

PRODUCT INFORMATION

A PRODUCT OF AMERICAN CHEMICAL TECHNOLOGIES, INC.



SpectraCut Series

Semi-Synthetic Metalworking Fluids

DESCRIPTION:

The **SpectraCut Series** are semi-synthetic metalworking fluids which provide superior performance for critical to general-purpose applications. Their unique blend of highly polar ingredients provide the necessary balance of cooling and lubrication properties needed for extensive tooling and grinding wheel life. The **SpectraCut Series** are micro-emulsions that readily mix with water, contain highly effective corrosion inhibitors and are free of nitrites, chromates and phenols. The **SpectraCut Series** leaves a non-tacky film that prevents “freezing” of moving components.

BENEFITS:

- Highly resistant to bacterial attack
- Operator friendly
- Excellent hard water stability
- Versatility and flexibility
- Excellent corrosion protection
- Low misting
- Maintains machine cleanliness
- Easily recyclable

REFRACTOMETER READINGS:

	1107	6840	6900	6912	ME+
2 %	1.5	1	1.25	1	0.75
4 %	3	1.75	2.5	2	1.5
6 %	4.5	2.5	4	3.25	2.25
8 %	6	3.25	5.25	4.25	3
10 %	8	4	6.5	5.5	3.75

APPLICATION & USAGE:

Starting Dilutions

Tapping, Reaming, Sawing	10:1/20:1
Milling Drilling, Turning	10:1/40:1
Grinding	30:1/50:1

Specific concentrations should be recommended by an American Chemical Technologies sales engineer or technical representative.

SpectraCut Series

PACKAGING:

SpectraCut Series products are available in 5 gallon pails, 55 gallon drums or bulk quantities

STORAGE AND HANDLING:

SpectraCut Series products can be stored either indoors or outdoors. If outdoor storage is used, the product should be brought to room temperature prior to use. SpectraCut Series is non-irritating and non-toxic when used for coolant applications. It is NOT for internal consumption.

DISPOSABILITY:

Non-biodegradable ingredients must be removed prior to disposal. Standard and conventional waste treatment methods, acid-alum and ultrafiltration can be used to meet local, state and federal requirements.

PROPERTIES:

	Test Method	SC1107	SC6840	SC6900	SC6921	SCME+
Concentrate Appearance		Clear, Amber	Clear, Amber	Clear, Amber	Clear, Amber	Clear, Amber
Dilution Appearance		Opaque	Translucent	Translucent	Translucent	Clear
Specific Gravity @ 25 °C	ASTM D1298	1.031g/cm ³	1.003g/cm ³	1.017g/cm ³	1.019g/cm ³	1.047g/cm ³
Density @77 °F	ASTM D1298	8.58 lbs/gallon	8.35 lbs/gallon	8.47 lbs/gallon	8.48 lbs/gallon	8.72 lbs/gallon
pH - 5% in water	ASTM E70	9.2	9.1	8.8	9.2	8.8
Chlorine, wt		None	None	None	7%	None
Active Sulfur, wt		None	None	None	None	None
Polar Additives, wt		None	2%	9%	2%	None
Oil, wt		30%	10%	20%	20%	15%
Metal Compatibility	All Metals	All Metals	All Metals	All Metals	All Metals	All Metals
Additive 300 (for increased bioresistance & water stability)		No	Yes	No	Yes	No

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