

# 722 FLUID

**NEW**

## Coolant cutting fluid.

For metallographic sample preparation, a small piece is removed from a specified zone of a larger piece. For cutting operations, it is very important to use the correct cutting wheel and the right coolant to ensure minimum microstructural damage from excessive heating and plastic deformation. An ideal coolant has a good cooling efficiency to avoid excessive heating of the part while lubricating the cutting action. It should also have an optimum viscosity to flow freely.

### Description

LAM PLAN's Cutting fluid 722 is a synthetic, mineral oil-free water-miscible coolant that has been tested and validated for sectioning with abrasive cutting wheels. The properties of the coolant are suitable for sectioning with the least microstructural damage for a reliable metallographic analysis.

### Applications

While the cutting fluid 722 has been designed primarily for cast irons and steel alloys, it can be used for cutting other metals as well.

### Benefits

- The 722 cutting fluid contains anti-corrosive agents to inhibit corrosion in the machine.
- The fluid provides a rinsing action that keeps the machine clean, therefore, ensuring a longer machine life.
- The fluid doesn't foam so it can be used in high-pressure applications in both hard and soft water.
- The product does not contain Extreme-Pressure additives containing sulfur, chlorine, zinc or phosphorus, boron compounds, nitrite, nitrite releasing substances, secondary amines, diethanolamine, nitrosamines, formaldehyde, formaldehyde-releasing substances, heavy metals, PCP, PCB, PCT, TCDD or other dioxin-containing substances.

### Usage

Cutting fluid 722 should be diluted in water to between 4% and 7%. It is optimum to use a dilution of 5% (3 liters of coolant + 57 liters). It should be ensured that the cutting fluid is thoroughly mixed with water.



To control the correct fluid dosage use the REFRACTOMETER Code 60 CT900 10



### Business data

Packaging	5 liter canister
Code	07 50722 50

### Typical physical properties

Type	Emulsion
Appearance concentrate	Yellow
Appearance emulsion	Translucent, yellowish
Density at 20°C	1,12 g/cm <sup>3</sup>
PH in use	8,7 - 9,2
Refractometer factor	1,6



Safety data sheets