

BIODEGRADABLE PRODUCTS

ALUCHEM
LUBRIFICANTI SPECIALI

ALU
BIO 

Every company today must consider the impact its business has on the environment.

In the production sector over the last decade the need has arisen to adopt an environmental policy aimed at respecting the world in which we live and produce and complying with the current pertinent regulations.

As far back as the nineties AluChem was the first Italian company to formulate a complete series of non-toxic lubricants with NSF registration for the food and pharmaceuticals industries.

In 2001 it placed the first biodegradable lubricant and the company is now acknowledged as a pioneer in the technology of biolubricants having low environmental impact.

Our ALUbio products must be used especially whenever the lubricant represents a contamination risk for the ground, water or foodstuffs.



AluChem fosters the conscious use of resources



The performance of Aluchem Bio products is comparable with that of Aluchem's highest performance synthetic lubricants, developed over more than thirty years of business.

All our lubricants are formulated selecting the best raw materials in accordance with rigid quality criteria.

Biodegradable lubricants, with lower environmental impact conceived to reduce the emission of substances harmful to the water and ground.

In the medium to long term the use of these solutions pays back our efforts and investments in economic efficiency and our quality of life.

It is with these views in mind that we work on a daily basis and our laboratory continues to research the best solution in state-of-the-art facilities which are always ready to respond to all external inputs.

-  **Biodegradable lubricants from renewable sources**
-  **Low toxicity lubricants**
-  **Products that respect the environment**
-  **Long working life**





The ecological mission of AluChem: high performance, maximum safety, respect for the environment

AluChem has chosen to follow a path that reduces environmental impact placing its thirty years of experience at the service of those virtuous companies that make environmental respect a daily commitment and all the companies that wish to be prepared to comply adequately to regulatory requirements.

This philosophy underlies the line of ALUbio biodegradable products.

AluChem, as the owner of the formula and the production process, is able to develop customised solutions also using biodegradable products.

It is the only Italian company that uses the OECD 301 B method internally in R&D.

The OECD 301 B method = we are the only Italian company which can claim to have a laboratory equipped with the instruments necessary to assess the effective biodegradability of our products in accordance with EU standards.



	PRODUCT	PROPERTIES AND PERFORMANCE
OILS	ALUbio Oil G	Special biodegradable oil, recommended for all plants where, for ecological reasons, it is necessary to protect the environment from accidental spills of the product. Formulated using lubricating bases classified as "easily biodegradable" in accordance with the rigorous OECD 301 B method. With its high performance "EP" is ideal for reducers and loaded bearings. Resistant to rust and excellent anti-foamant and anti-wear properties.
	ALUbio Oil H	Synthetic biodegradable oil, recommended for all plants where for ecological reasons it is necessary to protect the environment from accidental spills of the product. Formulated using lubricating bases classified as "readily biodegradable" in accordance with the rigorous OECD 301 B method. With an extremely high viscosity index, excellent anti-wear, anti-oxidant and anti-foam properties it is suitable for pressurised hydraulic plant.
	ALUbio Oil H Plus	Synthetic biodegradable hydraulic oil extremely advanced in its concept for very long duration in service. Formulated with lubricant bases classified as "readily biodegradable" in accordance with the rigorous OECD 301 B method. With an extremely high viscosity index, excellent anti-wear, anti-oxidant and anti-foamant properties it is suitable for pressurised hydraulic plant at high temperatures to guarantee efficient safe operation for very long periods.
	ALUbio Oil HFR	Synthetic oil with extremely high viscosity index, excellent anti-rust properties and a high flash point. Formulated using lubricating bases classified as "readily biodegradable" in accordance with the rigorous OECD 301 B method. Selfextinguishing in the absence of a source of ignition. Ideal for hydraulic circuits operating in fire risk areas.
GREASES	ALUbio Grease	Clear coloured biodegradable grease with high lubricating power, good adhesion and totally waterproof. Obtained from the latest generation of synthetic base oil, classified as "readily biodegradable" in accordance with the rigorous OECD 301 B method. Ideal for lubricating mining and marble cutting machinery, open air installations in general, agricultural, forestry and earthmoving machinery.
	ALUbio Grease EP	Contains the latest generation of biodegradable EP additives which confer high resistance of the lubricating film to the highest mechanical forces. Obtained from the latest generation of synthetic base oils, classified as "readily biodegradable" in accordance with the rigorous OECD 301 B method. Exceptional adhesion, EP and anti-wear properties, very low limiting coefficient of friction.
	ALUbio Grease HV	Biodegradable grease based on the latest generation of synthetic fluids, classified as "readily biodegradable" in accordance with the rigorous OECD 301 B method. High lubricating power, good adhesion and waterproofing properties, resistance to loadsand. Low limiting coefficient of friction.
DETERGENTS	Aluclean	Nonflammable foamless detergent. Biodegradability >=90%. Effectively removes dirt, oily and black residues from equipment and industrial floors.
	Bio Cleaner 680	Of plant origin, 100% biodegradable and non flammable. Soluble in water and recommended for external cleaning of industrial machinery, it removes oil and grease vigorously without irritating the skin.
	Bioemu	Degreaser-detergent producing little foam, non toxic and non caustic, 98% biodegradable. Soluble in water at all concentrations it is ideal for rapidly removing oil, grease and residues in general. Can be used automatic washing systems, low foam formation, easy to rinse away.



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Aluchem more than 40 years of experience in the service of quality

Aluchem offers its customers an oil analysis service for machine condition monitoring in total compliance with current ASTM and ISO standards capable of assessing the mechanical condition of lubricated machinery for the purpose of anticipating breakdowns and malfunctions.

Preventive maintenance enables us to cooperate with our customers guaranteeing a reduction in the frequency of changing lubricants with consequent reduction of consumption and costs connected with preventive maintenance.

Standard analysis kits and customised versions are available to meet the needs of the client.

Aluchem has UNI EN ISO 9001:2008 certification

Our services:

- Analysis of lubricants
- Lubrication plans
- Training courses
- Customised lubricants

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