

## Petadd MD(TF)

### Technical Fine Grade Molybdenum Disulfide

#### Description

Petadd MD(TF) is a technical fine grade molybdenum disulphide intended for use as a 'solid', dry lubricant. This product excels when used as a lubricating material due to its layered structure, low friction coefficient, and relative robustness. This product is also highly stable in oxidising environments.

#### Application

- Commonly used as a dry lubricating additive in greases and for sintered metal parts.
- May be used as a cocatalyst for desulfurization.
- May be used a hydrogenation catalyst readily converting nitro compounds to amines.

#### Typical Properties

Property	Typical	Min.	Max.
Appearance	Black powder	-	-
Active Ingredient (%m)	-	98.0	-
Median Particle Size (D50, µm)	-	3.0	6.0
Acid Insolubles (%m)	-	-	0.50
Molybdenum Trioxide Content (%m)	-	-	0.10
Silicone Dioxide Content (%m)	-	-	0.10
Water Content (%m)	-	-	0.10
Oil Content (%m)	-	-	0.40
Carbon Content (%m)	-	-	0.60
Acid Number (mgKOH/g)	0.50	-	-

#### Storage and Handling

Store in original packaging in a cool, dry, well-ventilated place. Keep away from sources of heat and ignition. Handle in accordance with good industrial safety and hygiene practice. Consult the SDS for further information.

*The information contained within this publication is based on the present state of our knowledge. Any recommendations or conclusions are made without liability on our part. Values shown are typical and should not be construed as specification limits.*