NON-TOXIC PRODUCTS

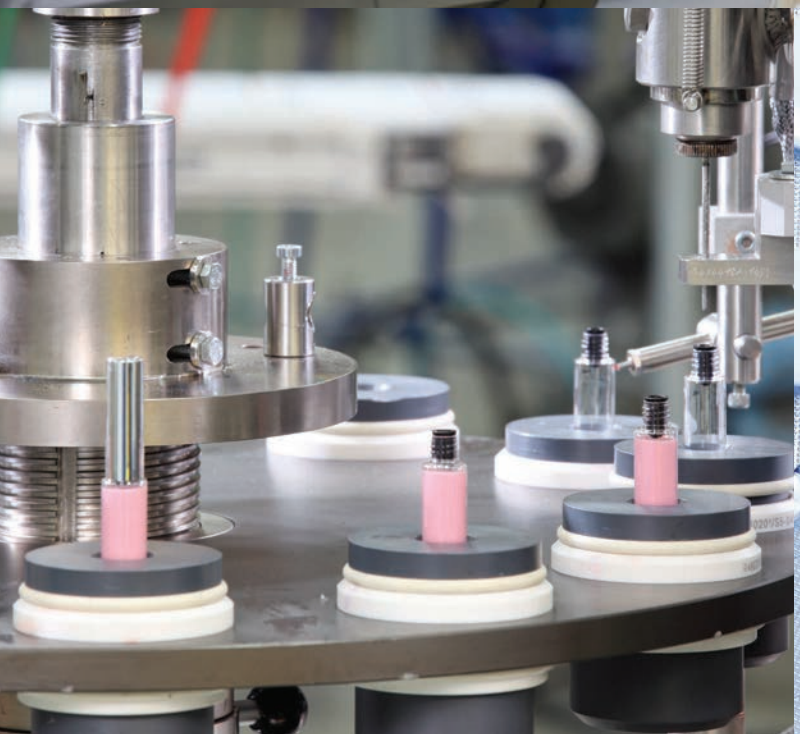
ALUCHEM
LUBRIFICANTI SPECIALI

All Aluchem food-grade lubricants are NSF Registered

Aluchem's non-toxic lubricants are registered by the USA NSF in category H1 and 3H.

The food-grade certicates are available on www.nsf.org/usda/psnclistings.asp.

Aluchem are constantly engaged in R&D of new products. The complete food-grade range therefore includes recently launched products, whose Registration procedure is either in progress or planned.



FOOD-GRADE LUBRICANTS, A CONSCIOUS DECISION

Legal constraints and the consumer market sensitivity for food safety, dictate the use of non toxic lubricants to Food, Pharmaceutical and Cosmetic industries, whenever incidental food contact may occur.

In the 1990s, Aluchem became the first Italian company to formulate a complete series of non-toxic lubricants, registered by the NSF (categories H1 and 3H) for use in the food and pharmaceutical industries.

The Aluchem non toxic and synthetic lubricants are products of our most modern machinery, with advanced tecnology and rigorous control criteria to ensure the maximum level of purity and quality.

- Italian and EC ruling place the primary responsibility on all operators in the logistic chain, from primary production to retailing and consumption.
- The new rules are driven by the well established system of Hazard Analysis and Critical Control Points (HACCP) facility operation.
- Process operators will be periodically inspected for HACCP recording, monitoring and corrective measures implementation.

Aluchem, a specialist company with extensive knowhow in R&D and marketing of high performance synthetic lubricants, has developed a full range of food-grade products, Alusynt FG, offering outstanding performance.

- Compliant with Italian and USA requirements.*
- Very long oil drain intervals, dramatically outperforming mineral oils.
- Outstanding wear and corrosion protection; no deposit formation in high temperature operation.
- Increased load carrying capability, even with large temperature variations.
- Lower friction coefficient, compared with mineral oils, hence lower operating temperatures and energy savings.
- Manufactured in the advanced Aluchem plant, meeting the most severe criteria of purity and quality level.

(*) New approach in USA regulations for food-grades

- Until February 1998, USDA (US Dept. Of Agriculture) required meat and poultry facilities to use proprietary substances that had been approved under the USDA authorization programme. Ingredients for incidental food contact lubricants (Cat H1)had to be present in FR 21, CFR List n°178.3570. US FDA (Food and Drug Administration) is the owner and custodian of this list, certifying the non toxic nature of the listed substances when used for preparation of H1 lubricants
- Since January 2000, NSF International (National Sanitation Foundation - USA) has started a registration programme for H1 grades, which mirrors the prior USDA procedure.
  NSF H1 registered grades are assigned a Registration Nr and are reported in: www.nsf.org/usda.

The range of Alusynt FG oils has been studied to satisfy, with maximum performance the requirements of all sorts of machinery used in the industry

→ FOOD → PHARMACEUTICAL → COSMETIC INDUSTRIES

NAME	CAT. CODE	PROPERTIES AND PERFORMANCE
Alusynt FGC	**H1**	all kinds of compressors and vacuum pumps
Alusynt FGH	**H1**	hydraulic systems, bearings, circulatory and splash lubrication systems
Alusynt FGL	**H1**	pneumatic and microfog systems, precision components
Alusynt FGR	**H1**	gears, high temperature chains, articulations, joints, mechanical components in general
Alusynt FGR-PA	**H1**	gears operating in severe duty
Alusynt FGE 14	**3H**	totally synthetic release agent for pasta transport pipes, cooking tops and slide-tracks
Alusynt FGL 68 Spray	**H1**	aerosol for chains and various mechanisms in the food industry

The food-grade oils range also includes:

Alugraf HVG		for high temperature chains
Alusil D	**H1**	for special applications at high and low temperature
Alusynt PSL	**H1**	gears, high temperature chains, articulations, joints, mechanical components in general
White AM	**H1**	multipurpose, semi-synthetic range
Alusynt Microflon	**H1**	synthetic lubricant with micronized PTFE. Used for mechanical components in general
White FU	**3H**	white oil formulated for food processing
Alusynt EF-T	**H1**	chains in cooking ovens operating at very high temperatures
Degripan FG Spray	**H1**	unblocking spray and lubricant for mechanisms in the food industry

Along with the synthetic oils range, Aluchem have developed a full portfolio of food-grade synthetic greases.

Alugrease G 93 A	**H1**	for general purpose application
Alugrease AS	**H1**	for high temperature bearings and other components
Alugrease AS-HT	**H1**	with inorganic thickener, for high temperature components
Alugrease AS-AD		long life, severe duty, water wash-out and steamy environment
Alugrease BA-FG	**H1**	for special applications, severe duty, water wash-out and steamy environment
Aluflos G	**H1**	for estreme temperature conditions, chemically aggressive environment, contact whit oxigen or solvents
Unionsil L-M-H		for seal protection and plasti/plastic lubrication
Alugrease FG HV	**H1**	for components in the food industry, good load resistance
Alugrease BA FG Spray	**H1**	for lubrication of male-female screw combinations, cams, slide guides, chains, bushings and slow bearings
Alugrease White Spray	**3H**	for lubrication and surface protection of circular blades of slicers, knives and chains

A complete range of auxiliary products for maintenance and production is also available, such as solid lubricants, penetrating oils, anti-seize compounds and degreasers.

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

dotis.it

Tailor made lubricants Lubrication plans Training courses Lubricant analysis

More than 40 years of experience in quality service

ALUCHEM
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