



PRODUCT-INFORMATION

1. Product Name

MECHANO-LUBE[®] 1VP12

2. Product description

MECHANO-LUBE[®] 1VP12 is a water based graphite dispersion for the hot metal forming process. Special property of this dispersion is the high content of very fine ground and special processed graphite. MECHANO-LUBE[®] 1VP12 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[®] 1VP12 can be isolated with normal precipitation procedure of wastewater treatment.

3. Applications

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

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
- 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	
Ionogenicity	slightly anionic	
Density	1.20	g/ml
pH	8-11.4	

6. Dilution

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

7. Storage

MECHANO-LUBE[®] 1VP12 should not be exposed to direct sun. Protect against frost. Shelf life under normal storage conditions and under original seal 12 month. Container must be tightly closed again after use to prevent contamination and loss of water.

Remark:

In case the product is frozen it can be reused after thawing and stirring. VP12 is the only lubricant which can be saved after freezing.

Profit from our long-lasting experience in the field of forging and contact us. We are ready to assist you.