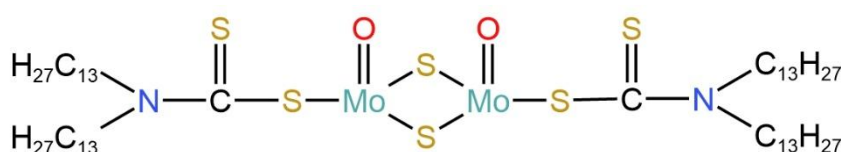


**MSAIL® 525B** as a non-phosphorus long chain dialkyl dithiocarbamate molybdenum friction modifier, can greatly reduce the friction coefficient of oil products, and has many other functions such as anti-wear and anti-oxidation. It is widely used in internal-combustion engine oil, various industrial 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 <sup>3</sup>     | 1.02         | GB/T1884-2000     |
| Viscosity at 100℃, mm <sup>2</sup> /s | 38.0         | GB/T 265-1988     |
| Flash point open cup, °C              | 143.0        | GB/T 3536-2008    |
| Molybdenum content, %                 | 10.0         | NB/SH/T 0824-2010 |
| Sulfur content, %                     | 10.7         | NB/SH/T 0824-2010 |

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**

|                           |  |
|---------------------------|--|
| <b>Packaging</b>          | 50kg plastic drum or 200kg steel drum (Net weight) |
| <b>Storage conditions</b> | 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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