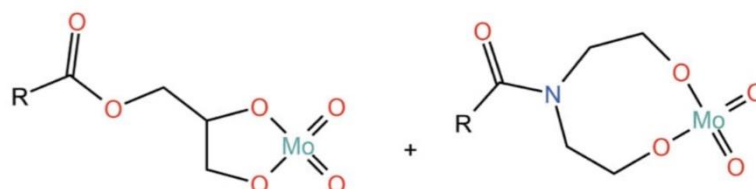


**MSAIL<sup>®</sup> 8550** belongs to the organomolybdenum complex (S/P free). As an oil soluble liquid organic molybdenum friction modifier, it can significantly reduce the friction coefficient of crankcase oil and engine oil. It can effectively control the oxidative degradation of lubricating oil. Cooperate with sulfur containing additives, it can greatly improve the friction-reducing and anti-wear properties. Synergize with aromatic amine antioxidants, it can achieve excellent antioxidant effect. This product does not contain sulfur and phosphorus elements, and has the advantages of excellent performance, energy conservation and environmental protection.

### CHEMICAL COMPOSITION



Organomolybdenum complex (S/P free)

CAS No.: 445409-27-8

### TYPICAL PROPERTIES

Test Item	Typical Data	Method
Appearance	Brown viscous liquid	-
Density at 20°C, g/cm <sup>3</sup>	1.08	GB/T1884-2000
Viscosity at 100°C, mm <sup>2</sup> /s	51	GB/T 265-1988
Flash point open cup, °C	164	GB/T 3536-2008
Molybdenum content, %	7.9	NB/SH/T 0824-2010
Nitrogen content, %	2.7	NB/SH/T 0656-2017

Note: The above analytical data are not specifications.

### PERFORMANCE CHARACTERISTICS

- Does not contain sulfur and phosphorus (S/P free)
- Less odor, good oil solubility
- Excellent friction-reducing performance, anti-wear, anti-oxidation performance
- Excellent synergistic effect with antioxidants and sulfur containing additives

## APPLICATION

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

## USAGE METHOD

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

## RELATIVE PRODUCTS

- MOLYVAN 855

## PACKAGING AND STORAGE

<b>Packaging</b>	40kgs or 180kgs / Steel drum (Net weight)
<b>Storage conditions</b>	Store in a cool, dry, well-ventilated warehouse

## HEADLING 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® 8550**.

Luoyang United Pacific Petrochemical Co., Ltd. (UNPChemicals) hopes that the information provided will be helpful to you. The information provided in this document has been prepared by technicians and is true and accurate as of the date of this document. However, please note that the conditions of your use and application of our products, technical assistance and information (whether orally, in writing or through product evaluation), including any suggested formulations and recommendations, are outside our control. UNPChemicals makes no representations, warranties or warranties (whether express, implied, statutory or otherwise), or implied warranties as to the completeness, accuracy or timeliness of any information. It is therefore important that you test our products, technical assistance and information, including how they are packaged, to determine their performance, efficacy and safety. You are solely responsible for the performance, efficacy and safety of any products you produce. UNPChemicals assumes no liability and you bear all risks and liabilities for any use or handling of any material. Nothing in this document should be interpreted as suggesting the use of any product that conflicts with the patent covering any material or its use. No license is implied or granted under the claims of any patent. We will provide consistent quality products within our sales conditions.