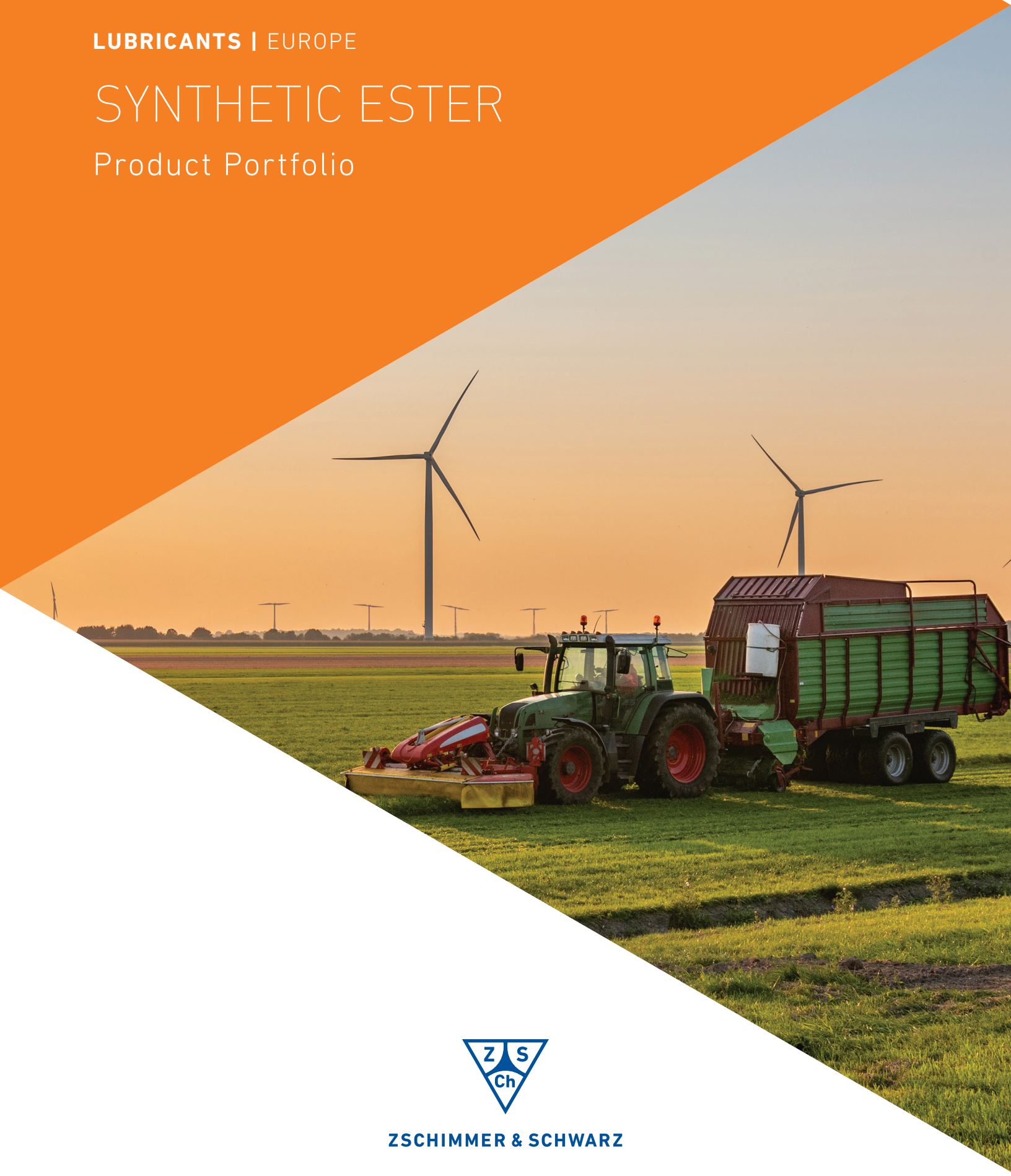
LUBRICANTS | EUROPE

SYNTHETIC ESTER

Product Portfolio



ZSCHIMMER & SCHWARZ

PRODUCT LINE AND SERVICES

The Lubricants Division of Zschimmer & Schwarz manufactures base stocks, additives and private-label lubricants that ensure the safe and efficient operation of equipment and industrial processes. We offer a wide range of synthetic esters that can be selected to meet the demanding requirements of industrial, automotive, marine and dielectric applications.

When challenging operating environments require a lubricant that is eco-friendly, food-safe, fire-resistant or bio-derived, we deliver high-performance components and formulated fluids. The division also produces a variety of specialty additives that reduce friction, prevent corrosion and emulsify components in water-based metalworking fluids.

PRODUCTS

- ESTERTEC® (VSP technology)
- LEXOLUBE® (specialty synthetic esters)
- LUBRICIT® (high-performance esters)
- MULSIFAN (non-ionic surfactants)
- PHOSPHETAL (EP/AW/surfactants)
- CUBLEN (EP/AW/chelating agents)
- PURTON (corrosion inhibitors)

FUNCTIONALITY

- Eco-friendly, biogenic, biodegradable base stocks
- Polarity for deposit prevention and seal conditioning
- Lubricity, antiwear, friction reduction, energy efficiency
- Dielectric insulation and heat transfer
- Surfactants, nonionic and anionic emulsifiers
- Corrosion inhibition
- Chelating agents, emulsion stabilizers

CHEMISTRY

- Monoesters, diesters
- Polyol esters, complex esters, polymeric esters
- Aromatic esters
- Glyceryl esters, sorbitan esters
- Phosphate esters, phosphonates
- PEG/PPG esters
- Carboxamides

APPLICATIONS

- **Industrial lubricants**: gear/chain, hydraulic, compressor
- **Metalworking**: forming, cutting, grinding, polishing
- **Agriculture/forestry**: tractor hydraulic, gear, grease
- **Driveline**: PCMO, HDDEO, ATF, MTF, AGO, grease
- **Marine**: stern tube, bearings, wire ropes
- **NSF food grade**: Kosher, Halal applications
- **Dielectric fluids**: transformer oil, immersion cooling, EVs



lexolube synthetic esters

For further information, please visit **zslubes.com**

ESTERTEC®, LEXOLUBE® and LUBRICIT® are tradenames of companies of the Zschimmer & Schwarz Group.

EsterTec synthetic esters

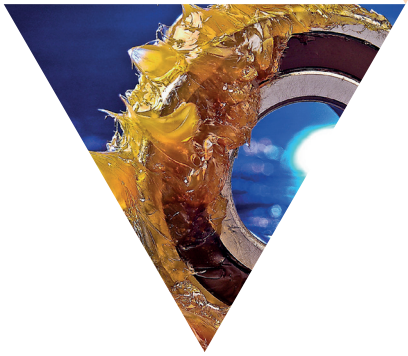
PRODUCT NAME	HIGH TEMPERATURE	LOW TEMPERATURE	FOOD GRADE	BIODEGRADABLE	ECOLABEL/VGP/ LUSC	METAL-WORKING	GEARS & CHAINS	GREASES	COMPRESSOR	ENGINE/ DRIVELINE	VISCOSITY @ 40C	VISCOSITY @ 100C	VISCOSITY INDEX	POUR POINT °C	FLASH POINT °C
Fatty Acid Esters															
LUBRICIT iC9-9	No	Yes	No	Readily		MW		GR			4.5	1.7	180	-75	185
LUBRICIT 2-EHL	No	Yes	No	Readily		MW		GR			5.2	1.8	127	-25	185
LUBRICIT 2-EHC	No	Yes	No	Readily		MW		GR			5.7	2.0	150	-25	180
LUBRICIT NBS	No	No	No	Readily		MW					6.4	2.2	195	20	195
LUBRICIT 2-EHO	No	Yes	No	Readily		MW		GR			8.2	2.7	190	-40	220
LUBRICIT 2-EHP	No	No	No	Readily		MW					8.5	2.7	176	0	215
LEXOLUBE HS-C	No	No	No	Readily		MW		GR			9.0	3.0	220	-5	195
LUBRICIT 2-EHS	No	No	No	Readily		MW					9.6	2.9	175	5	220
LEXOLUBE B-109	No	No	No	Readily	X	MW					16.5	4.2	165	0	240
Diesters															
LUBRICIT DOA	No	Yes	No	Readily		MW		GR	CO	ED	7.6	2.3	120	-50	215
LUBRICIT DIDA	No	Yes	No	Readily		MW		GR	CO	ED	14	3.6	145	-60	230
LUBRICIT DTDA	No	Yes	No	Readily		MW		GR	CO	ED	23	4.9	145	-55	245
LUBRICIT DTDA/1	No	Yes	No	Readily		MW		GR	CO	ED	27	5.4	135	-60	250
LUBRICIT 2-EHD/1	Yes	Yes	No	Readily		MW	GC	GR	CO	ED	93	13	140	-40	310
Polyol Esters															
LUBRICIT TMP C9	No	Yes	Yes	Readily	X	MW	GC	GR	CO	ED	21	4.6	140	-50	275
LUBRICIT TMP C18	No	Yes	No	Readily		MW	GC			ED	46	9.4	190	-40	325
LEXOLUBE 4N-415	No	No	No	Readily	X		GC		CO	ED	32	6.1	145	-5	300
LEXOLUBE POE-68HT	Yes	Yes	No	Non			GC	GR	CO		68	10.4	130	-40	300
LEXOLUBE PQ-68	Yes	Yes	No	Readily			GC	GR	CO	ED	68	8.6	100	-30	250
LEXOLUBE POE-100HT	Yes	Yes	No	Non			GC	GR			100	12.4	120	-35	300
LUBRICIT PEiC18	Yes	Yes	No	Readily			GC	GR			145	18	140	-30	320
LEXOLUBE 4PM-114	Yes	Yes	No	Non			GC	GR	CO		170	16	90	-30	275
LEXOLUBE 6NQ-617	Yes	Yes	No	Inherently			GC	GR	CO	ED	220	20	105	-25	300
LEXOLUBE POE-220HT	Yes	Yes	No	Non			GC	GR			220	19	100	-25	300
LEXOLUBE POE-350HT	Yes	No	No	Non			GC	GR			350	25	90	-15	300
MULSIFAN SMO-VEG	Yes	n/a	No	Readily		MW					404	24	75	0	270
Complex Esters															
LUBRICIT 9538	Yes	No	No	Readily		MW	GC	GR			140	22	180	-20	290
LUBRICIT 9538/1	Yes	Yes	Yes	Readily		MW	GC	GR			330	45	185	-40	325
LUBRICIT 9526	Yes	Yes	Yes	Readily		MW	GC	GR	CO	ED	330	45	185	-40	320
LEXOLUBE KL-435	Yes	No	No	Readily		MW	GC	GR			435	38	125	-30	320
LEXOLUBE CG-3000	Yes	No	Yes	Readily	X	MW	GC	GR			3000	260	230	-30	310
Food Grade Esters															
LEXOLUBE FG-8 HX1	No	Yes	Yes	Readily			GC				7.6	2.3	120	-50	215
LEXOLUBE FG-12 HX1	No	Yes	Yes	Readily			GC				12	3.3	165	-55	240
LEXOLUBE FG-15 HX1	No	No	Yes	Readily		MW					15	4.0	135	-15	235
LEXOLUBE FG-68 HX1	Yes	Yes	Yes	Non			GC	GR	CO		68	10	130	-40	300
LEXOLUBE FG-100 HX1	Yes	Yes	Yes	Non			GC	GR	CO		100	12	120	-35	300
LEXOLUBE FG-220 HX1	Yes	Yes	Yes	Non			GC	GR	CO		220	19	100	-25	300
LEXOLUBE FG-350 HX1	Yes	No	Yes	Non			GC	GR	CO		350	25	90	-15	300



SERVICES

Application technology support

- Tribology studies:
  friction, wear, extreme pressure, tapping torque
- Stability measurements:
  oxidative, thermal, hydrolytic, volatility
- Performance properties:
  foam, demulsibility, corrosion, filterability
- Physical properties:
  viscosity, flash/fire/pour points



Registrations

- NSF H1/HX-1
- Factory Mutual fire resistance
- EU Ecolabel/LuSC/VGP/VIDA
- IEC electrotechnical compliance
- Kosher – Halal
- USDA BioPreferred®

Fluid formulation

- Specialty performance levels
- Private-label products

ZSCHIMMER & SCHWARZ

Chemistry tailor-made

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