

PRODUCT DATA SHEET

DAVID WEBER OIL CO.

601 Industrial Road • Carlstadt, NJ 07072 | 201.438.7333 phone | 201.438.3178 fax
www.weberoil.com

Gibraltar Synthetic Coolant S-122

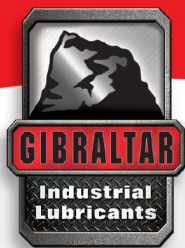
Oil-Free HD Synthetic Cutting & Grinding Fluid

Gibraltar Synthetic Coolant S-122 is a heavy-duty, oil-free, full synthetic metalworking fluid that offers outstanding machining performance, corrosion control, and a long sump life. This coolant can be used on a variety of metals including steels, cast iron, and aluminum in operations ranging from grinding to turning to milling.

Gibraltar Synthetic Coolant S-122 has been designed for machining most metals except magnesium. As it is oil-free, **Gibraltar Synthetic Coolant S-122** can be used in most misting units for machining and grinding operations.

Gibraltar Synthetic Coolant S-122 provides the following benefits:

- Superior machining lubrication
- Chlorine, nitrite and phenol free
- Excellent cooling and lubricity
- Low-foaming, high speed and pressure safe
- Extended tank life
- Hard water tolerant



PRODUCT DATA SHEET

DAVID WEBER OIL CO.

601 Industrial Road • Carlstadt, NJ 07072 | 201.438.7333 phone | 201.438.3178 fax
www.weberoil.com

MIXING AND CONCENTRATIONS

Concentration	4%	5%	6%	7%	8%	9%	10%
Dilution Ratio	1:25	1:20	1:17	1:14	1:12	1:11	1:10
Refractometer Reading	1.3	1.6	1.9	2.2	2.6	2.9	3.2

When mixing coolant, it is best to use an automatic proportioner which accurately and thoroughly mixes coolant. To maintain recommended concentration, make-up or top-off should be added at one-half of the desired concentration. Never add concentrate directly to the machine; this could cause inverted emulsions.

<u>Applications</u>	<u>Concentration</u>	<u>Ratio</u>	<u>Refractometer</u>
Milling, Drilling, Turning	5%-10%	1:10 - 1:20	1.6 - 3.2
Centerless, ID, OD, Surface Grinding	4%	1:25	1.3
Tapping, Sawing, Reaming	10%	1:10	3.2

TYPICAL PROPERTIES

Appearance - Concentrate	Blue Liquid
Appearance - Dilution	Translucent Blue
Residual Film	Soft, Fluid
pH @ 5%	9.5 +/- 0.2
Specific Gravity	1.024+/- 0.03
Lbs./Gal	8.7 +/- 0.1
Flash Point, PMCC	None