



PRODUCT-INFORMATION

1. Product Name

MECHANO-LUBE[®] 1VP18

2. Product description

MECHANO-LUBE[®] 1VP18 is a technical innovation in the field of water based lubricants for the hot metal forming process. It has been developed to solve the Leidenfrost problem and to improve the spreading properties on very hot surfaces. Due to the improved spraying properties MECHANO-LUBE[®] 1VP18 provides complete die coating and higher efficiency by reduced consumption. The outstanding formulation does not create foam during dilution and stirring. Special property of this dispersion is the high content of very fine ground and special processed graphite. MECHANO-LUBE[®] 1VP18 is extremely versatile and performs well over an extremely wide range of operating conditions. The dispersion has a shelf life of 9 month without stirring. The special processed graphite shows a low friction coefficient and sticks even on very hot surfaces. MECHANO-LUBE[®] 1VP18 can be isolated with normal precipitation procedure of waste water treatment.

3. Applications

- Forging shops, hot metal forming
- Forged parts with deep gravities
- Production of self-lubricating coatings
- Mold releasing agent, bras, steel, aluminum
- Stainless steel

4. Properties

- Sticks on hot surfaces
- For all manual and automatic spraying systems (airspraying and airless)
- Heat resistance
- Uniform wetting
- High stability
- Compatible with most water based dispersions
- No heavy metals or phosphates
- Nonflammable, safe to use, safe to store
- Non corrosive
- No build up in die cavity
- No foam
- Odorless (Ammonia free)
- VOC and APEO free



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5. Technical data

Property	Specification	Unit
Solid content	30,0	Wt. %
Particle size D ₅₀	<3,0	µm
Carrier	water	
Diluent	water	
Ionogenity	Slightly anionic	
Density	1,20	g/ml
pH	10,0	

6. Dilution and storage

MECHANO-LUBE[®] 1VP12 is supplied as a concentrate and can normally be diluted with ordinary tap water prior ready to use.

The product should not be exposed to direct sun. Shelf life under normal conditions 9 month.

7. Service

It is our commitment to provide the best service. Our technical staff will be happy to serve 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.