



PRODUCT-INFORMATION

1. Product Name

MECHANO-LUBE® 1D8

2. Product description

MECHANO-LUBE® 1D8 is an innovation in the field of water based lubricants for forging. Thanks to the optimized surface tension, the product can be sprayed much better and finer, resulting in a complete die cover. MECHANO-LUBE® 1D8 can therefore be used more economic. Foam formation occurs neither during dilution nor during stirring.

Due to its composition, MECHANO-LUBE® 1D8 does not build up an inorganic layer and does not tend to bond the ejectors. The product contains no silicates (waterglass). It is easy to dilute and has an extended shelf life. The special ground graphite ensures a low friction coefficient. MECHANO-LUBE® 1D8 can be precipitated or recycled in waste water purification plants with conventional precipitants. Another novelty of MECHANO-LUBE® 1D8 is re-usability after frost damage. The dispersion can be stirred up again after thawing and can be used.

3. Applications

- Forging shops (cold, warm and hot forging)
- Forged parts with deep gravities

4. Properties

- Sticks on hot surfaces
- For all manual and automatic spraying systems (airspraying and airless)
- Heat resistance
- Uniform wetting
- High stability
- No heavy metals, no phosphates, no silicates
- Nonflammable, safe to use, safe to store
- Non-corrosive
- Odorless (Ammonia free)
- VOC and APEO free



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5. Technical data

Property	Specification	Unit
Solid content	30.0±1	Wt. %
Particle size D ₅₀	<5.0	µm
Carrier	water	
Diluent	water	
Ionogenity	slightly anionic	
Density	1.20	g/ml
pH	8-11.4	

6. Dilution

MECHANO-LUBE[®] 1D8 is supplied as a concentrate and can normally be diluted with ordinary tap water prior ready to use.

7. Storage

MECHANO-LUBE[®] 1D8 should not be exposed to direct sun. Protect against frost. Shelf life under normal storage conditions 12 month. Container must be tightly closed again after use to prevent contamination and loss of water.

Remark: Profit from our long-lasting experience in the field of hot metal forming and contact us. We are ready to assist you.

Information provided on this technical data sheet indicates the approximate physical and chemical properties of the material. No warranty is made either expressed or implied regarding the accuracy or the results to be obtained from the use of such information.