



ECO₂ Base Fluids

ECO₂ Base Fluids

ECO Base 2628

ECO Base products are fossil-free, renewable and sustainable. They are derived from ethically sourced vegetable oils, processed into high quality iso-paraffinic base fluids. Starting with vegetable oils or other renewable raw materials, a hydro-isomerization process followed by further refinement are generating highly specified products. In addition to technical advantages, for every kg **ECO Base fluid** used, between 1.6 and up to 3.0 kg CO₂ are saved compared to fossil oil products. **ECO Base products** contribute to optimize your processes and applications and reduce the Global Warming Potential (GWP).

ECO Base 2628 can be used in a wide range of high-performance applications. It may be used as main component e.g. in transformer oils, EDM applications, concrete release agents and metal working fluids. It is further used as blending component e.g. in low temperature hydraulic fluids and green lubricants. **ECO Base** products can be used as extender oil e.g. in silicone sealants, printing inks, decorative coatings and more.

Benefits:

- Excellent miscibility with other oils and additives – easy implementation into your processes.
- Superior cold flow properties – for applications at low temperatures.
- Low aromatics & low sulfur – for manned production sites.
- Low viscosity – reducing pumping energy.
- Low volatility – for manned production sites.
- Reduced carbon footprint – less environmental impact.
- Biodegradable – where contamination is a risk.
- FDA 21 CFR 178.3620 classification B

ECO Base 2628

Properties			min	max
Density, 15 °C	kg/m ³	EN ISO 12185	771	781
Flash point	°C	EN ISO 2719	110	
Aromatics	mg/kg	UOP 495		400
Pour Point	°C	ASTM D97		- 57
Pour Point	°C	ASTM D7346		- 65
Kinematic Viscosity, 40 °C	mm ² /s	EN ISO 3104	2.69	3.00
Distillation, IBP	°C	EN ISO 3405	240	275
Distillation, FBP	°C	EN ISO 3405	290	
iso-Paraffins	% m/m	GC-MS	90	
n-Paraffins	% m/m	GC-MS		10
Sulfur	ppm	EN ISO 20846		<0.5

Haltermann Carless Deutschland GmbH

Schlingendeich 17
21107 Hamburg
Germany

phone: + 49 40 333 18 0
mail: ecoproducts@h-c-s-group.com

PASSION PRAGMATISM PARTNERSHIP

www.haltermann-carless.com