

## **MOSIL MF – 100tc**

### **Metal Free Thread Compound**

Mosil MF – 100tc is a premium metal free low friction lubricant based on microsize amorphous synthetic graphite, polymers and natural occurring other proprietary solid lubricants. It provides excellent performance under extreme pressure to prevent galling and seizure of threaded connections for drill pipe and tool joints. This is free from lead, zinc, copper and other heavy metals which makes it more environmental acceptable. Proprietary solid lubricants and EP additives provide extreme high film strength and weld load to the compound thus making it suitable for extreme drilling conditions during downhole make up and lubrication of open gear assemblies subjected to very high load like jack up systems and skidding systems.

#### **AREA OF APPLICATION**

Recommended for use on all threaded connections in Oil Field, Drill Collar, Drill Pipe, Tools etc.

Also recommended for lubrication of Jack up Rig Leg, Racks and Pinions and Skidding applications.

#### **BENEFITS**

- ➔ Free of heavy metals
- ➔ Reduces seizures when excessive drilling torque is encountered.
- ➔ Prevents galling and seizure.
- ➔ Protects all rotary shouldered connections under hostile drilling condition.
- ➔ Excellent frictional characteristics help tighten the connections at desired stress levels

**PACKING:** 20 Kg Pail, 180 Kg Barrel

Owing to evolving packaging solutions, user is requested to kindly check the availability of a specific pack size prior to standardization.

#### **Mosil Lubricants Private Limited**

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Regd Office:166/1, KALANIDHI, Sion(West), Mumbai - 400 022|CIN # U23200 MH 2000 PT C124177



<u>Sr</u>	<u>Characteristics</u>	<u>Typical Values</u>
1.	Appearance	Smooth Grease
2.	Fluid Type	Petroleum
3.	Color	Black
4.	Specific Gravity, 20°C MSTM IN - 16	1.2 ± 0.1
5.	Flash Point of Base Oil, °C ASTM D - 92	> 230
6.	Drop Point, °C ASTM D - 566	> 200
7.	NLGI	# 1
8.	Worked Penetration ASTM D - 217	310 – 330
9.	Copper Strip Corrosion ASTM D - 4048	ASTM 1a
10.	4 Ball Weld Load, kg ASTM D - 2596	1000
11.	Temperature Range, °C	-20 to 200 (Dry Lubrication)
12.	Friction Factor API RP 7A1	1.0

Material Safety Information required for safe usage of this product may not be included in this product bulletin and may be sought by contacting MOSIL. Users are advised to go through the Material Safety Data Sheet (MSDS) of this product prior to application / usage of this product.

All statements and information contained in this document are based on the laboratory testing and user experience on actual applications. Owing to the exhaustive possibility of application for which this product may be used and the variety of equipments, performance parameters, environmental conditions and unpredictable human factors, we strongly recommend that this product be tested on the actual application prior to its standardization. All information contained herewith is offered in good faith but without any expressed or implied warranty. This Product Bulletin may already have been revised considering the availability of raw components, legislation, user experience & expectations and enhancement of knowledge of the development team of MOSIL. Users are requested to kindly seek the latest version of this product bulletin by contacting MOSIL. Information provided in this Product Bulletin is based on the generalised expectations and requirements of users. Additional information for this product may also be sought by contacting MOSIL.

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