrication of pins, articulations and universal joints of heavy machinery employed in digging and earthmoving in general. It provides components with long-lasting lubrication and protection, even in presence of water.	-20 °C ÷ 200 °C	00 - 0 - 1 - 2	Al Kx	●	●
	Unionlub® Dynamic	Completely water-repellent grease, with good tackiness, excellent EP properties, rust- and oxidant-inhibiting properties. Suitable for bearings, pins, joints, couplings, washing systems, agricultural and earth-moving machinery operating at medium temperatures.	-25 °C ÷ 120 °C	2	Ca Anidro	●	●
	Unionlub® M	Multifunctional grease containing finely micronized Molybdenum Bisulphate. Excellent for lubrication of bearings operating at high temperatures, with heavy loads and in critical lubricating conditions. Very long service life.	-20 °C ÷ 200 °C	0 - 1 - 2 - 3	Li Kx	●	●
	Unionlub® NA	Special multifunctional grease with excellent thermal resistance and good EP properties. Ideal for general lubrication of any type of bearings. Also recommended for joints, articulations and gears. Excellent service life.	-20 °C ÷ 200 °C	00 - 0 - 1 - 2 - 3	Li Kx	●	●



NAME		PROPERTIES AND PERFORMANCE	TEMPERATURE	GRADE	THICKENER	BEARINGS	PINS, JOINTS, ARTICULATIONS
BIODEGRADABLE GREASES	ALUbio Grease 	Light-coloured, biodegradable grease, featuring very good lubrication properties, good tackiness and water repellence. Suitable for lubricating marble quarrying and cutting machines, outdoor installations in general, agricultural, forestry and earth moving machinery.	-20 °C ÷ 100 °C	0 - 1 - 2	Li	●	●
	ALUbio Grease EP 	Synthetic, easily biodegradable grease according to OECD 301 B method with new generation EP biodegradable additives. Suitable for heavy mechanical stresses and good in moist environment. Easy to pump also at low temperatures.	-20 °C ÷ 150 °C	0 - 1 - 2	Li	●	●
	ALUbio Grease HV 	Synthetic, easily biodegradable grease according to OECD 301 B method. Suitable for lubrication of every industrial components, in particular for roller and plain bearings.	-20 °C ÷ 150 °C	0 - 1 - 2	Li	●	●
SPRAY	Alugrease® BA FG	Spray can of multifunctional, water-repellent, very tacky, white grease, for lubrication of kinematic and other components, even if exposed to wash-out. Registered as non-toxic lubricant in Category H1 by NSF.	-20 °C ÷ 160 °C	0	Al Kx	●	●
	Alugrease® AS HT	CFC-free aerosol of non-toxic, synthetic, very high-temperature grease, prepared with ingredients approved by FDA, for use in food industries where incidental food contact may take place.	-35 °C ÷ 200 °C	2	Inorganic	●	●
	Alugrease® White Spray 	Spray developed with substances that meet the requirements of National Pharmacopoeia and according to the NSF standards, it may be arranged in Category 3H as a Release Agent, wherever incidental contact with food, cosmetics and medicinals may occur.	-5 °C ÷ 60 °C	0 - 1	Pharmaceutical Petrolatum	▲	■
COMPOUNDS	Alugrease® AGU	Antiscuff penetrating compound with copper to assemble and disassemble mechanical components exposed even to high temperatures.	-15 °C ÷ 1.050 °C	2	Inorganic	▲	▲
	Alugrease® AL	Antiseize compound with aluminium for very high temperature applications, with moisture, even for marine or aggressive environment.	-15 °C ÷ >1.200 °C	2	Inorganic	▲	■
	Alugrease® PTE	White lubricating compound, indicated for various uses, with excellent anti-wear and antioxidant properties and high resistance to loads.	-70 °C ÷ 250 °C	2	Inorganic	▲	■
	Alugrease® PZ	Synthetic fluid assembly compound formulated for lubrication of initial assembly, ensures low kinetic friction coefficient, excellent anti-wear properties. Recommended also for textile equipment and instruments.	-70 °C ÷ 250 °C	2	Inorganic	■	■

In 2001, Aluchem released the first biodegradable lubricant and is recognised today as a pioneer in the field of bio-lubricants with low environmental impact, the use of which is particularly important in sensitive environments.

Through predictive maintenance, we are able to work with customers by guaranteeing longer-lasting products, resulting in decreased consumption and lower costs as compared to preventative maintenance.

Standard or customised analysis packages are available to suit customer needs.

Aluchem offers its customers a service to monitor oils in use according to ASTM and ISO regulations so as to evaluate the mechanical condition of lubricated equipment to prevent possible failure or malfunction.

Aluchem is an ISO certified company: UNI EN ISO 9001:2015



Tailor made lubricants

Lubrication plans

Training courses

Lubricant analysis

**More than 40 years of experience in quality service**



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