

723 FLUID

NEW

Specialized cutting fluid

For metallographic sample preparation, a small piece is usually sectioned off from a bigger part at an appropriate location. For sectioning operations, it is very important to use the right cutting wheel and the right coolant to ensure minimum microstructural damage from overheating and plastic deformation.

Description

LAM PLAN cutting fluid 723 is a synthetic water-miscible coolant that has been approved for sectioning non-ferrous metals. This fluid provides excellent lubrication and optimal cooling so that the material's microstructures are not damaged during the cutting process.

The cooling efficiency of cutting fluid 723 avoids overheating while lubricating the cutting action. It also has an optimum viscosity enabling it to flow freely.

Applications

Cutting fluid 723 is recommended for cutting titanium alloys and inconels.

The properties of cutting fluid 723 also make it suitable for cutting non-ferrous alloys and carbides.

Benefits

- The cutting fluid 723 contains lubricating agents which improve the quality of the cut surface and also the life of the cutting wheel.
- Cutting fluid 723 contains anticorrosive agents to inhibit corrosion of the parts and the machine.
- Excellent filterability owing to the rapid separation of fine particles from the liquid.
- The fluid produces less foam and improves visibility of the piece in the cutting chamber.
- The fluid provides a good rinsing action that keeps the parts, vices, and the machine clean, therefore, ensuring a longer machine life.
- Free from boron, chlorine, secondary amines, formaldehyde and phenol liberators

Usage

Cutting fluid 723 should be diluted to 5% in water. We advise a dilution of 3 liters of coolant with 57 liters of water. The measurement of the concentration of the solution with the refractometer is 3.6° Brix. After dilution, it should be ensured that the cutting fluid is properly mixed with water.



To ensure the correct fluid concentration use the REFRACTOMETER Code 60 CT900 10



Special cutting fluid for titanium, inconel and other non-ferrous alloys and carbides.

Business data

Packaging	5 liter canister
Code	07 50723 50

Typical physical properties

Type	Emulsion
Appearance concentrate	Yellow
Appearance emulsion	Translucent, yellowish
Density at 20°C	1,1 g/cm ³
PH in use	9,1
Refractometer factor	1,4



Safety data sheets