



CLEANING

ANTI-CORROSIVE

DETERGENT

SOLVENT

OUR HISTORY

elasa® is the brand name of a great company called ELECTROFILM ESPAÑOLA, S.A. born in February 1965 thanks to its founding partner Mr. Teodoro Carvajal Gallego.

Electrofilm Española, S.A. started collaborating with the company ELECTROFILM INC., USA located in West Lafayette (Indiana) importing its technology and lubricant products in all its formats.

Starting as an importing company and only dedicated to the commercialisation of lubricants of well-known brands such as Lubri-Bond and Everlube manufactured in accordance with the American MIL regulations, it reached such dimensions that it was motivated to GROW.

In 1985 the management of ELECTROFILM INC, USA offered us the acquisition of their facilities in West Lafayette. In those years the Spanish government did not allow us to import their machinery from the USA. Nowadays we are independent.

Given our excellent relationship and professional cooperation, ELECTROFILM INC., USA decided to transfer all its technology, know-how and original formulations to ELECTROFILM ESPAÑOLA, S.A. before belonging to GLCC in 1988. This gave us the possibility to grow as a company and to undertake the great adventure, after a long commercial career as importers, to become specialised manufacturers in the lubrication and industrial engineering sector.

This meant a new change of facilities to the current management. The group of American technical specialists worked with us until the factory and its various production processes were up and running. To date we manufacture more than 4000 product references.

Our company has specialised from the very beginning in industry and in particular in the maintenance and lubrication sector. Far from being a craft activity, production becomes an important technical process, inspected by measurement and assessment systems.

The constant research, development and innovation of our technicians, their dedication and continuous work with small-scale pilot plant, has allowed us to have a deep knowledge of the parameters that differentiate the reactions, mixtures, dispersions and emulsions, in order to offer homogeneity in the mixtures and give adequate performance to the lubricants manufactured.

At present, all our products are manufactured and supervised under our quality system, complying with the UNE EN-ISO-9001 and 14001 standards. Elesa designs and manufactures specific preparations for certain customers.

At the same time, our technical department provides added value in the form of immediate personal attention, either on site or via the customer service line. We carry out lubrication studies, advice on reducing unnecessary stocks, analysis of new and used lubricants, applied engineering, training courses, etc.

Our team is highly qualified in engineering, chemistry, mechanics, economics, quality and environment with the ultimate goal of increasing the life cycle of products and the business relationship with our customers in their multiple sectors and to meet the demands of the very competitive and close global market.

We thrive on challenges and provide enhanced product performance through close contact with our market-leading additives suppliers, who differentiate between similar products. All this in line with safety, hygiene and environmental requirements.





CLEANING

VEHICLE CLEANING

DESCALING AGENTS

SOLVENT-BASED DEGREASERS

WATER-BASED CLEANING

ANTI-CORROSIVE/ TEMPORARY PROTECTIVES

RELEASE AGENTS

CONSTRUCTION AND REPAIR

THERMAL CIRCUIT TREATMENT

HYGIENISERS









**CLEAN IPA K1 Y K3
(N° 19)**

SOLVENT

- Displaces moisture
- Compatible with all metals
- Do not use on synthetic or plastic surfaces
- Ideal for electronic cleaning





PRODUCT		NATURE	DESCRIPTION
AFLOJATODO/ANTI-OXIDANT			
AFLOJATODO		MINERAL	<ul style="list-style-type: none"> • Excellent release fluid, anti-corrosive and wet film lubricant with very low residue. • Easily loosens seized metal parts, even rusted ones: nuts, pins, bolts, hinges... • Does not conduct electric current
ANTI-CORROSIVE			
PROTECT H1 LUB SECO (N°4)		MINERAL	<ul style="list-style-type: none"> • Specially for clean industries, kitchens and dry cleaners • Direct use • Protects stainless steel and eliminates belt noise • Loosens and lubricates leaving a fine, dry film
PROTECT NO RUST (N° 15)		MINERAL	<ul style="list-style-type: none"> • Powerful loosening agent. Protects electrical contacts and metals for long periods of time • High dielectric strength >22 Kv • Highly concentrated anti-corrosive; more than 150 hours in saline chamber at 52° • Protects against marine corrosion. Direct use
PROTECT GALVANIZADO (N°12)		MINERAL	<ul style="list-style-type: none"> • Anti-corrosive spray primer (zinc, laminate, aluminium, resins etc.) • Forms a high-performance coating with rust protection and corrosion protection • Specially for metal surfaces, welding touch-ups and galvanised surfaces • Adhesion on any surface



CLEANING



For your cleaning and maintenance needs on your equipment and machinery, Elsa Detergencia's degreasing and chemical cleaning products are the perfect solution to keep your facilities or vehicles in order. Our products are formulated with the latest technology to ensure thorough cleaning and to be respectful of your health and safety and the environment. Our products have been recommended by professionals in other industries for whom performance and reliability are essential. We evaluate our cleaners:

CLEANING CAPACITY

TOXICITY

EVAPORATION RATE

SURFACE RESISTANCE

In our catalogue you will find a wide range of products specifically designed to guarantee an efficient and professional cleaning. Always, before proceeding with any type of cleaning, the nature of the dirt (oils, greases...), the material of the surface to be cleaned (terrazzo, concrete, aluminium...) and the properties and nature of the cleaner (aqueous, solvent...), as well as the way the product is applied (manual, sprayed...)

All degreasers and cleaners improve their effectiveness always taking care of the correct cleaning steps and conditions by evaluating 'in situ' each case. Aqueous detergent products reduce their effectiveness in the presence of hard water, so always check the type of water used. For the cleaning process to be fully effective.

DETERGENTS have the property to dissolve and finely disperse dirt by emulsifying or dissolving it.

There is a type of detergent to be used depending on the type of dirt we want to clean at a concentration and/or temperature of use... In general they have good behaviour in hard water and have an anticorrosive action, in some cases they even eliminate the oxide layer between the surface and the environment.

Detergents comply with Regulation (EC) No. 648/2004 on biodegradability and are registered with the National Institute of Toxicology as well as other regulations.

GENERAL CLEANING								
PRODUCT	WHAT IT IS	ODOUR	COLOUR	DENSITY (g/cm³)	FLAMMABLE	APPLICATION TEMPERATURE	DOSAGE / USE	CHARACTERISTICS
ACETONE								
CLEAN BIO A 4 INTENSO	Extremely cleanable degreaser. alkaline nature based on biodegradable surfactants	No	Sky blue	1,07	No	5 to 90°C	Cold 5-20% - Hot 40-80°C 1-10%(Suitable for hard water)	• General cleaning of surfaces containing oil, grease, carbon and all types of dirt and grime • Restores original appearance • User and environmentally friendly
CLEAN BIO A 4 LIMON	Concentrated multi-purpose degreaser. Based on biodegradable solvents and surfactants	Lemon	Blue	1,04	No	5 to 90°C	Cold 5-20% - Hot 40-80°C 1-10%(Suitable for hard water)	• General cleaning of surfaces containing oil, grease, carbon and all types of dirt and grime • Restores original appearance • User and environmentally friendly
CLEAN BIO A 4 UNIVERSAL	Desengrasante concentrado hidrosoluble alcalino a base de tensioactivos biodegradables	No	Blue	1,01	No	5 to 90°C	UD	• General cleaning of surfaces containing oil, grease, carbon and all types of dirt and grime • Restores original appearance • User and environmentally friendly
CLEAN BIO GLASS	Limpia cristales concentrado con bioalcohol	Soft	Sky blue	0,98	No	-10 to 60°C	UD	• Cleans stains from mud, drilling oils, waxes from car wash tunnels, dirt, electrostatic charge dust, polycarbonates, methacrylates, metals and plastics • Fast evaporation
CLEAN BIO FOAM FREE	Desengrasante biodegradable con alto poder humectante	No	Blue	1,04	No	5 to 90°C	En frío 5-20% - En caliente 40-80°C 1-10%	• General cleaning of surfaces containing oil, grease, carbon and all types of dirt - Restores original appearance • Restores original appearance • User and environmentally friendly • Does not foam
CLEAN IPA	Alcohol isopropilico 75% (Denat)	Alcohol	-	0,584-1,184 (15°C g/cm³)	Yes	-	Según superficie	• Leaves no residue or odour. Displaces humidity • Cleans and disinfects electronic devices, lenses, textiles, taps, swimming pools, etc. • Removes glue residues, removes stains on wood and cotton. • Removes glue residues, removes stains on wood and cotton wool - Suitable for use in conventional and food industry • Suitable for use in conventional and food industries • Improves paint adhesion and fast evaporation
PRESTIGE	Solvent limpiador dieléctrico	Soft	-	0,745 (15°C)	Yes	-20 to 50°C	Según superficie	• For cleaning motors, circuits and electrical contacts, specially formulated to replace coloured solvents. • Cleaning of machinery, in-process parts, metal surfaces before painting, phosphate... • High dielectric strength • High solvent power without damaging the ozone layer • Low surface tension

VEHICLE CLEANING

PRODUCT	WHAT IS IT?	ODOUR	COLOUR	DENSITY (g/cm ³)	FLAMMABLE	APPLICATION T.	DOSIFICACIÓN / USO	CHARACTERISTICS
CLEAN AUTO PETROLEADO	Detergent specially formulated to remove dirt such as smoke, grease, mud, insects, bird droppings, vehicle bodies, industrial floors and workshops	Characteristic of	Blue	1,039	No	5 to 40°C	Pure or 50% in water (mandatory waste management)	<ul style="list-style-type: none"> Removes dirt such as grease fumes, mud, insects, bird droppings, industrial and workshop floors Suitable for use in automotive workshops, mechanical workshops, public works, industrial cleaning, etc. Performs well in hard water, removes electrostatic film from pollution, soluble in water at any temperature
CLEAN BIO PARABRISAS	Windscreen washer fluid for automotive windscreen washer tanks	Slight	Crystalline blue	0,98	No	-10 to 60°C	Direct use	<ul style="list-style-type: none"> General cleaning of surfaces containing oil, grease, carbon deposits and all types of dirt Restores the original appearance User- and environmentally-friendly
CLEAN BIO PARABRISAS FOAM FREE								
CLEAN BIO AK INTENSO (PARA LIMPIEZA BAJOS)	Degreaser with extreme cleaning power. Nature alkaline based on biodegradable surfactants	No	Sky blue	1,07	No	5 to 90°C	Cold 5-20% - Hot 40-80°C 1-10% (Suitable for hard water)	<ul style="list-style-type: none"> General cleaning of surfaces containing oil, grease, carbon deposits and all types of dirt Restores the original appearance User- and environmentally-friendly
CLEAN BIO AK UNIVERSAL (MULTIUSOS)	Concentrated water-soluble alkaline degreaser based on biodegradable surfactants	No	Blue	1,01	No	5 to 90°C	Direct use	<ul style="list-style-type: none"> General cleaning of surfaces containing oil, grease, carbon deposits and all types of dirt Restores the original appearance User- and environmentally-friendly
CLEAN BIO A1 LIMON	Concentrated multi-purpose degreaser. Based on biodegradable solvents and surfactants	Lemon	Blue	1,04	No	5 to 90°C	Cold 5-20% - Hot 40-80°C 1-10% (Suitable for hard water)	<ul style="list-style-type: none"> General cleaning of surfaces containing oil, grease, carbon deposits and all types of dirt Restores the original appearance User- and environmentally-friendly

PRESTIGE TECH Serie

Organic cleaners specially formulated for cleaning burnt residues, burnt plastics and elastomers, and heavily cured greases. All these products offer high cleaning performance; they can attack plastics, rubbers (check compatibility according to nature) and aged paints. products for direct use.

Important: When using these products, it is necessary to wear all the required PPE and avoid accidental spills, as well as disposing of dirty rags or paper in the appropriate container. To prevent workplace accidents, it is recommended not to place the product in containers that may contain water.

PRODUCT	DENSITY 15°C, kg/L	FLASHPOINT	CHARACTERISTICS
PRESTIGE TECH - DLL 4	0,75	28	<ul style="list-style-type: none"> Non-toxic Rapid biodegradability
PRESTIGE TECH - DLL 10	0,74	> 43	<ul style="list-style-type: none"> Specially designed for cleaning blowers Rapid evaporation
ORESTIGE TECH POLIURETANO	1,1	117	<ul style="list-style-type: none"> Cleans residues from polyurethane casting heads Rapid biodegradability
PRESTIGE TECH CAUCHO LD 1025 - 22	0,9	> 130	<ul style="list-style-type: none"> Cleans rubber moulding residues (wheels, sleeves) Can be used at 100°C Not biodegradable

MAINTENANCE



DESCALERS

PRODUCT	WHAT IS IT?	COLOUR	DENSITY (g/cm³)	FLAMMABLE	WATER SOLUBLE	NATURE	QUANTITY IN DIFFERENT USES	CHARACTERISTICS
CLEAN A3 CIRCUITO	Descaler and acid metal cleaner	Blue	1,1	No	Total	Acid	<ul style="list-style-type: none"> Cooling circuits: 1 part product x 10 water Cold: In proportions of 1 to 5 water Enamelled surfaces: Apply 2 or more times Aluminium: 5-20% product in water 	<ul style="list-style-type: none"> Combats scale and rust caused by water Protects metal treated with acids Increases performance Controls sediment and solubilises metal oxides Compatible with steel, galvanised steel and aluminium
CLEAN A3 CIRCUITO PLUS	Descaler, cleaner and scale inhibitor	Pale Yellow	1,05 ± 0,05	No	Total	Acid	<ul style="list-style-type: none"> Cooling circuit maintenance: Dosage 0.01% (100 ppm) Cooling circuit cleaning: Dosage 0.01-0.02% (100-200 ppm) 	<ul style="list-style-type: none"> Combats scale and rust caused by water Increases performance Controls sediment, solubilises metal oxides Compatible with steel, galvanised steel, copper, plastics, etc. Cleaning of automotive radiators
CLEAN A3 OXIDO	Deoxidiser and passivator	Blue	1,2	No	Yes	Acid	<ul style="list-style-type: none"> Cold: 10-20 parts product x 90-80 parts water Hot: Dilute to 5% Acidic cleaner-degreaser: 2-5% product in water 	<ul style="list-style-type: none"> Cleaning and deoxidation of sheet metal In the food industry, it allows for the acid cleaning of severe residues Aimed at surface treatment companies Does not attack aluminium, zinc, iron, cast iron and steel Excellent results in cleaning carbonaceous residues and very dry lacquers, subsequent rinsing required
CLEAN A3 OXIDO INTENSO	Deoxidiser and passivator	Blue	1,2	No	Yes	Acid	<ul style="list-style-type: none"> Cold: 10-20 parts product x 90-80 parts water Hot: Dilute to 5% Acidic cleaner-degreaser: 2-5% product in water 	<ul style="list-style-type: none"> CLEAN A3 OXIDE variant with higher concentration for heavy-duty work More aggressive than CLEAN A3 OXIDE

ANTI-CORROSIVE / PROTECTORS

PRODUCT	WHAT IS IT?	COLOUR	DENSITY (15°C g / cm³)	VISCOSITY	FLASHPOINT	CHARACTERISTICS
ANTIPROYECCIONES - ACU	Welding anti-spatter	Pink	1,0	2,5 (40°C cSt)	-	<ul style="list-style-type: none"> Excellent resistance to oxidation and aggressive environments Prevents welding spatter from sticking Very difficult to combust; insoluble in water, alcohols and most organic materials Non-stick on both the nozzle and metal surfaces Direct use
PROTECT METAL BASIC	Anti-corrosive and unblocking agent	Caramel	0,788	1,500 (25°C cSt)	50°C	<ul style="list-style-type: none"> Direct use on unprotected steel and iron surfaces Protection against corrosion and long-term storage during transport (including by ship) Displaces moisture and leaves a protective layer Applicable in all types of industry. High performance and polarity Provides a wet film with low residue Does not contain heavy metals Dielectric strength: >22Kv
PROTECT METAL PLUS	Anti-corrosive and unblocking agent	Caramel	0,8	2,1 (40°C cSt)	60 °C	<ul style="list-style-type: none"> Developed for the protection of metals, machinery, electrical equipment, etc. Removes moisture from metal surfaces and electrical contacts, even that produced by salt water Withstands more than 150 hours in a salt spray chamber and 60 days in a humid chamber without showing any signs of corrosion Can be applied to electrical equipment without risk of short circuits
PROTECT METAL EXTRA PLUS	Protective, lubricant and cleaner	Caramel	0,876	14,0 (40°C cSt)	> 65°C	<ul style="list-style-type: none"> Ultra-thin corrosion protection Moisture repellent and electrical insulator. Water repellent Easily loosens seized parts, even rusted ones Very high capillarity High cleaning power for grease, sludge, tar and oxides Dielectric strength: >25Kv
PROTECT METAL MOTOR BASIC	Water-based protective and anti-rust coating	Yellow -Green	1,1	4,30 (20°C g/cm³)	> 60°C	<ul style="list-style-type: none"> Does not leave an oily film Ready to use directly as a cooling fluid in industrial systems Dissolves in water in any proportion and forms transparent solutions High bacteriostatic power, highly stable and long-lasting solution Protects metals and does not produce foam

DESENGRASANTES BASE SOLVENT

PRODUCT	WHAT IS IT?	DENSITY	VISCOSITY	FLASHPOINT	CHARACTERISTICS
CLEAN BIO PEGAMENTOS	solvent - Powerful cleaner	1,09 (15°C kg/L)	2,45 (25°C cSt)	> 100 (108 typical)	<ul style="list-style-type: none"> • Colourless with a sweet smell • Biodegradable and ready to use • Especially for industry and automotive. Graphic arts, textiles, etc. • Removal of dry and difficult-to-clean residues • High performance and low surface tension
CLEAN COLA	Non-flammable industrial solvent	1,448 - 1,458 (to 20°C)	<1 (25°C cSt)	Non-Flammable > 60°C	<ul style="list-style-type: none"> • Specially designed for degreasing metals, including precision parts and polished surfaces • Ideal for cleaning electric motors and control panels • Versatile in industry: Textiles, paints, varnishes, mechanics, electrical... • Allows degreasing in liquid and vapour phases • Can be regenerated several times • Compatible with mineral oils and many synthetic oils • Dielectric strength: >35 Kv
CLEAN COLA PLUS	Non-flammable industrial solvent	1,099 g/cm³	<1 (25°C cSt)	Non-Flammable > 60 °C	<ul style="list-style-type: none"> • Same characteristics as CLEAN COLA but incorporates additives to intensify its descaling and solvent power; without modifying the rest of its qualities • Dielectric strength: >35 Kv
00 - 6	Industrial degreaser and cleaner	0,766 (15°C)	<1 (40°C cSt)	> 24°C	<ul style="list-style-type: none"> • Particularly suitable for cleaning parts in the mechanical industry and for cleaning adhesives in the wood and footwear industries • Does not leave marks and evaporates quickly • Flammable • Very low odour and low toxicity • Dielectric strength: 30 Kv
CLEAN H1 0	Hydrocarbon solvent	0,70 (15°C kg/L)	0,5 - 1,2 (25°C cSt)	< 10°C	<ul style="list-style-type: none"> • Cleaning of motors and electrical circuits • Odourless and low surface tension • Acts as a degreaser and is compatible with many types of materials • Non-toxic
CLEAN H1 1	Hydrocarbon solvent	0,75 (15°C kg/L)	<1 (25°C cSt)	41°C	<ul style="list-style-type: none"> • Cleaning of motors and electrical circuits • Odourless and low surface tension • Acts as a degreaser and is compatible with many types of materials • Non-toxic
CLEAN H1 2	Hydrocarbon solvent	0,769 (15°C kg/L)	1,69 (25°C cSt)	56 (61 typical)	<ul style="list-style-type: none"> • Cleaning of motors and electrical circuits • Odourless and low surface tension • Acts as a release agent and is compatible with many types of materials • Non-toxic • Dielectric strength: 53 kV without drying
CLEAN SOLVENT 040	Universal solvent	0,765 (15°C kg/L)	1,2 (25°C cSt)	40°C	<ul style="list-style-type: none"> • Colourless and low odour • For industrial and automotive equipment. Quickly and easily removes oil and grease residues Textiles, footwear, etc. • Rapid evaporation • Excellent compatibility with materials • Dielectric strength: 31.3 kV
CLEAN SOLVENT UNIVERSAL	Universal organic dielectric solvent	0,790 (15°C kg/L)	1,65 (25°C cSt)	61,5°C	<ul style="list-style-type: none"> • Non-flammable • For industrial equipment, automotive, electrical panels, textiles, toys, chipboard, etc. Excellent compatibility with materials • High cleaning power and low surface tension • Odourless • Biodegradable • Dielectric strength: 31.3 kV
ALCOHOL ISOPROPILICO	Pure alcohol for non-commercial analysis	0,7863 (to 20°C)	<1	12°C	<ul style="list-style-type: none"> • Water soluble • U.S.P. grade, making it suitable for use in the food industry where there may be contact with food

AQUEOUS-BASED DEGREASERS

PRODUCT	WHAT IS IT?	DENSITY	FLASHPOINT	CHARACTERISTICS
CLEAN BIO A4 UNIVERSAL UD	Aqueous degreaser	1,034 g/cm³ (20°C)	Non-flammable > 60°C	<ul style="list-style-type: none"> • Very low toxicity, but gloves must be worn when handling • Bacteriostatic properties, preventing the formation of unpleasant odours • Recommended to test before intensive use. • Suitable for cleaning aluminium, gold-plated metals, etc. • Excellent results in cleaning stainless steel; formaldehyde-free • Temporarily protects the metal surface (between 4 hours and 5 days depending on environmental conditions) • Ready-to-use product, no dilution required
CLEAN SUGAR	Aqueous Cleaner	0,97 g/cm³ (25°C)	>320°C	<ul style="list-style-type: none"> • Recommended for cleaning sugar build-up on chains, bolts, joints, cams, blades, packers, tipping systems, etc. • Does not leave cloth residue on stainless steel surfaces • Recommended in a 1:1 ratio with water or for direct use depending on the level of dirt

SPECIAL TREATMENT

PRODUCT	WHAT IS IT?	CHARACTERISTICS
ADITIVO MoS2	Anti-friction treatment	<ul style="list-style-type: none"> Reduces the coefficient of friction and improves sliding Reduces metal-to-metal contact, reducing wear and increasing the service life of components Able to withstand high loads and provides great stability Diamagnetic When exposed to humid air during storage, slight oxidation may occur, resulting in a noticeable increase in acidity Particle size: 0.65 - 0.75 microns
ADITIVO GRAFITO GSC	Anti-friction treatment. Solid graphite lubricant	<ul style="list-style-type: none"> Good resistance to temperature increases Reduces friction coefficient and improves sliding between metal surfaces, reducing wear on contact parts Resists abrasion corrosion Particle size: 18.3 microns
ADITIVO GRAFITO COLDIDAL	Graphite additive	<ul style="list-style-type: none"> Widely used in the metallurgical industry, refractory and/or coating industry, carbon brush industry, electrical industry, battery industry, chemical fertiliser industry catalyst and other high-tech industrial products Particle size: 4.5 microns
ADITIVO PTFE	White powder specially designed for use as an additive	<ul style="list-style-type: none"> High thermal stability; usable between -190°C and +250°C Low friction index that improves wear resistance and reduces seizing (eliminates stick-slip effect) Improves lubricity and extreme pressure Facilitates the demoulding of plastic and thermoplastic materials Prevents tearing during high-temperature demoulding. Improves the durability of the plastic material and its resistance to abrasion Dielectric, safe, non-flammable and water-displacing Particle size: 8 microns
ADITIVO PTFE FLUID	Stable dispersion of PTFE in mineral oil; use as a Teflon additive to mineral base oils	<ul style="list-style-type: none"> Improves the anti-wear and extreme pressure properties of lubricants Reduces electricity consumption
ADITIVO STOP RUIDO	Friction enhancer between metal components	<ul style="list-style-type: none"> Used in hydraulic systems and automatic transmissions where we do not want to lose adhesion between surfaces Eliminates noise by preventing the two parts in contact from slipping Most frequently used in machines with oil-immersed brakes Oxidation stability
ADITIVO GEAR LONG LIFE	E.P. additive developed for addition to gear oils	<ul style="list-style-type: none"> Added to metal gear oil boxes with a viscosity higher than ISO 150 Widely used in the automotive sector (prevents wear and tear on components, anti-corrosive and anti-rust) Low viscosity and provides extreme pressure Extends service life Low dosage Useful as an E.P. additive in gear oils, cutting oils and greases
ADITIVO GASOIL LOW TEMP	Additive that improves fluidity within the cold diesel tank	<ul style="list-style-type: none"> Protects down to -17 or -20°C depending on fuel quality Prevents the formation of paraffins that could clog filters
ACTICIDE CMG	Additive for the protection of diesel fuel and oil-based products	<ul style="list-style-type: none"> Prevents bacterial growth Applicable in aqueous cutting oils, coolant emulsions and lubricants Breaks down diesel fuel molecule chains, reducing their calorific value Formation of acids that subsequently cause corrosion pitting and wear on pistons and liners Lower thermal stability Can be added at any stage of the mixing/loading process, although protection is greater the earlier it is incorporated
ESTABILOX 800	Oxide Stabiliser	<ul style="list-style-type: none"> Viscosity 1.02 (20°C g/cm³) Forms a long-term protective layer that allows subsequent painting and improves adhesion Transforms iron oxides into insoluble and stable metal-organic complexes Excellent adhesion promoter

THERMAL CIRCUIT TREATMENT

PRODUCT	WHAT IS IT?	DENSITY	VISCOSITY 40°C cSt	FLASHPOINT	FREEZING POINT	BOILING POINT	CHARACTERISTICS
CLEAN OIL CIRCUITO	Machine cleaning oil	0,9 (g/cm ³)	36 - 45	> 121°C	- 36°C	420°C	<ul style="list-style-type: none"> Flushing oil in circuits that have contained mineral or synthetic oil Direct use Additives with strong solvent and anti-wear properties Not recommended for use as a lubricating oil

HYGIENISERS



PERSONAL CARE

PRODUCT	WHAT IS IT?	COLOUR	ODOUR	DENSITY	PURE pH	CHARACTERISTICS
CLEAN MANOS HIDROALCOHOLICO	Solución Hidroalcohólica higienizante de manos.	Colourless	Alcohol	0,960	5,1 - 7,6	<ul style="list-style-type: none"> • Viscous appearance • Does not irritate the skin or cause dermatitis. Eliminates viruses and bacteria by destroying the protective layer • Recommended for use in food handling areas • 70% alcohol and 5% vegetable glycerine • Also available in spray form
CLEAN DQI - 1 LIMPIADOR MULTIUSOS DIOX 100	Limpiador dióxido de cloro 100ppm	Light	Slight	1,02	2,78	<ul style="list-style-type: none"> • Water soluble • Specially designed for hands that work with grease, ink, coal and mud • Can be diluted in 2 parts water without losing its cleaning power

PRODUCT	WHAT IS IT?	ODOUR	CHARACTERISTICS
CLEAN GEL MANOS	Desengrasante	Citric	<ul style="list-style-type: none"> • Water soluble • Specially designed for hands that work with grease, ink, charcoal and mud • Can be diluted in 2 parts water without losing its cleaning power
CLEAN GEL MANOS PLUS	Gel viscoso con partículas	Pine	<ul style="list-style-type: none"> • Removes all types of oil, carbon deposits and industrial grease • Extremely high degree of cleanliness and has a softening effect on the skin
CLEAN PASTA MANOS	Pasta desengrasante	Fresh	<ul style="list-style-type: none"> • Non-abrasive • Highly effective for cleaning hands in workshops • Removes grease, ink and soot in particular • Leaves hands soft and fragrant



HI - TECH LUBRICANTS

elesa's maintenance products are always precision products

QUALITY AND PERFORMANCE + WE CARE FOR THE ENVIRONMENT

Electrofilm Española, S.A.
☎ +34 91 871 93 60
CIF: ES-A-28142735
www.elesalubricantes.com
electrofilm@elesalubricantes.com

DISTRIBUTOR



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