



SPECIALTY CHEMICALS / BIODEGRADABLE AQUEOUS LUBRICANTS

AmberLube™ EC Series



The AmberLube EC Series are water-based, heavy duty lubricants that do not contain volatile organic compounds (VOCs) or ozone depleting substances (ODSs). They are recommended in the tube bending, swaging, stretch forming and skin forming of ferrous and nonferrous metals such as aluminum, titanium and stainless steel. They also contain special anti-corrosive agents to protect form tools, dies, mandrels and bending tools from harmful oxidation. AmberLube EC's anti-wear lubricants reduce scratching, galling and metal to metal contact.

TYPICAL PHYSICAL PROPERTIES

AmberLube Product	EC	EC98	EC90	EC60
Specific gravity @ 20°C	1.06	1.06	1.07	1.06
Lbs/gallon	8.83	8.85	8.90	8.81
pH (5% solution)	8.1	8.1	8.1	8.1
Viscosity, cP @ 20°C*	19,500	9,700	1,540	297
Flash point, °F (PMCC)	>200°F			
VOC, g/kg	0.0			

*Brookfield viscosity

RECOMMENDED PROCESS PARAMETERS

AmberLube EC products are supplied ready to use and do not require dilution. Apply AmberLube EC lubricants in a manner consistent with typical process fluids. They can be rinsed effectively with warm deionized water or soft water. If cleaning is preferred, a mildly alkaline cleaner such as AmberClean L12A is recommended.

AVAILABLE PACKAGING

55 gallon drums, 5 gallon pails, 1 gallon containers

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FEATURES AND BENEFITS

- Provides excellent lubrication for heavy duty forming applications
- Non-aggressive toward aluminum, ferrous and other metal alloys
- Pleasant smelling and do not require ventilation during use
- Synthetic formula facilitates cleaning and waste treatment
- Water soluble and will not leave films or residues
- Will not degrade cleaning solutions as readily as traditional oil or solvent lubricants
- Do not contain oil, nitrites, sulfur, chlorine, DEA, glycol ethers or any other hazardous solvents

SURFACE CONDITIONING

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