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## PRODUCT INFORMATION

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### 1. Product Name

MECHANO-LUBE<sup>®</sup> 1M2

### 2. Product Discription

MECHANO-LUBE<sup>®</sup> 1M2 is a lubricant powder in instant form. This product was special developed for mandrel bar lubrication. The unique property of this product is the special treated graphite and the additives. The graphite is special refined and purified crystalline natural graphite. MECHANO-LUBE<sup>®</sup> 1M2 provides outstanding pressure and temperature stability as well as low friction coefficient. Selected additives enable an easy dispersibility in water and excellent adhesion on different mandrels including chromium-plated mandrels. No buildup after rolling process and no carburization. MECHANO-LUBE<sup>®</sup> 1M2 is stable against contamination with descaling agents. It can be applied with all common spraying systems such as airspraying and airless systems.

MECHANO-LUBE<sup>®</sup> 1M2 is environmental friendly and biodegradable.

### 3. Applications

- Mandrel bar lubrication for seamless tubes (MPM, FM, Assel)
- Billet coating
- Briquetting

### 4. Properties

- Outstanding adhesion on different surfaces (Chromium plated mandrels))
- For all spraying systems (airspraying and airless)
- Temperature- and pressure stable
- Good wetting
- Stable (conc. and diluted)
- Miscible with most of other water based lubricants
- No heavy metals or phosphates
- No waste water problems (bio degradable)
- Non flammable
- Non corrosive
- VOC and APEO free



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### 5. Technical data

Solid content (active mass):	100%
Consistency:	gray/black powder
Bulk density:	ca. 320g/Liter
Viscosity (25% solid in Water):	ca. 30 Sec. (EN/ISO 2431- 6 mm)
Odor:	odorless

### 6. How to prepare a dispersion

Tap water quality until max. 14°dGH can be used.

Carefully add the calculated quantity of MECHANO-LUBE<sup>®</sup> 1M2 (depending on the required quantity) into mixing tank equipped with a stirrer and containing the right quantity of water and mix thoroughly. Using dissolvers or jetstream mixers fits best. Dispersion is ready after 60 minutes stirring time.

The ration between powder and/or water enable you to produce the solid content of your choice up to 30 % solid content.

### 7. Storage

MECHANO- LUBE<sup>®</sup> 1M2 should be stored in a cool dry place.

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