

# MOL Synaxol 200

## biostable grinding fluid



MOL Synaxol 200 is a water-miscible synthetic bio-stable metalworking fluid containing boron. The product is free from mineral oil, it contains emulsifiers and corrosion inhibitors. It is recommended to use mixing equipment for preparing the emulsion. The concentrate is always added to the water during agitated mixing. The concentration of the prepared emulsion should be checked by using a refractometer. Due to a balanced formulation containing amine and boric acid, the product is resistant to biological contamination, and a long operating life can be achieved with suitable handling. Refractometer factor: 1.2. The cleanliness of the system is a determining factor in terms of the operating life of the emulsion, so it is recommended to use MOL Netsol SC system cleaner before every replacement. Resistance to micro organisms can be ensured by maintaining a minimum emulsion concentration of 4-5 % (V/V).

Machining	Application concentration
Machining	4-10
Grinding	3-5
Temporary corrosion protection	5-10

### Application



Grinding of ferrous, light and non-ferrous metals

Chip forming machining of spheroidal graphite and grey cast iron

Pressure testing of tubes, radiators etc., leak detection

### Features and benefits

Light, transparent appearance

The fluid's transparency does not deteriorate, even when the water hardness is lower than 100 ppm Ca content

Ready miscibility with water

Simple and quick emulsion preparation

Excellent corrosion protection

Extreme long term protection of steel and non-ferrous metal parts

Effective washing and rinsing properties

Effectively contributes to keeping machines, tools and workpieces clean

Excellent filterability

Reduced maintenance costs and environmental impact

Stability against microbial infection

Long charge drain period, pleasant working environment and cost efficiency

Mild odour

More comfortable working environments

Free of nitrites and secondary amines

Beneficial in terms of workplace health requirements

### Specifications and approvals

EMAG  
ISO 6743-7: L-MAG

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### Properties

Properties	Typical values
Density at 15°C [g/cm <sup>3</sup> ]	1,160
Emulsion pH value (3% (V/V) / 12 dH°)	9,3
Emulsion foaming characteristics (3 % (V/V) / 12dH°)	
- foam volume promptly (3 % (V/V) / 12dH°) [cm <sup>3</sup> ]	50
- foam vanishing time (3% (V/V) / 12dH°) [s]	10
Anticorrosion effect - Filter-paper test (3% (V/V) / 12 dH°) [grade]	0
Appearance of emulsion (3% (V/V) / 12dH°)	water-clear

The characteristics in table are typical values of the product and do not constitute a specification.

### Storage and handling instructions

Store in the original container in dry, properly ventilated area. Keep away from direct flame and other sources of ignition. Protect from direct sunlight. To preserve the original quality keep the suggested storage temperature. During transport, storage and use of the product follow the work safety instructions and environmental regulations relating to mineral oil products.

In the concentration specified for use and in case of keeping the health safety rules, the emulsions are not harmful to human health and do not cause skin affection.

For further details please read the Material Safety Data Sheet of the product.

In the original container under the recommended storage conditions: 24 months

Recommended storage temperature: +5°C - +40°C

### Ordering information

Custom Tariff Number 34039900

#### SAP code and packaging:

13005365	MOL Synaxol 200 10LA	10 l plastic can
13005364	MOL Synaxol 200 X60KG	60 l steel drum (for order only)
13005363	MOL Synaxol 200 220KG	216.5 l steel drum

#### Order booking:

Please contact your local distributor or sales partner for ordering details.