



# Macson 457 Synthetic Coolant

MACSON 457 SYNTHETIC COOLANT is a new generation in lubricant chemistry for stamping, blanking and drawing of aluminum, steel, stainless steel, and wire drawing of Nitinol.

**It has a biostable synthetic lubricant system with biostable and oxidation stable performance ingredients. These ingredients were chosen because of their better lubricity and overall performance over conventional fat-soap products.**

The product provides improved cleanliness and long coolant life.

## FEATURES:

The lubricity and wetting characteristics of the product reduces metal fines. Performance is based on total product concentration and not fat-soap content. Long solution life is built in with biostable additives. Special corrosion inhibitors prevent oxidation of the newly drawn metal surface and washes off readily. There is no chlorine or sulfur and very low volatile organic content. It is stable in hard water.

## RECOMMENDED USES:

Use MACSON 457 at 30% for aluminum fin press stamping.  
Use MACSON 457 at 30 – 50% drawing stainless.  
Use MACSON 457 at 20 – 30% for Nitinol wire drawing.

## TYPICAL PRODUCT SPECIFICATIONS

Specific Gravity, @ 60° C.	- 1.024
Flash Point, C.O.C.	- NONE
Color	- clear blue liquid
Weight/gallon	- 8.54
pH	- 9.7
Refractometer factor	- 0.3

## SOLUTION CONTROL:

Dilutions of MACSON 457 can be determined using an optical refractometer such as American Optical No. 10440.

Refractometer Reading (BRIX): Each percent concentration of product reads .30 on the Brix scale. A 30% dilution would read 9 on the scale. This method is used for rapid in plant control of solution strength.

## PRODUCT SAFETY:

For complete safety and health information, consult the current Material Safety Data Sheet (MSDS)