

# MAGCOOL 5830

## ROLL FORMING SYNTHETIC LUBRICANT

MagCool 5830 is a heavy-duty, fully synthetic roll forming fluid. This product has been designed to provide a high degree of lubricity, cooling and flushing for roll forming operations.

This product provides excellent protection against the corrosion of steel and protects against the staining of aluminum.

### FEATURES

- Does not contain petroleum distillates
- Compatible with steel alloys, aluminum alloys, copper alloys and stainless steels.
- Can be used in hard or soft water
- Provides good rust protection
- A heavy-duty synthetic lubricant
- Easy maintenance
- Quick contaminate separation
- Provides excellent cooling
- Rejects tramp oil rapidly
- High lubricity value

Consult the appropriate safety data sheet

### DESCRIPTION

MagCool 5830 is a synthetic, water miscible liquid coolant for machining both ferrous and non-ferrous metals. This product is compatible with stainless steel, carbon steel, cast iron, alloys, and non-ferrous alloys.

### APPLICATIONS

It is recommended that MagCool 5830 be applied using a roll coater. This product can also be applied via a drip system. For spray applications, an airless spray system is recommended and system compatibility testing is required prior to product use.

### RECOMMENDED DOSAGE

The degree of dilution depends on the type of metal and the difficulty of the operation.

Recommended dilutions for roll forming steel, stainless steel and copper alloys:

Light deformation: 5-15%

Severe deformation: 20-40%

Recommended dilutions for roll forming of aluminum alloys:

Light deformation: 5 - 10%

Severe deformation: 10-15%

The dilutions are suggested as starting rates which normally assure reliable performance. Dilutions may be altered depending on the specific job or plant requirements. Always start in a clean machine that is chemical free.

### TECHNICAL DATA

Appearance: green liquid

Odor: soap

pH at 1%: 8.9

Relative density: 1.04

Flash point: nil

Pour point: 0°C (32°F)

Freeze/thaw: unstable

Viscosity at 40°C(104°F): < 5 cSt

Refractive index: 1.90

For information 1 800 363 9929  
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Information contained in this product sheet is indicative of production standards and does not constitute specifications. Each user is responsible to review the information in specific context of the planned use, and apply it safely using safety data sheets to ensure its compatibility with the system's components and materials.  
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