

# ECOCUT / PLANTOCUT

Neat cutting fluids for all of your metal removal needs



LUBRICANTS.  
TECHNOLOGY.  
PEOPLE.



ECOCUT and PLANTOCUT neat metalworking fluids are designed for the latest ecological and workplace exposure considerations. They meet and exceed demands for efficient and cost-effective metalworking applications from light grinding and sawing through severe metal removal operations on every type of alloy. Overall, these fluids are formulated to offer:

- Optimum heat transfer and lubricity
- Extended tool life
- In-process corrosion prevention and protection of machines
- Environmental compliance and high operator acceptance

The ECOCUT 8000 Series are new fluids with proven technology to meet all types of applications and substrates with a high ease of product selection. The ECOCUT 8100 and 8200 series are dual purpose fluids.

PLANTOCUT fluids are based on modified vegetable-based raw materials and advanced boundary and extreme pressure lubricity additives. The modified nature of these fluids significantly increases sump life and prevents gelling that is common in most vegetable-based fluids. The PLANTOCUT SR Series is effective for all metal substrates and applications. The PLANTOCUT SHD Series is formulated for the most severe applications with ferrous substrates.

ECOCUT LE fluids are low emission cutting and grinding fluids that resolve issues with pronounced misting and evaporation that are common with conventional fluids. Formulated with premium base oils, ECOCUT LE fluids stand out with their excellent economy, air quality, reduced fire and explosion hazards, extended service life and reduced consumption.

ECOCUT SYN AND MIKRO fluids are specifically formulated for Minimum Quantity Lubrication (MQL) and are approved by leading equipment manufacturers. Overall, they provide a high ease of spraying, optimum droplet characteristics, excellent lubrication and low odor.



Product	Characteristics		
	40°C, cSt	Flash Point, °F	Active Sulfur
<b>ECOCUT V30</b>	4		
<b>ECOCUT 8110</b>	10	358	
<b>ECOCUT 8210</b>	10	351	✓
<b>ECOCUT 8310</b>	10	320	✓
<b>ECOCUT 8410</b>	10	316	✓
<b>ECOCUT 8122</b>	22	410	
<b>ECOCUT 8222</b>	22	387	✓
<b>ECOCUT 8322</b>	22	361	✓
<b>ECOCUT 8422</b>	22	351	✓
<b>ECOCUT 8132</b>	32	399	
<b>ECOCUT 8232</b>	32	399	✓
<b>ECOCUT 8332</b>	32	374	✓
<b>ECOCUT 8432</b>	32	396	✓
<b>ECOCUT 8146</b>	46	433	
<b>ECOCUT 8246</b>	46	387	✓
<b>ECOCUT 8346</b>	46	379	✓
<b>ECOCUT 8446</b>	46	379	✓
<b>ECOCUT 8168</b>	68	428	
<b>ECOCUT 8268</b>	68	399	✓
<b>ECOCUT 8368</b>	68	421	✓
<b>ECOCUT 8468</b>	68	399	✓
<b>PLANTOCUT 10 SHD</b>	10	390	✓
<b>PLANTOCUT 10 SR</b>	10	383	
<b>PLANTOCUT 22 SHD</b>	22	381	✓
<b>PLANTOCUT 22 SR</b>	22	444	
<b>PLANTOCUT 32 SHD</b>	32	428	✓
<b>PLANTOCUT 32 SR</b>	32	433	
<b>PLANTOCUT 46 SHD</b>	46	435	✓
<b>PLANTOCUT 46 SR</b>	46	440	
<b>EOCCUT HFN 5 DC</b>	5	275	
<b>ECOCUT HFN 10 LE</b>	10	340	
<b>ECOCUT 710 LE</b>	10	345	✓
<b>ECOCUT HFN 13 LE UNI</b>	13	381	
<b>ECOCUT HFN 16 LE</b>	16	380	
<b>ECOCUT SYN 6000</b>	7	338	
<b>ECOCUT MIKRO 6000</b>	20	200	
<b>ECOCUT MIKRO 3000</b>	34	590	
<b>ECOCUT SYN 5600</b>	42	600	

✓ - Present | • - Satisfactory | • - Preferred

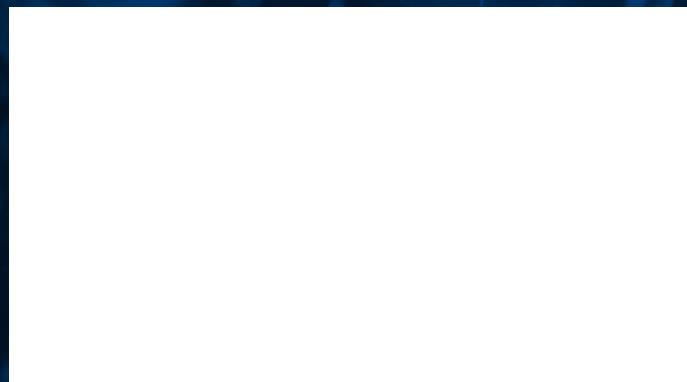
Characteristics Point, °F			Substrate / Applications										
			Ferrous					Cast Iron		Aluminum			Yellow
Chlorine	Low	Dual Purpose	EDM	Honing	Grinding	Light Duty	Heavy Duty	All	All	Light Duty	Heavy Duty	Heavy Duty	All
<b>General Machining</b>													
✓	✓	●	●	●	●	○	○	○	○	●	●	○	●
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✓		●	●	●	●	●	●	●	●		●		●
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<b>Synthetic Vegetable Based</b>													
		●	●	●	●	●	●	●	●		●		●
		●	●	●	●	○	○	○	○	●	●	●	●
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		●	●	●	●	●	●	●	●		●		●
<b>Low Emission Fluids</b>													
✓	✓	●	●	●	●	○	○	○	○	●	●	●	●
✓	✓	●	●	●	●	○	○	○	○	●	●	●	●
✓		●	●	●	●	●	●	●	●		○		
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✓	✓	●	●	●	●	○	○	○	○	●	●	●	●
		●	●	●	●	●	●	●	●		●		●
<b>Minimum Quantity Lubrication (MQL)</b>													
			●					○		●			
			●					○		●			
			●					○		●			
			●					○		●			

## Innovative lubricants need experienced application personnel

Every lubricant change should be preceded by expert consultation on the application in question. Only then the best lubricant system can be selected. Experienced FUCHS engineers will be glad to advise on products and process optimization for the application in question.



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