About us...

Since 1975, Condensia manufactures and sells, from its facilities in Barcelona, special esters for niche applications and custom products created for our clients, with whom we aim to build solid and long-lasting collaborations, based on mutual cooperation and trust, through a relationship that is always direct and communicative, honest, quick-responding and flexible.

Rising our presence in international markets entails focusing on our primary objectives: to grow in an environmentally friendly way, to bring added value to our customers, to maintain our spirit of continuous improvement, to optimize our resources and to never forget that the people who work at Condensia make this reality possible thanks to an institutional culture based on values such as respect, professionalism, integrity and teamwork.

Passion for chemistry

condensia

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Lubricants

Esters & Complex Esters

Lubricants

Condensia offers a broad range of esters used in various applications such as automotive and marine engine oils, compressor oils, hydraulic fluids, gear oils and grease formulations. They offer a wide range of viscosities and are characterized by:

- Excellent thermal capacity
- High viscosity index
- High flash point
- Improved lubricity
- Low toxicity
- High biodegradability
- Low volatilities
- Low pour point
- High solvency

Glylub® range esters are manufactured starting from high quality raw materials to guarantee industrial-leading specifications, consistent characteristics and absence of residues and impurities.
Our product portfolio includes:

Adipates

Ester based on adipic acid and linear or branched alcohol, designed mainly for low temperature applications, particularly suitable for 2/4 stroke engine lubricants and hydraulic fluids. They are characterized by high polarities making them excellent solvents.

Sebacates

Special purpose based on sebacic acid to offer excellent performance at very low temperature with a high lubricity property above all in two stroke engines. Sebacates are often added to Group III and IV based lubricants to improve additive solubility, reducing varnish, and extending fluid life.

Trimellitates

Additives specially designed for high temperature performance. They improve thermal resistance and volatility offering high viscosity, flash point and extremely low vapor pressure.

Phthalates

Additives obtained from phthalic anhydride and branched alcohols, designed for high profile applications are a good compromise among cost, performance and toxicity concerns. They can offer low pour point and good viscosity index.

Complex esters

Low molecular weight polymers used in special applications. Polymeric additives are characterized by outstanding properties such as migration and extraction resistance, wearing stability, high temperature performance and flash point, broad range of viscosity, negligible toxicity and environmentally friendly.

	CHEMICAL AND PHYSICAL PROPERTIES								MAIN APPLICATIONS									
	VISCOSITY (mm²/s @40ºC)	VISCOSITY (mm²/s @100ºC)	POUR POINT (ºC)	MINIMUM FLASH POINT (ºC)	HIGH TEMPERATURE PERFORMANCE	LOW TEMPERATURE PERFORMANCE	BIODEGRADA-BILITY OECD 301F	BIOBASED CONTENT (in weight)	COMP-RESSORS	GEARS	CHAINS	AUTO-MOTIVE	GREASES	METAL-WORKING	TEXTILE	HYDRAULIC FLUIDS	VISCOSITY MODIFIERS	DIELECTRIC FLUIDS
ESTERS																		
ADIPATES																		
Glyub 20 isodecyl adipate	15	3.8	-55	210	++	+++	>75%	0%	●		●		●	●	●	●		
Glyub 30 isotridecyl adipate	29	5.2	-45	230	+++	+++	>75%	0%	●	●	●	●	●	●	●	●	●	
Glyub 50 2-ethylhexyl adipate	8	2.5	-60	200	+	+++	>90%	0%	●				●	●	●			
SEBACATES																		
Glylub 54 2-ethylhexyl sebacate	13	3.6	-57	220	++	+++	>85%	60%	●	●		●	●	●	●	●		
TRIMELLITATES																		
Glylub 13 C8-C10 trimellitate	55	8.5	-45	270	+++	+++	>45%	70%	●	●	●	●	●			●		
Glylub 23 isodecyl trimellitate	140	14	-28	265	+++	++	>25%	0%	●	●	●	●	●		●	●		●
Glylub 33 isotridecyl trimellitate	300	24	-21	250	+++	+	>25%	0%	●	●	●		●		●		●	●
Glylub 53 2-ethylhexyl trimellitate	90	10.5	-30	240	++	++	>15%	0%	●	●		●	●			●		
Glylub 130 complex ester mixture	72	9	-47	260	+++	+++	>45%	70%	●	●	●	●			●	●		
PHTHALATES																		
Glylub 29 isodecyl phthalate	41	5.8	-48	230	++	+++	>85%	0%	●	●	●	●	●	●	●	●		
Glylub 39 isotridecyl phthalate	87	8.8	-42	247	++	+++	>74%	0%	●	●	●	●	●	●	●	●	●	
COMPLEX ESTERS																		
Glylub 305/X(*)	46 up to 450	n/a	-28 down to -58	240	++	+++	>75%	0%			●		●	●			●	
Glylub 502/X(*)	80 up to 1750	n/a	-15 down to -25	250	++	++	>75%	0%	●	●	●		●	●			●	
Glylub 6110	4100	n/a	-10	250	++	+	>85%	0%		●		●	●				●	
Glylub 824/X(*)	72 up to 220	n/a	-30	250	++	++	>85%	100%		●	●		●	●			●	
Glylub 970/X(*)	32 up to 460	n/a	-20	250	++	+	>85%	20%	●	●	●		●	●		●	●	

X(*) = Viscosity grade