



SPECIALTY CHEMICALS / SYNTHETIC EP METALWORKING COOLANT

AmberCut™ 383B



AmberCut™ 383B is a 100% synthetic, non-toxic, biodegradable metalworking coolant containing extreme pressure additives. Recommended uses include the medium to light duty machining of most metals, composites and ceramics. AmberCut™ 383B utilizes special lubricants which yield excellent surface finish, minimal defectivity and extended tool life. AmberCut™ 383B contains a unique corrosion protection package that is effective for use on ferrous and non-ferrous metals and prevents galvanic and dissimilar metal corrosion. Its unique formula contains very low levels of ionic contaminants, such as chloride and sulfate. AmberCut™ 383B is very low foaming and designed to minimize misting. It also contains a broad spectrum biocide, making it excellent for use in recycled coolant sumps.

TYPICAL PHYSICAL PROPERTIES

Appearance	Clear, blue liquid
Specific gravity, 20°C	1.08
Lbs/gallon	9.04
pH (concentrate)	8.90
Flash point	>200°F
pH (5% dilution in deionized water)	8.40
VOC content	0.0 g/l
Theoretical oxygen demand	0.75 gO ₂ /g

RECOMMENDED PROCESS PARAMETERS

Recommended dilution is from 4:1 to 15:1, depending on the severity of the machining application. AmberCut™ 383B can be used effectively with hard, soft or deionized water.

AVAILABLE PACKAGING

55 gallon drums, 5 gallon pails, 1 gallon containers

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FEATURES AND BENEFITS

- Extreme pressure additives provide excellent lubrication for high speed machining
- Chemical properties enhance surface finish and extend tool life
- Clear working solution offers excellent work piece visibility, does not become milky
- Can be micro filtered to remove metal fines and other contaminants
- Does not contain emulsifiers (Will not emulsify oils)
- Does not contain nitrites, sulfur, chlorine, phenols, DEA, environmentally harmful or carcinogenic compounds

SURFACE CONDITIONING

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