

Technical Data Sheet

Multidraw KTL N 16

Product description

- mineral oil containing drawing and punching oil
- non water-miscible
- with synthetic greasing agents
- contains phosphorous and sulphurous additives
- free from silicone oils
- with corrosion inhibitors
- good compatibility with different lacquer systems of the cathodic immersion painting

Approval

Multidraw KTL N 16 fulfils the requirements of the VDA (German association of the automotive industry) performance specifications of all German automotive manufacturers according to VDA standard 230-201. It is approved for applications by all members of the VDA. The application of **Multidraw KTL N 16** is especially recommended for supplying press shops as for spot lubrication it fulfils the procedural requirements off all members of the VDA.

Characteristics

Colour / DIN ISO 2049:	lighter 5.0
Density/15°C / DIN 51 757:	900 kg/m ³
Viscosity/40°C / DIN 51 562:	160 mm ² /s
Flash point (Cleveland) / DIN ISO 2592:	> 200 °C

Application

Due to its high quality components **Multidraw KTL N 16** is especially suitable for the chipless sheet metal forming of aluminium, steel and zinc coated steel of all kinds, from medium to difficult forming, mostly in the automotive industry.

For non-ferrous heavy metals it is only suitable to a limited extent.

20931

03/2015-20931-13

The statements made in this publication are according to our present knowledge. They do not absolve the user from own examinations. A legally binding assurance of certain properties or suitability for a specific use can not be derived from our statements. Possibly existing laws and regulations concerning the handling and use of our products have to be observed by the receiver of our products himself.

1 / 2

Technical Data Sheet

Multidraw KTL N 16

Multidraw KTL N 16 is recommended for spot lubrication of parts treated with our prelube Multidraw PL 61.

Besides excellent drawing results **Multidraw KTL N 16** guarantees outstanding corrosion protection and high ageing stability.

The product can be applied manually as well as by automatic rolling or spraying systems without any problems. All usual application systems which are on the market at the moment can be used. We would be pleased to help you with selecting the system. When changing from water-miscible forming lubricants to **Multidraw KTL N 16** Divinol Spülfluid should be used to clean the application system.

It is not necessary heating **Multidraw KTL N 16** before applying it. However, the spraying pressure can be reduced by heating the product to 40 or 50 °C. In that case, you have to make sure that there is no local overheating (cracking). For easy forming operations we recommend application amounts of up to 1.5 g/m², for difficult forming operations of up to 3 g/m².

Degreasing

According to our experience, no additional degreasing is required before the pre-treatment of the cathodic immersion painting bath - if the product is applied evenly in amounts of up to 3 g/m².

Degreasing with aqueous-alkaline cleaners is possible, if necessary, without problems.

Then, however, the corrosion protection will be washed off.

For the transport of degreased sheets we recommend one of our Multicor anti-corrosion agents.

20931

03/2015-20931-13

The statements made in this publication are according to our present knowledge. They do not absolve the user from own examinations. A legally binding assurance of certain properties or suitability for a specific use can not be derived from our statements. Possibly existing laws and regulations concerning the handling and use of our products have to be observed by the receiver of our products himself.

2 / 2