

Gensol B

Semi-Synthetic Cutting and Grinding Fluid

Description

Gensol B is a semi-synthetic, multipurpose, water miscible cutting and grinding fluid that has been developed to eliminate a number of problems in metal cutting workshops. In formulating Gensol B several important factors have been taken into consideration. These include:

- Multipurpose application - Economy in usage - Fluid Stability
- Safety for the operator - Resistance to microbial infection
- No unpleasant odours - Corrosion prevention - Ecological acceptability

Three factors govern the efficiency of a cutting fluid; concentration, service life and versatility in application. In this regard Gensol B is superior when compared with other traditional and cheaper products. Due to lower operating concentrations less fluid is used, biostability ensures longer problem free service and because of its multipurpose ability it can be used in a wide range of applications. In service prolonged skin contact with cutting fluids by the operator is unavoidable, therefore factors such as skin sensitivity and compatibility are essential and major considerations in selecting a water soluble machining fluid. Furthermore as conservation of the environment increases, tighter control of undesirable chemicals will follow. Gensol B is free from sodium nitrite and phenols, does not contain any other toxic material and satisfies the requirements of health and safety regulations.

Application

Gensol B is a general purpose cutting/grinding fluid that when used in the proper solution is suitable for a wide range of cutting and grinding operations including automatic machines on both ferrous and non-ferrous metals. The strength of the emulsion may vary from 1:10 for turning, milling, boring or sawing to 1:50 for grinding. Good housekeeping prolongs the life of the emulsion. **NOTE:** Gensol B must be mixed correctly in order to form a stable emulsion. It must be added to water whilst stirring.

Benefits

- Improved cutting performance & superior surface finish.
- Excellent protection against rust and corrosion.
- Optimum pH for skin protection & environmentally safe.
- Multipurpose convenience.
- Very good resistance to bacteria.

Typical Physical Characteristics

Gensol B	
Viscosity, cSt @ 40 °C	226
Neutralization No., mg KOH/g	26,7
Total Base No., mg KOH/g	50,6
pH (3% solution)	8,5/9,5
Density @ 20 °C, kg/l	1,011
Colour, Visual	Blue

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Due to continual product research and development, the information contained herein is subject to change without notification. Refer to the Material Safety Data Sheet (MSDS) for information on the safe handling and use of this product.

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