UNPCHEMICALS

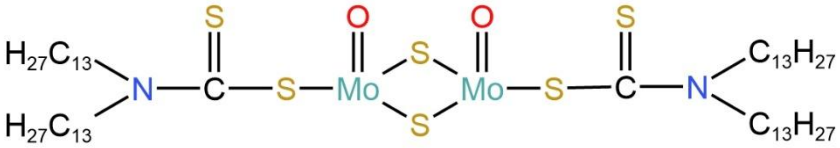
FRICTION MODIFIER

MSAIL® ORGANIC MOLYBDENUM SERIES

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MSAIL® 525B as a non-phosphorus long chain dialkyl dithiocarbamate molybdenum friction modifier, can greatly reduce the friction coefficient of oil products, and has many other functions such as anti-wear and anti-oxidation. It is widely used in internal-combustion engine oil, various industrial lubricating oils, pure oil metalworking fluid, grease, etc.

CHEMICAL COMPOSITION



Molybdenum alkylthiocarbamate CAS No.: 71342-89-7

TYPICAL PROPERTIES

Test Item	Typical Data	Method
Appearance	Brown liquid	Visual inspection
Density at 20℃, g/cm^3	1.02	GB/T 1884
Viscosity at 100℃, mm^2/s	38.0	GB/T 265
Flash point open cup, ℃	143.0	GB/T 3536
Molybdenum content, %	10.0	NB/SH/T 0824
Sulfur content, %	10.7	SH/T 0303

Note: The above analytical data are not specifications.

PERFORMANCE CHARACTERISTICS

- High molybdenum content, no phosphorus content
- High hydrolysis stability, high thermal stability
- Less odor, good oil solubility
- Excellent friction-reducing performance, anti-wear, anti-oxidation performance
- Excellent synergistic performance

APPLICATION

- Internal-combustion engine oil
- Various industrial lubricating oils
- Pure oil type metalworking fluids
- Lubricating grease

USAGE METHOD

- Added to the formulation directly and compatibility needs to be tested before adding
- Recommended treat level: 0.2-3.0%

RELATIVE PRODUCTS

- MOLYVAN 3000

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® 525B*.

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