UNPCHEMICALS

FRICTION MODIFIER

MSAIL® ORGANIC MOLYBDENUM SERIES

Luoyang Pacific United Petrochemical Co., Ltd.
UNPChemicals
No. 113, Huayang Avenue, Baihe Town,
Mengjin District, Luoyang City
Henan Province, China
+86-379-67877555 sales@unpchemicals.com
www.unpchemicals.com

MSAIL® 300LB as a liquid organic molybdenum friction modifier containing sulfur and phosphorus, it can greatly reduce the friction coefficient of oil products, and has multiple functions such as extreme pressure, anti-wear and anti-oxidation. It is widely used in internal-combustion engine oil, various industrial lubricants, pure oil metalworking fluid, grease, etc.

CHEMICAL COMPOSITION

Molybdenum dithiophosphate CAS No.: 68958-92-9

TYPICAL PROPERTIES

Test Item	Typical Data	Method
Appearance	Dark green to dark blue liquid	Visual inspection
Density at 20℃, g/cm^3	1.07	GB/T 1884
Viscosity at 40℃, mm^2/s	70.0	GB/T 265
Molybdenum content, %	8.0	NB/SH/T 0824
Sulphur content, %	12.0	SH/T 0303
Phosphorus content, %	6.0	SH/T 0296

Note: The above analytical data are not specifications

PERFORMANCE CHARACTERISTICS

- Less odor, better oil solubility
- Excellent friction-reducing and anti-wear performance, excellent synergistic performance

APPLICATION

- Engine oils
- Industrial gear oils
- Lubricating greases
- Specialty lubricants

USAGE METHOD

- Added to the formulation directly and compatibility needs to be tested before adding
- Recommended treat level: 0.2-2.0%

RELATIVE PRODUCTS

- RC 3580, MOLYVAN L

PACKAGING AND STORAGE

Packaging	50kg plastic drum or 200kg steel drum (Net weight)
Storage conditions	Store in a cool, dry, well-ventilated warehouse

HANDLING INFORMATION

Avoid contact with skin, eyes and clothing. Operate in accordance with good industrial health and safety practices. Please refer to material safety data sheet (MSDS) for additional handling information on *MSAIL® 300LB*.

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