

LUBRICANTS

SYNTHETIC ESTER BASE STOCKS AND METAL- WORKING ADDITIVES

Product line and services



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. It offers a wide range of synthetic esters that can be selected to meet the demanding requirements of industrial, automotive, aviation and marine 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

- ▶ LEXOLUBE® (specialty synthetic esters)
- ▶ LUBRICIT® (high-performance esters)
- ▶ MULSIFAN (nonionic surfactants)
- ▶ PHOSPHETAL (EP/AW/CI/surfactants)
- ▶ CUBLEN (EP/AW/chelating agents)
- ▶ PURTON (corrosion inhibitors)

CHEMISTRY

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

FUNCTIONALITY

- ▶ Eco-friendly base stocks
- ▶ Deposit/sludge solubility, seal conditioning
- ▶ Lubricity, antiwear, extreme pressure
- ▶ Surfactants, nonionic and anionic emulsifiers
- ▶ Corrosion inhibition
- ▶ Chelating agents/emulsion stabilizers

APPLICATIONS

- ▶ Industrial lubricants:
gear, hydraulic, compressor, grease, metalworking
- ▶ Agriculture/forestry:
tractor hydraulic, chains, grease
- ▶ Automotive:
PCMO, HDDEO, ATF, MTF, grease
- ▶ Aviation:
turbine engine bearings, hydraulic, grease
- ▶ Marine:
stern tube, bearings, wire ropes
- ▶ Dielectric fluids:
transformer oil, immersion coolants

lexolube
synthetic esters

LEXOLUBE® and LUBRICIT® are trade names of companies of the Zschimmer & Schwarz Group.



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



SERVICES

Application technology support

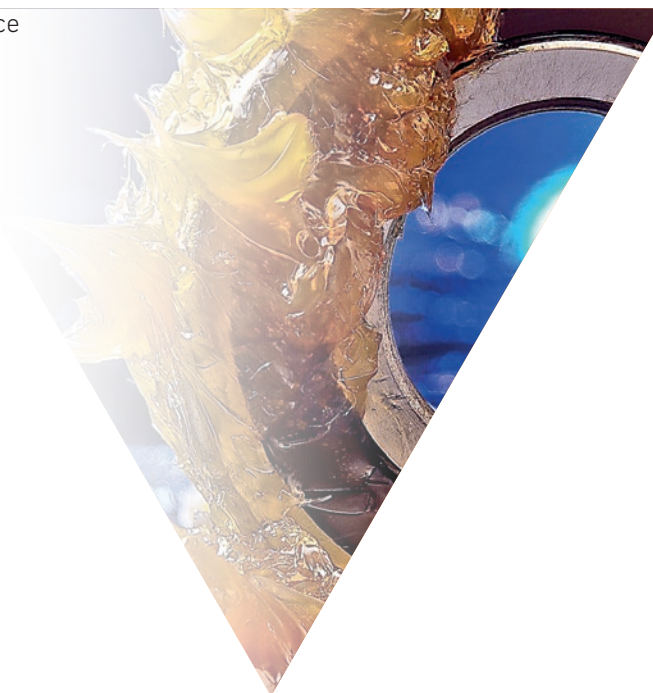
- ▶ Tribology studies:
friction, wear, extreme pressure, tapping torque
- ▶ Stability measurements:
oxidative, thermal, hydrolytic, volatility
- ▶ Performance properties:
foam, demulsibility, corrosion, filterability
- ▶ Physical properties:
viscosity, flash/fire/pour points

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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