Lubricor Inc.
engineered for performance

Product Data Sheet

HYDROSOL 5035HB

GAME-CHANGING SEMI-SYNTHETIC COOLANT

Description:

HYDROSOL 5035HB is a high performance, ultra-stable semi-synthetic metalworking coolant yielding exceptional results. With its progressive engineering the all new **HYDROSOL 5035HB** isn't just different from any other coolant – it's nothing short of game-changing. **HYDROSOL 5035HB** has been engineered to be ultra-stable and deliver exceptional tool life leading to reduced cycle times and increased throughput resulting in significant savings for the end user, not to mention no Monday morning odors.

Yet underneath its unique chemistry it delivers all the prerequisite demands of high performance coolants such as safe to use, operator friendly, great bio-stability, excellent rust protection, low foaming characteristics and long life without odors. **HYDROSOL 5035HB** was specifically engineered for machining of all types of metals, both ferrous and non-ferrous including cast iron, steels, stainless steel, titanium and aluminum. **HYDROSOL 5035HB** is chlorine-free.

Performance benefits:

- **NO ODORS -** Excellent resistance to bacteria **-** High Biostability – Long sump life. Much lower disposal costs.
- **SUPERIOR FOAM CONTROL – l**ow foaming even at high pressures, thus low foam stable.
- **EXCELLENT CLEANLINESS -** Designed to reject tramp oils, provides clean parts and keeps machines clean.
- **EXCELLENT CORROSION PROTECTION –** Designed to protect non-ferrous metals from staining and prevent bi-metallic corrosion. Compatible with most metals.
- **EXCELLENT COOLING –** Through better surface wetting, HYDROSOL 5035HB helps improve dimensional accuracy and surface quality.
- **EXTENDED TOOL LIFE** – Designed for medium to heavier duty applications containing a superior lubricity package that allows tools to perform at their maximum capacity leading to shorter cycle times.
- **HEALTH & SAFETY –** Low odour, low misting, mild to skin, parts and machinery. This product has been designed with the operator in mind.
- **ECOSYSTEM –** Recyclable. No carcinogens, no formaldehyde releasers, no Triazine, no nitrites.

Applications:

	Cast Iron	Alloy Steels	High Alloy and Stainless Steels	Aluminum Alloys	Yellow Metals
Milling	✓	✓	✓	✓	
Drilling	✓	✓	✓	✓	
Turning	✓	✓	✓	✓	
Reaming	✓	✓	✓	✓	
Tapping	✓	✓	✓	✓	
Broaching	✓	✓		✓	
Grinding	✓	✓	✓		

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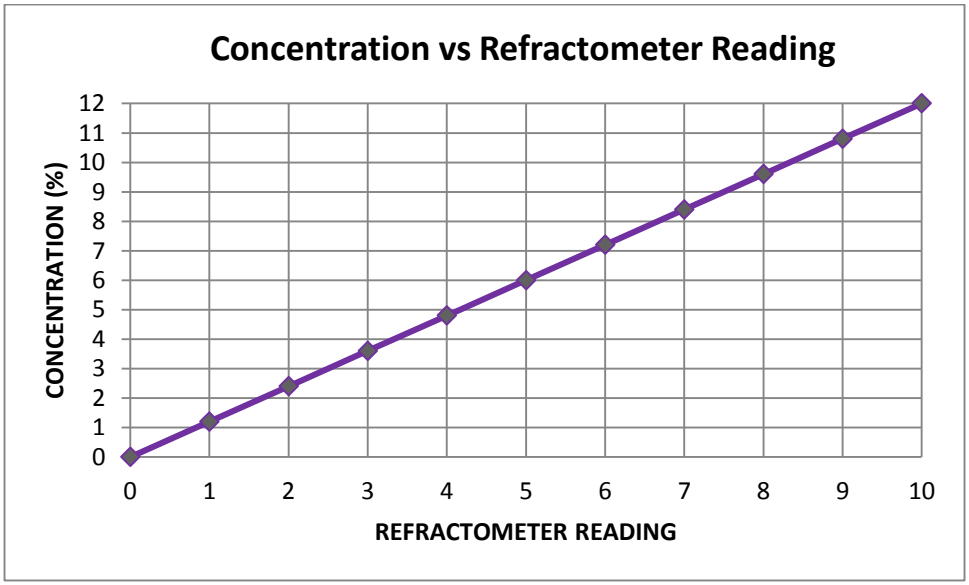
Characteristics:

	Typical Value
Appearance of Concentrate	Blue liquid
Appearance of Dilution	Blue Translucent to Opaque
pH of Dilution	Operating 9.2 for 5% sol.
Specific Gravity	0.96
Density	8.15 lbs/gal
Chlorine	No
Nitrites,	No
Phenols	No

Fluid Maintenance:



Typical starting dilution for **HYDROSOL 5035HB** is 5% for most applications and the range is between 4% and 12% depending upon metal being machined and type of machining operation. For concentration control use refractometer; calibrate refractometer with water often, must read 0.0. Always add coolant to water. Typical use concentrations:

Grinding ----- 4 to 6% **Machining** --- 5 to 10% **Tapping and broaching** --- up to 12%

The information contained in this bulletin is to our best knowledge, true and accurate, but all recommendations or suggestions are made without guarantee, since the conditions of use are beyond our control. Lubricor Inc. disclaims any liability incurred in connection with the use of these data, suggestions and product.

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