



## **Aral Emulsol 230**

### **Water miscible grinding lubricant**

#### **Applications:**

Aral Emulsol 230 is a very stable, high mineral oil content, water miscible soluble oil. The excellent bacterial resistance and the endurance of the emulsions is reached through the synergetic working preservative combination. Aral Emulsol 230 is free from secondary amines. Through the product's special design, a production of stable nitrosamine is not to be expected even under unfavorable conditions. The requirements of the TRGS 611 are fulfilled completely.

Aral has successfully submitted this product to the strict requirements of the high-quality standard DIN EN ISO 9001. This certification gives you an additional safety assurance with this products quality and the service that can be expected from Aral.

#### **Operational area:**

Aral Emulsol 230 is a universally usable, high mineral oil content product for various machining operation procedures and metal grades. Aral Emulsol 230 is used where a higher emulsion stability and a advanced corrosion protection are demanded.

#### **Technical Data**

|                         |                    |             |             |
|-------------------------|--------------------|-------------|-------------|
| Concentrate             |                    |             |             |
| Colour                  |                    |             | brown       |
| Density at 20 °C        | g/ml               | DIN 51757   | 0,942       |
| Viscosity at 20 °C      | mm <sup>2</sup> /s | DIN 51562   | 150         |
| Mineral oil content     | %                  | DIN 51417   | 72          |
| Emulsion                |                    |             |             |
| pH value at 5%          |                    | DIN 51369   | 9,2         |
| Corrosion protection    |                    |             |             |
| Herbert test            |                    | DIN 51360-1 | 2% SO/RO    |
| Chip/filter paper       | Korr. Grad.        | DIN 51360-2 | 4% rating 0 |
| Foaming characteristics |                    |             | good        |
| Refractometer factor    |                    |             | 0,95        |

#### **Remarks:**

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All data is subject to development for the product and the production process.

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