

# BLUE COOL LN1462

## Synthetic metal working fluid

**BLUE COOL LN1462** is a concentrated synthetic coolant formulated to meet the demands of single stroke honing, grinding, milling, drilling, pressing, stamping and turning. Far superior to conventional oils in reducing or eliminating work piece temperature build up caused by these operations.

**BLUE COOL LN1462** contains no dangerous nitrites, phenols, nitrates, mercurials, PCBS, PTTBA, and chlorinated paraffins. Recommended for both ferrous and non-ferrous parts.

**BLUE COOL LN1462** is the coolant for your needs. It is well suited for central system and transfer line applications. Can also be used in individual sump applications.

### FEATURES

1. Good lubricity and cooling. Allows high feed and speeds in moderate-duty operations due to excellent lubricity and effective heat reduction and dissipation during the chip formation process. These properties result in increased tool life and consistent part quality.
2. Economical. Being a true synthetic, very low makeup concentration is required to maintain recommended dilution. Carry off on parts and chips are far less than with oil based metalworking fluids - a particularly important consideration in central system applications.
3. Great rust preventative qualities when used with ferrous metals.
4. Safe to use with non-ferrous metals.
5. Has good filterability - forms a good cake on positive filters, reducing media usage; filters well in all types of filtration systems. Rust inhibitor package is extremely effective in preventing in process rust on machines and parts.
6. Pleasant to use. Little smoke; no slippery film on parts, machines, or floors; extremely low misting; mild to the skin when used as recommended; no ammonia odours. Leaves a soft residual film that is easily rinsed.

### PHYSICAL and CHEMICAL PROPERTIES

Appearance	Thin Blue liquid
Solubility in water	100%.
Specific gravity	1.07
Boiling Point	100°C
Flash point	Non flammable
pH concentrate	9.5
Total chlorine/chloride	Nil
Mercurials, PCBS, PTBEA	Nil
Phenol's, silicones, nitrites, chlorinated paraffins	Nil

## **DIRECTIONS FOR USE**

**BLUE COOL LN1462** is to be mixed with water for use (add concentrate to water).

<b>For machining and grinding operations</b>	1 part of Blue Cool to 20 - 40 parts of water
<b>Reaming, Deep Hole Drilling</b>	1 part of Blue Cool to 10 - 30 parts of water
<b>Single stroke honing and honing of steel</b>	1 part of Blue Cool to 10 - 16 parts of water
<b>General Machining</b>	1 part of Blue Cool to 15 - 30 parts of water
<b>Broaching and Milling</b>	1 part of Blue Cool to 5 - 20 parts of water
<b>Sawing</b>	1 part of Blue Cool to 25 - 70 parts of water
<b>Drawing</b>	1 part of Blue Cool to 1 - 50 parts of water